AMERICAN LIGHTING

BRIGHT IDEAS • INNOVATIVE PRODUCTS

Bright Ideas - Innovative Products

American Lighting presents our full line of lighting solutions that include Task, General, Accent, and Architectural lighting categories. With over 2000 in stock "energy solutions" and our same-day shipping policy, we aim to deliver bright ideas and innovative products for any lighting need.

Our newest and most exciting products include:

• **LED 3-Complete**.... Three color temperatures in one, this can be your last under cabinet light - it lets you adjust for a new backsplash or aging in place

• **Fast Fit Retrofit T8 Tubes**.... A true direct replacement for fluorescent T8 tubes, no re-wiring required and they can even operate without a ballast

• **LED Ruler 2**.... Dimmable fixtures that interconnect up to 30 feet, this multi task light series delivers 250 lumens per foot with excellent diffusion

• **MVP Puck**.... The most versatile puck light ever offered by American Lighting - dimmable, linkable, with a 30° swivel and 120V power input - hardwire or plug-in

• **CR 90 Lamps**.... Energy Star compliant with 90+ CRI, American Lighting introduces a variety of A19s, PARs and BRs for general purpose lighting, PAR30s and PAR38s are suitable for wet locations

• **Hybrid 2**.... Linear lighting with the high output of tape light, but the convenience of rope light - reliable 24V and 120V versions in five colors

• **Polar 2 Neon**.... Eight vivid colors in two voltages - 24V and 120V - for uniform and continuous lines of light, newly engineered for reliability and longevity

• **LED Ground Floods**.... A brand new category with versions that deliver up to 3000 lumens (shown at right) and others with 25° optics and additional accessories to customize for specific project needs

• **LED Step & Brick Lights**.... Indoor and outdoor rated versions, all have multiple popular finishes, and some have the option for blue LED lighting for steps, stairs, and walkways

Task Lighting

General Lighting

Accent Lighting

Architectural Lighting

Power Supplies

GENERAL LIGHTING

ACCENT LIGHTING

ARCHITECTURAL

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Vibrant & Energy Efficient

Hand blown pendants create high visual impact with four finish options and 28 hand blown imported glass shade designs. Unique abstacts or swirls with primary, neutral or earth toned colors offer elegant energy efficient, low maintenance lighting choices for islands, restaurants, bars and hospitality applications.

LED Pendants ᴱᵀᴸ   p.10-15

- 120V AC, 60Hz
- 7.5W
- 3000K
- 81+ CRI
- 420 lumens
- Multiple pendant and glass options
- 6ft or 12ft cord lengths available
- Dimmable

LED PENDANT COLLECTION

LED PENDANTS _{c ETL us Intertek}

Add high impact decorative pendant light for kitchen islands, breakfast bars, dining rooms, built-in seating areas, window displays and hospitality applications that save energy. LED Pendants use 85% less electricity than incandescent styles (7.5 watts versus 50 watts) and last up to 35,000 hours.

Performance
• Choose from a variety of hand blown imported glass shades from five different shape families
• Canopy/pendant combinations include 6ft and 12ft cord lengths with four popular finishes options
• Dimmable Warm White light mimics incandescent light
• Compatible with most standard incandescent (triac) and low voltage electronic (ELV) dimmers (10-100% control)

Construction
• Steel canopies and stems with matching cord colors (clear cord with Satin Aluminum and Chrome models)
• White acrylic lens diffuses LED light
• Hand blown glass shades feature inherent variations

Installation
• Install 24-30" above dining table - more clearance may be needed for over-island applications
• Adjust overall pendant + glass height on site as needed

5.90"

0.94"

1.57"

2.36"

0.30"

1.96"
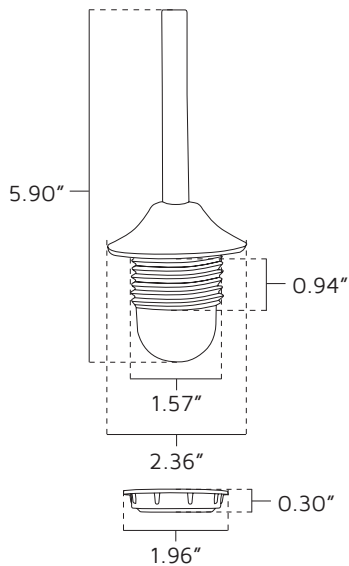
Specifications

Series	LED PEN
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	81+
Wattage	7.5W
Lumens	420Lm
Dimming	Most triac and ELV dimmers
Housing	Steel canopy and stem assembly
Lens	White acrylic module lens;
Shade	Hand blown glass
Rating	c/ETL/us Listed, dry locations
Dimensions	4-11/16"Dia. x 1"H (canopy)
Mounting	Surface mount
Rated life	35,000 hrs

Pendant Glass Stlyes - See pages 12-15 for colors
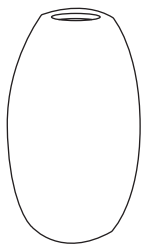
Tall Oval
7.80" H x 4.73"W
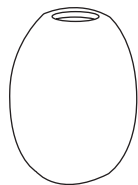
Oval
5.97" H x 4.73"W
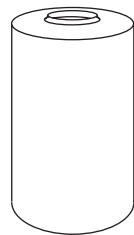
Tall Cylinder
9.10" H x 5.20"W
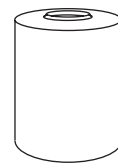
Cylinder
6.5" H x 3.54"W
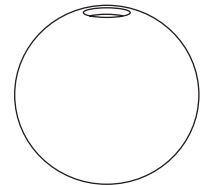
Round
5.97" H x 7.88"W

LED Pendant Modules

PEN-DB-6 (6ft cord)
PEN-DB-12 (12ft cord)
Dark Bronze Pendant
7.5W / 420Lm

PEN-AL-6 (6ft cord)
PEN-AL-12 (12ft cord)
Satin Aluminum Pendant
7.5W / 420Lm

PEN-CH-6 (6ft cord)
PEN-CH-12 (12ft cord)
Chrome Pendant
7.5W / 420Lm

PEN-WH-6 (6ft cord)
PEN-WH-12 (12ft cord)
White Pendant
7.5W / 420Lm

Tall Oval Glass

GT-S-AT

GT-S-BWY

GT-S-RY

GT-S-RYA

GT-S-TWH

GT-A-AT

GT-A-MU

GT-A-RYA

GT-A-YA

GT-A-YW

*Photos of the glass are reference for color and design
*All glass shades are hand blown and will have inherent variations

Oval Glass

GS-A-AB

GS-A-AT

GS-A-BWT

GS-A-ET

GS-A-TB

GS-A-WA

GS-A-WB

GS-S-BT

*Photos of the glass are reference for color and design
*All glass shades are hand blown and will have inherent variations

Tall Cylinder Glass

GC-A-TWH

GC-A-WA

GC-WH

Cylinder Glass

GM-A-AMS

GM-A-TWH

GM-BL

GM-WH

*Photos of the glass are reference for color and design
*All glass shades are hand blown and will have inherent variations

Round Glass

GR-AM

GR-WH

GR-S-TWH

*Photos of the glass are reference for color and design
*All glass shades are hand blown and will have inherent variations

Multi-Task Made Easy

The powerful LED Ruler 2 offers a low profile, energy efficient design that allows run lengths up to 30 feet from a single power source. Easy to install, the Ruler 2 works great for desks, display shelves, coves and task areas. The full-length aluminum housing and multiple accessory options provide performance, customization and dependable solutions for a variey of applications. Extruded acrylic lensing provides excellent diffusion with a wide beam angle for even light distribution.

LED RULER 2 ᶜ⓪ᵤₛ   p.18-19

- 24V DC
- 2.5W to 15W fixtures
- 2700K
- 140 to 874 lumens
- Available in 6", 12", 24" and 40" lengths
- Dimmable

LED RULER 2 ᶜ(UL)ᵤₛ

Performance
- Slim, low profile linkable fixtures in four different lengths offer over 250 lumens of diffuse light per foot
- Connect fixtures directly end-to-end or use jumpers of various lengths
- Dimmable LED Warm White light (2700K) with 92 CRI

Construction
- Extruded aluminum housing doubles as a heat sink
- Full-length ventilation grooves create convective air flow
- Frosted polycarbonate lens softens and diffuses light
- Seamless design keeps LED 1/2" spacing consistent, even when fixtures are linked end-to-end

Installation
- Aluminum mounting clips (included) secure fixtures to mounting surface; 3M® strips are sold separately to secure power switches and ends of jumpers
- Use R2-PC3-FADE or dimmable hardwire drivers to vary light output (5%-100% control)
- See also "Building a System" below

Specifications

Series	R2
Input voltage	24V DC
Color temperature	2700K
CRI	92+
Wattage	2.5W / 5W / 9W / 15W
Lumens	See individual product
Maximum run	135 watts
Beam angle	100°
Dimming	Dimming driver, PWM or R2-PC3-FADE
Housing	Extruded aluminum
Lens	Frosted polycarbonate
Rating (power cords)	c/UL/us Listed for dry locations
Dimensions	1-3/16"W x 7/16"H (with clips)
Switching	Via power cord or wall control
Mounting	Steel clips or 3M® adhesive strips
Linking	Via joiner (incl) or jumpers
LED type	Epistar 2835 SMD
Rated life	30,000 hrs

Building a System

Choose a power cord:
R2-PC3
R2-PC3-SW
R2-PC3-TS
R2-PC3-IS
R2-PC3-FADE

Select Ruler2 fixtures:
Add 1/8" for each joiner and 2" for the power cord

Select power supply type:
1. Plug-in: 40W, 60W or 90W
2. Hardwire: 30W, 60W, 80W or 100W; use **RCA-EX24** to connect to hardwire power supply

Choose mounting option:
Clips included with fixture
Note: 4" 3M® adhesive strips **3M-TAPE-10** recommended for securing power cord switches

R2-PC3-SW
20" power cord
with on/off switch

R2-PC3-TS
20" power cord
with on/off
touch switch

R2-PC3-IS
20" power cord
with on/off
inductive switch

R2-PC3-FADE
20" power cord
5-100% control (hold)
or 4-level control (tap)

R2-PC3
20" power cord
without switch

R2-6
5.9" / 2.5W / 140 Lm

R2-12
11.8" / 5W / 280 Lm

R2-24
23.6" / 9W / 512 Lm

R2-40
39.4" / 15W / 874 Lm

R2-JUMP.5
6" jumper wire

R2-JUMP2
24" jumper wire

R2-JUMP3
36" jumper wire

R2-JUMP10
120" jumper wire

R2-EX36
Power cord extension cable
adds 36" between power
supply and power cord/switch

R2-4Y
4-way power connector

R2-1W-X
Lighted 'X' connector
3.25" / 1W / 50 Lm

R2-L
'L' connector

PS-40-24VPI (1-40W)
PS-60-24VPI (1-60W)
PS-90-24VPI (1-90W)
Plug-in power supply with 5ft
120V AC cord and 5ft lead to
DC jack (no switch on cord)

R2-45CLIPS-10
45° mounting clips
(10 per pack)

R2-ADJCLIPS-10
Adjustable mounting clips
(10 per pack)

3M-TAPE-10
3M adhesive tape
(10 per pack)

LED-DR30-24 (1-30W)
Class 2 hardwire power supply,
non-dimming except via PWM

LED-DR60-24 (1-60W)
LED-DR100-24 (1-100W)
LED-DR150-24 (1-100W)
Class 2 hardwire power supply,
non-dimming except via PWM

ELV-30-24 (18-30W)
ELV-45-24 (27-45W)
Class 2 dimmable hardwire
power supply

ELV-60J-24 (36-60W)
ELV-80J-24 (48-80W)
Class 2 dimming hardwire
driver w/junction box,
60% minimum load;
Dimming consumes ±3W internally

RCA-EX24
24" Hardwire adaptor
cable, 2C 22AWG
wire (7A)

An Assortment of Options

The assortment of undercabinet fixtures includes LED, T2 fluorescent and xenon. LED fixtures are convenient and efficient – no lamps to replace and up to 85% energy savings over conventional (xenon and halogen) fixtures. Our PRIORI T2 fixture also offers energy savings – they're 65% more efficient than xenon – and 40% longer lamp life. After a minute of warm-up time, T2 lamps reach their full brightness, which is 60% brighter than xenon.
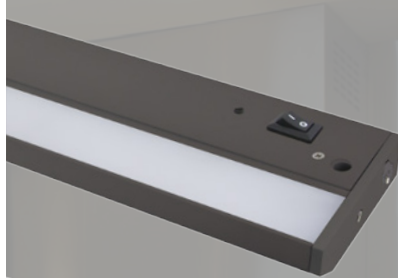
3-Complete   p.22-23
• 120V AC, 60Hz
• 6W to 16W
• Switchable 2400K - 3000K - 4000K
• 405 to 1170 lumens
• Available in 8", 16", 24" and 32" lengths
• Dimmable

LED Complete   p.24-25
• 120V AC, 60Hz
• 3W to 10.8W
• 3000K
• 200 to 650 lumens
• Available in 8", 12", 18", 24" and 32" lengths
• Dimmable

LED Contrax   p.26-27
• 120V AC, 60Hz
• 4W to 12W
• 3000K
• 210 to 850 lumens
• Available in 8", 16", 24" and 32" lengths
• Dimmable

Priori T2   p.28-29
• 120V AC, 60Hz
• 6W to 24W
• 3000K
• 228 to 912 lumens
• Available in 10", 14", 22", 28" and 32" lengths

Priori Xenon   p.30-31
• 120V AC, 60Hz
• 20W to 80W
• 2700K
• Available in 10", 14", 22" and 32" lengths
• Dimmable

LXC   p.32-33
• 120V AC, 60Hz
• 20W to 80W fixtures
• 2700K
• 84 to 336 lumens
• Available in 8", 16", 24" and 32" lengths
• Dimmable

LED 3-COMPLETE

The new 3-in-one modular dimmable LED undercabinet fixture with switchable color temperatures, a low profile housing and glare-free acylic lens.

Performance
• Dimmable with most incandescent (triac) and low voltage electronic dimmers with 25-100% light output (minimum loads will apply)
• Micro switch on housing can be set to 2400K, 3000K or 4000K CCT (correlated color temperature)
• High CRI (90+) for all CCTs
• Low profile housing hides easily – less than 1" high
• SMD 5630 LEDs offer long 35,000 hours rated life

Construction
• Powder coated aluminum housing is sturdy and durable
• Full length acrylic lens diffuses light evenly over the work area
• Multiple connection points hold PC board firmly against heat sink, optimizing heat dissipation and extending LED life

Installation
• Mount to underside of shelf or cabinet, at the leading edge, for best performance
• Modular design with hardwire junction boxes, power cords and linking cables sold separately offers maximum flexibility and optimal fixture placement
• Quick access door speeds hardwire installations by eliminating the need to open the wiring compartment

Specifications

Series	3LC
Input voltage	120V AC, 60Hz
Color temperature	2400K, 3000K or 4000K
CRI	90+
Wattage	6W / 10W / 14W / 16W
Lumens	See individual product
Maximum run	400 watts
Beam angle	120°
Dimming	ELV dimmers
Housing	Extruded aluminum
Lens	Full length extruded acrylic
Rating	c/ETL/us Listed, dry locations
Dimensions	3-5/8"W x 15/16"H x Length
Power input	Hardwire, modular or plug-in
Mounting	Through-housing (screws included)
Linking	Via inline connector or jumpers
LED type	5630 SMD
Rated life	35,000 hrs

Building a System

Determine Layout:
Determine the quantities and lengths of fixtures needed.
Determine power input:
1. Hardwire via knockouts
2. Modular with junction box
3. Plug-in

Select Power Input Accessories:
1. Hardwire via knockouts: no additional accessories needed
2. Modular with junction box: use ALC-BOX with 12" jumper
3. Plug-in: use ALC-PC6, one per fixture or one for first fixture and link subsequent

Select Linking Accessories:
1. Direct end-to-end: no additional accessories needed
2. Linking cables: Choose 6" or 12" jumpers (ALC-EX cables)

LED 3-Complete
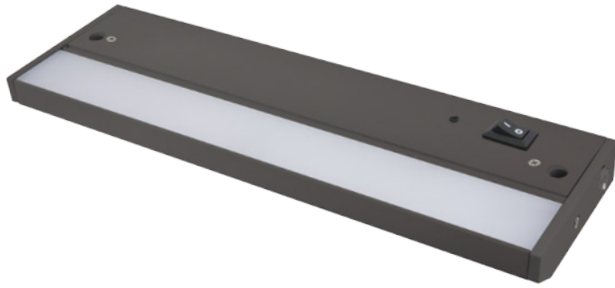
LED 3-Complete - Dark Bronze

3LC-8-DB
8" / 6W / 405Lm

3LC-16-DB
16" / 10W / 765Lm

3LC-24-DB
24" / 14W / 900Lm

3LC-32-DB
32" / 16W / 1170Lm

LED 3-Complete - White

3LC-8-WH
8" / 6W / 450Lm

3LC-16-WH
16" / 10W / 850Lm

3LC-24-WH
24" / 14W / 1000Lm

3LC-32-WH
32" / 16W / 1300Lm

LED 3-Complete

ALC-BOX-WH (White)
ALC-BOX-DB (Dark Bronze)
Hardwire junction box
6-3/8"L x 3-5/8"W x 1"H
power connection ports
On/Off rocker switch
c/ETL/us Listed, dry

ALC-PC6-WH (White)
ALC-PC6-BK (Black)
6ft 120V AC power cord
3-prong grounded plug
and power connector

ALC-CON-WH (White)
ALC-CON-BK (Black)
In-line Connector

ALC-EX6-BK 6"
ALC-EX12-BK 12"
Jumper (linking) cables
for LED Complete with
male/female connectors

ALC-EX6-WH 6"
ALC-EX12-WH 12"
Jumper (linking) cables
for LED Complete with
male/female connectors

LED COMPLETE

A modular LED undercabinet fixture with dimmable 5630 LEDs, a low profile housing and glare-free lens design.

Performance
• Dimmable with most incandescent (triac) and low voltage electronic dimmers (check minimum load requirements)
• Cool operation and high light output – LED Complete fixtures are twice as bright as xenon undercabinet lights
• Low profile housing hides easily – less than 1" high
• SMD 5630 LEDs offer a CRI 82+ and 35,000 hours rated life

Construction
• Powder coated aluminum housing is sturdy and durable
• Full length acrylic lens diffuses light evenly over the work area
• Multiple connection points hold PC board firmly against heat sink, optimizing heat dissipation and extending LED life

Installation
• Mount to underside of shelf or cabinet, at the leading edge, for best performance
• Modular design with hardwire junction boxes, power cords and linking cables sold separately offers maximum flexibility and optimal fixture placement
• Quick access door speeds hardwire installations by eliminating the need to open the wiring compartment

Specifications

Series	ALC
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	82+
Wattage	3W / 4W / 6W / 8W / 10.8W
Lumens	See individual product
Maximum run	400 watts
Beam angle	120°
Dimming	Triac and low voltage electronic
Housing	Extruded aluminum
Lens	Full length extruded acrylic
Rating	cETLus Listed, dry locations
Dimensions	3-5/8"W x 15/16"H x Length
Power input	Hardwire, modular or plug-in
Mounting	Through-housing, screws included
Linking	Via inline connnector or jumpers
LED type	5630 SMD
Rated life	35,000 hrs

Building a System

Determine Layout:
Determine the quantities and lengths of fixtures needed. Determine power input:
1. Hardwire via knockouts
2. Modular with junction box
3. Plug-in

Select Power Input Accessories:
1. Hardwire via knockouts: no additional accessories needed
2. Modular with junction box: use ALC-BOX with 12" jumper
3. Plug-in: use ALC-PC6, one per fixture or one for first fixture and link subsequent

Select Linking Accessories:
1. Direct end-to-end: no additional accessories needed
2. Linking cables: Choose 6" or 12" jumpers (ALC-EX cables)

LED Complete

LED Complete - Dark Bronze

ALC-8-DB
8-3/4" / 3W / 200Lm

ALC-12-DB
12-1/4" / 4W / 250Lm

ALC-18-DB
18-1/4" / 6W / 375Lm

ALC-24-DB
24-1/4" / 8W / 500Lm

ALC-32-DB
32-3/4" / 10.8W / 650Lm

LED Complete - White

ALC-8-WH
8-3/8" / 3W / 200Lm

ALC-18-WH
18-1/4" / 6W / 375Lm

ALC-24-WH
24-1/4" / 8W / 500Lm

LED Complete Accessories

ALC-BOX-WH (White)
ALC-BOX-DB (Dark Bronze)
Hardwire junction box
6-3/8"L x 3-5/8"W x 1"H
power connection ports
On/Off rocker switch
c/ETL/us Listed, dry

ALC-PC6-WH (White)
ALC-PC6-BK (Black)
6ft 120V AC power cord
3-prong grounded plug
and power connector

ALC-CON-WH (White)
ALC-CON-BK (Black)
In-line Connector

ALC-EX6-BK 6"
ALC-EX12-BK 12"
Jumper (linking) cables
for LED Complete with
male/female connectors

ALC-EX6-WH 6"
ALC-EX12-WH 12"
Jumper (linking) cables
for LED Complete with
male/female connectors

LED CONTRAX

Economical, bright and practical LED undercabinet with curved acrylic lens design and tool-free access to wiring compartment.

Performance
• Dimmable with most incandescent, CFL/LED and low voltage electronic dimmers (check minimum load requirements)
• Cool operation and high light output – LED Contrax fixtures deliver up 850 lumens per fixture
• Low profile housing hides easily – less than 1" high
• 3528 LEDs offer a CRI 82+ and 35,000 hours rated life

Construction
• Steel housing with powder coat finish is sturdy and durable
• Full length acrylic lens diffuses light evenly over the work area
• Multiple connection points hold PC board firmly against heat sink, optimizing heat dissipation and extending LED life

Installation
• Mount to underside of shelf or cabinet, at the leading edge, for best performance
• Modular design with power cords and linking cables (sold separately) offers maximum flexibility and optimal fixture placement
• Quick access door speeds hardwire installations
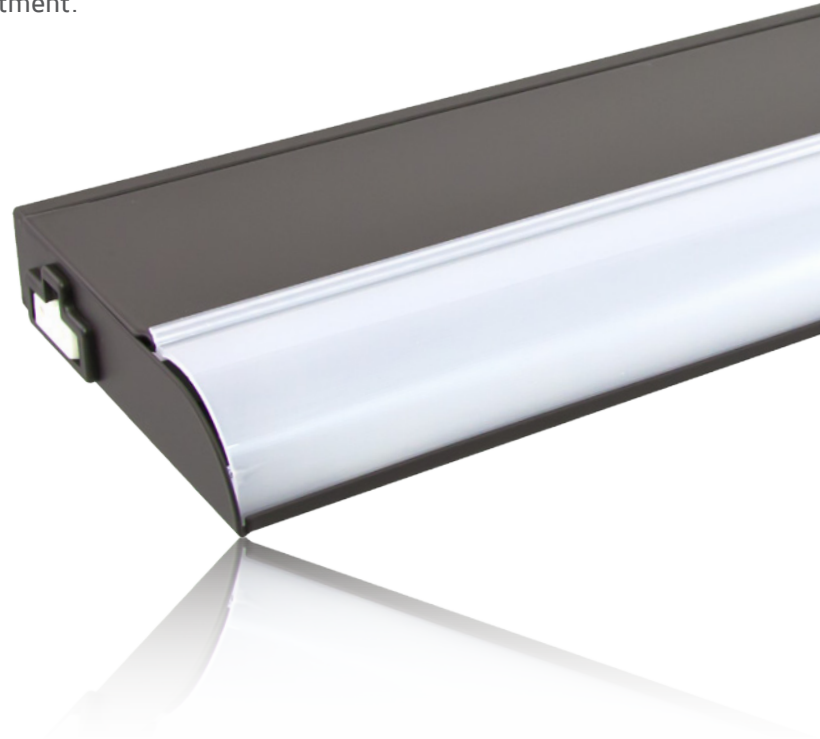
Specifications

Series	LUC
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	82+
Wattage	4W / 6W / 9W / 12W
Lumens	See individual product
Maximum run	50 fixtures
Beam angle	120°
Dimming	Triac and low voltage electronic
Housing	Cold rolled steel
Lens	Acrylic
Rating	cETLus Listed, dry locations
Dimensions	3-5/8"W x 7/8"H x Length
Power input	Hardwire or plug-in
Mounting	Via keyhole slots in housing
Linking	Via jumpers
LED type	2835 SMD LED
Rated life	35,000 hrs

Building a System

Determine Layout:
Determine the quantities and lengths of fixtures needed.
Determine power input:
1. Hardwire via knockouts
2. Plug-in

Select Power Input Accessories:
1. Hardwire via knockouts:
no additional accessories needed
2. Plug-in: use LUC-PC6, one per fixture or one for first fixture and link subsequent

Select Linking Accessories:
1. Linking with 3" spacing:
no additional accessories needed
2. Linking with other spacing:
Choose 6", 12" or 24" jumpers
(LUC-EX cables)

LED Contrax Fixtures

LED Contrax - Dark Bronze

LUC-8-DB
8-1/2" / 3W / 175Lm

LUC-16-DB
16-1/2" / 6W / 350Lm

LUC-24-DB
24-1/2" / 9W / 540Lm

LUC-32-DB
32-1/2" / 12W / 720Lm

LED Contrax - White

LUC-8-WH
8-1/2" / 3W / 210Lm

LUC-16-WH
16-1/2" / 6W / 420Lm

LUC-24-WH
24-1/2" / 9W / 650Lm

LUC-32-WH
32-1/2" / 12W / 850Lm

Each fixture includes (1) 3/8" clamp connector, (1) 3" linking cable and (2) mounting screws

LED Contrax Accessories

LUC-PC6-WH (White)
LUC-PC6-BK (Black)

6ft power cord
for LED Contrax
120V AC grounded plug
and power connector
cETLus Listed, dry

LUC-EX-3-BK 3"
LUC-EX-6-BK 6"
LUC-EX-12-BK 12"
LUC-EX-24-BK 24"

Jumper (linking) cables
for LED Contrax
cETLus Listed, dry

LUC-EX-3-WH 3"
LUC-EX-6-WH 6"
LUC-EX-12-WH 12"
LUC-EX-24-WH 24"

Jumper (linking) cables
for LED Contrax
cETLus Listed, dry

PRIORI T2 cULus

High light output and energy savings in a low profile fixture with a modular design.

Performance
• Warm White light with 90 CRI mimics the look of incandescent but without the heat
• Modular design allows flexibility and easy installation
• Low profile housing hides easily – less than 1" high
• Long life fluorescent T2 lamps are rated for 10,000 hours

Construction
• Steel housing with powder coat finish
• Prismatic tempered glass lens diffuses light
• Magnetic closure secures cover without clips or tabs that can bend or break

Installation
• Mount to underside of shelf or cabinet, at the leading edge, for best performance
• Modular design with hardwire junction boxes, power cords and linking cables sold separately offers maximum flexibility and optimal fixture placement
• Quick release clip provides tool-free access to wiring compartment saving time for hardwire installations
• Captive screw design speeds installation

Specifications

Series	043T
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	90+
Wattage	6W / 8W / 13W / 18W / 24W
Lumens	See individual product
Maximum run	600 watts
Beam angle	120°
Dimming	Non-dimming
Housing	Cold rolled steel
Lens	Prismatic tempered glass
Rating	c/UL/us Listed, dry locations
Dimensions	3-3/4"W x 15/16"H x Length
Power input	Hardwire, modular or plug-in
Mounting	Captive screws
Linking	Via 043A linking cables
Lamp type	T2 with axial base, 3000K
Rated life	10,000 hrs

Building a System

Determine Layout:
Determine the quantities and lengths of fixtures needed.
Determine power input:
1. Hardwire via knockouts
2. Modular with junction box
3. Plug-in

Select Power Input Accessories:
1. Hardwire via knockouts: no additional accessories needed
2. Modular with junction box: use ALC-BOX with 12" jumper
3. Plug-in: use ALC-PC6, one per fixture or one for first fixture and link subsequent

Select Linking Accessories:
1. Direct end-to-end: no additional accessories needed
2. Linking cables: Choose 6", 12", 24" or 36" jumpers (043A linking cables)

Priori T2 - Dark Bronze

043T-10-DB
10-1/4" / 6W / 228Lm

043T-14-DB
14-1/2" / 8W / 304Lm

043T-22-DB
22-1/2" / 13W / 494Lm

043T-28-DB
28-1/2" / 18W / 684Lm

043T-32-DB
32-1/2" / 24W / 912Lm

Priori T2 - Brushed Steel

043T-10-BS
10-1/4" / 6W / 228Lm

043T-14-BS
14-1/2" / 8W / 304Lm

043T-22-BS
22-1/2" / 13W / 494Lm

043T-28-BS
28-1/2" / 18W / 684Lm

043T-32-BS
32-1/2" / 24W / 912Lm

Priori T2 - White

043T-10-WH
10-1/4" / 6W / 228Lm

043T-14-WH
14-1/2" / 8W / 304Lm

043T-22-WH
22-1/2" / 13W / 494Lm

043T-28-WH
28-1/2" / 18W / 684Lm

043T-32-WH
32-1/2" / 24W / 912Lm

Each fixture includes (1) 3/8" clamp connector, (1) 3" linking cable and (2) mounting screws

Priori T2 Accessories

043J-WH (White)
043J-BR (Bronze)
Hardwire junction box
for PRIORI fixtures
7-3/8"L x 2-1/8"W x 1"H
Includes 12" extension and
two 3/8" cable connectors
c/UL/us Listed, dry

043A-PC6-WH (White)
043A-PC6-BK (Black)
6ft power cord
for PRIORI fixtures
120V AC grounded plug, 3-wire
grounded molex connector
c/ETL/us Listed, dry

043T-F06/30 6 watt / 3000K / 90CRI
043T-F08/30 8 watt / 3000K / 90CRI
043T-F13/30 13 watt / 3000K / 90CRI
043T-F18/30 18 watt / 3000K / 90CRI
043T-F24/30 24 watt / 3000K / 90CRI
120V T2 fluorescent replacement lamp
10,000hr rated life

043A-6-EX-BK 6"
043A-12-EX-BK 12"
043A-24-EX-BK 24"
043A-36-EX-BK 36"
Jumper (linking) Cables
for PRIORI fixtures
c/UL/us Listed, dry

043A-6-EX-WH 6"
043A-12-EX-WH 12"
043A-24-EX-WH 24"
043A-36-EX-WH 36"
Jumper (linking) cables
for PRIORI fixtures
c/UL/us Listed, dry

PRIORI XENON

Economical and practical 120V xenon undercabinet with full length glass lens, high/low switch and full range dimming.

Performance

• Dimmable with standard incandescent dimmers
• Modular design allows flexibility and easy installation
• Low profile housing hides easily – less than 1" high
• Xenon lamps last three times longer than halogen

Construction

• Steel housing with powder coat finish (White and Dark Bronze) or plated finish (Brushed Steel)
• Prismatic tempered glass lens diffuses light
• Magnetic closure secures cover without clips or tabs that can bend or break

Installation

• Mount to underside of shelf or cabinet, at the leading edge, for best performance
• Modular design with hardwire junction boxes, power cords and linking cables sold separately offers maximum flexibility and optimal fixture placement
• Quick release clip provides tool-free access to wiring compartment saving time for hardwire installations
• Captive screw design speeds installation

Specifications

Series	043X
Input voltage	120V AC, 60Hz
Color temperature	2700K
CRI	99+
Wattage	20W / 40W / 60W / 80W
Lumens	See individual product
Maximum run	600 watts
Beam angle	120°
Dimming	Standard incandescent
Housing	Cold rolled steel
Lens	Prismatic tempered glass
Rating	c/UL/us Listed, dry locations
Dimensions	3-3/4"W x 15/16"H x Length
Power input	Hardwire, modular or plug-in
Mounting	Captive screws
Linking	Via 043A linking cables
Lamp type	G8 bi-pin base, 20 watt, 2800K
Rated life	8,000 hrs

Building a System

Determine Layout:
Determine the quantities and lengths of fixtures needed. Determine power input:
1. Hardwire via knockouts
2. Modular with junction box
3. Plug-in

Select Power Input Accessories:
1. Hardwire via knockouts: no additional accessories needed
2. Modular with junction box: use ALC-BOX with 12" jumper
3. Plug-in: use ALC-PC6, one per fixture or one for first fixture and link subsequent

Select Linking Accessories:
1. Direct end-to-end: no additional accessories needed
2. Linking cables: Choose 6", 12", 24" or 36" jumpers (043A linking cables)

Priori Xenon

Priori Xenon - Dark Bronze

043X-1-DB
9-13/16" / 20W / 75Lm

043X-2-DB
14" / 40W / 155Lm

043X-3-DB
22" / 60W / 235Lm

043X-4-DB
32-1/8" / 80W / 315Lm

Priori Xenon - Brushed Steel

043X-1-BS
9-13/16" / 20W / 75Lm

043X-2-BS
14" / 40W / 155Lm

043X-3-BS
22" / 60W / 235Lm

043X-4-BS
32-1/8" / 80W / 315Lm

Priori Xenon - White

043X-1-WH
9-13/16" / 20W / 82Lm

043X-2-WH
14" / 40W / 170Lm

043X-3-WH
22" / 60W / 258Lm

043X-4-WH
32-1/8" / 80W / 346Lm

Priori Xenon Accessories

043J-WH (White)
043J-BR (Bronze)
Hardwire junction box
for PRIORI fixtures
7-3/8"L x 2-1/8"W x 1"H
Includes 12" extension and
two 3/8" cable connectors
c/UL/us Listed, dry

043A-PC6-WH (White)
043A-PC6-BK (Bronze)
6ft power cord
for PRIORI fixtures
120V AC Grounded plug, 3-wire
grounded power connector
c/ETL/us Listed, dry

043A-6-EX-WH 6"
043A-12-EX-WH 12"
043A-24-EX-WH 24"
043A-36-EX-WH 36"
Jumper (linking) cables
for PRIORI fixtures
c/UL/us Listed, dry

043A-6-EX-WH 6"
043A-12-EX-WH 12"
043A-24-EX-WH 24"
043A-36-EX-WH 36"
Jumper (linking) cables
for PRIORI fixtures
c/UL/us Listed, dry

043X-20BP
120V xenon replacement lamp
20 watt bi-pin G8 / 8,000hr rated life
1-3/4" M.O.L.

120V XENON c(UL)us

Our most economical undercabinet light - the original 120V Xenon Undercab with high/low switch and full range dimming.

Performance
• Dimmable with standard incandescent dimmers
• Modular design and 1/2" knockouts allows flexibility and easy installation
• Xenon lamps last three times longer than halogen

Construction
• Steel housing with powder coat finish (White and Dark Bronze) and 1/2" knockouts every 4" along the back and top and one at each end for feed-through wiring
• Prismatic tempered glass lens diffuses light

Installation
• Mount to underside of shelf or cabinet, at the leading edge, for best performance
• Fixture is intended for hardwire installation
• Captive screw design speeds installation

Specifications

Series	LXC
Input voltage	120V AC, 60Hz
Color temperature	2700K
CRI	99+
Wattage	20W / 40W / 60W / 80W
Lumens	See individual product
Maximum run	N/A
Beam angle	120°
Dimming	Standard incandescent
Housing	Cold rolled steel
Lens	Prismatic tempered glass
Rating	c/UL/us Listed, dry locations
Dimensions	4-3/4"W x 1-7/16"H x Length
Power input	Hardwire
Mounting	Captive screws
Linking	N/A
Lamp type	G8 bi-pin base, 20 watt, 2800K
Rated life	8,000 hrs

Building a System

Determine Layout:
Determine the quantities and lengths of fixtures needed. Provide power at each location or plan for feed-through power

Select Power Input Accessories:
No power input accessories available.

Select Linking Accessories:
No linking accessories available.

120V Xenon - Dark Bronze

LXC-1H-DB
8-1/4" / 20W / 84Lm

LXC-2H-DB
16-1/2" / 40W / 168Lm

LXC-3H-DB
24-1/2" / 60W / 252Lm

LXC-4H-DB
32-1/2" / 80W / 336Lm

120V Xenon - White

LXC-1H-WH
8-1/4" / 20W / 84Lm

LXC-2H-WH
16-1/2" / 40W / 168Lm

LXC-3H-WH
24-1/2" / 60W / 252Lm

LXC-4H-WH
32-1/2" / 80W / 336Lm

120V Xenon Accessories

043X-20BP
120V xenon replacement lamp
20 watt bi-pin G8 / 8,000hr rated life
1-3/4" M.O.L.

Bright & Versatile

With small cutting increments and super bright LEDs, high output FreeForm and FlexForm provide excellent lighting for coves, over cabinets, under cabinets, signs, retail spaces, display cases and edge lighting. A multitude of accessories makes FreeForm and FlexForm a practical solution for a variety of lighting needs.

FreeForm 3528 24V   p.36-37

- 24V DC operation
- 0.85W/ft and 1.3W/ft
- 2400K and 5000K
- 40Lm/ft - 90Lm/ft
- Available in 32.8ft and 98.4ft reels
- Dimmable

FreeForm 5050 24V   p.38-39

- 24V DC operation
- 2.5W/ft and 3.6W/ft
- 2400K and 5000K
- 115Lm/ft - 255Lm/ft
- Available in 32.8ft and 98.4ft reels
- Dimmable

FlexForm 12V   p.40-41

- 12V DC operation
- 2.2W/ft and 3.7W/ft
- 3000K and 5000K
- 74Lm/ft - 194Lm/ft
- Available in 16.4ft kits and 98.4ft reels
- Dimmable

FlexForm 24V   p.42-43

- 24V DC operation
- 2.2W/ft and 3.7W/ft
- 2700K
- 85Lm/ft - 170Lm/ft
- Available in 16.4ft kits
- Dimmable

FREEFORM 3528 24V ᶜ(UL)ᵤₛ
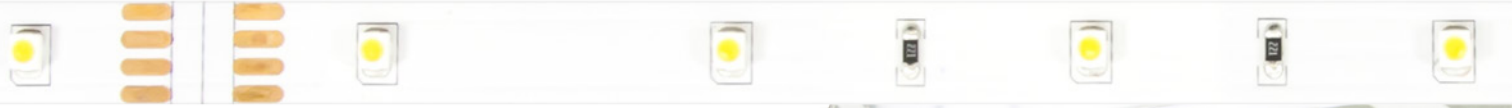
Flexible, unjacketed FreeForm Tape Light with 3528 LEDs, two color temperatures and two LED spacings combines economy with versatility.

Performance
- 3528 SMD LEDs are spaced every 1.3" for -30U and 0.66" for -60U
- Available in 32.8ft reels and 98.4ft reels, in 2400K (Ultra Warm White) and 5000K (Bright White) with 83+ CRI
- Single chip 3528 SMDs are an economical, standard grade LED with 40 - 90 lumens of light per foot of tape
- Compatible with dimming and non-dimming drivers depending upon the application (see Installation and Building a System below)

Construction
- Flexible copper with 3M® adhesive strip for secure hold
- Cut marks at each 6.56" (30U) or 3.94" (60U) indicate series parallel intervals
- Plastic reels provide convenient storage (keep reel in anti-static sleeve for LED longevity)

Installation
- For task lighting, locate FreeForm so that light rail or cabinet frame allows light to reach to edge of counter
- PWM dimmer must have 24V DC input (not line voltage)
- ELV dimming drivers are compatible with most triac, ELV and ELM dimmers with 10-100% light control
- Select dimming driver based on total load:
  ELV-30-24 for 18-27W connected load
  ELV-45-24 for 27-42W connected load
  ELV-60J-24 for 36-57W connected load
  ELV-80J-24 for 48-72W connected load
- Multiple extrusions are available for use in surface mount and recessed applications (see pages 44-49)

Specifications

Series	TL-24V-30U / TL-24V-60U
Input voltage	24V DC
Color temperature	2400K* and 5000K*
CRI	83+
Wattage	0.85W per ft / 1.3W per ft
Lumens	See individual product
Maximum run	32.8ft (30U) / 16.4ft (60U)
Beam angle	120°
Dimming	AL-PWM-6A, ELV drivers
Material	Copper strip, 3M® adhesive tape
Cuttability	30U=6.56"; 60U=3.94"
Rating	c/UL/us (32.8ft reels only)
Dimensions	3/8"W x 3/32"H x reel length
Switching	Hardwire or plug-in
Mounting	Attached 3M® tape
LED type	3528 SMD LEDs
Rated life	50,000 hrs

*See color examples on page 38

Building a System

Determine Length/Type:
Based on length/type, determine total wattage and type of driver:
1. Hardwire
2. Plug-in

Select Power Input Accessories:
1a. Dimming hardwire: Use LED-DR series with AL-PWM-6A; or ELV dimming driver within connected load range above
1b. Non-dimming hardwire: Use LED-DR series
2. Plug-in: Use PS series power supply (no dimming option available)

Select Linking Accessories:
Use 6", 12" or 24" jumpers or TL-SPL for connecting two sections together; start layout at inersections when using 'L' and/or 'T' connectors

FreeForm 3528 24V 32.8ft Reels $_c$(UL)$_{us}$

TL-24V-30U-WH-33
24V FreeForm - 5000K
0.85W per ft / 45Lm per ft
30 LEDs per 3.28ft

TL-24V-30U-UWW-33
24V FreeForm - 2400K
0.85W per ft / 40Lm per ft
30 LEDs per 3.28ft
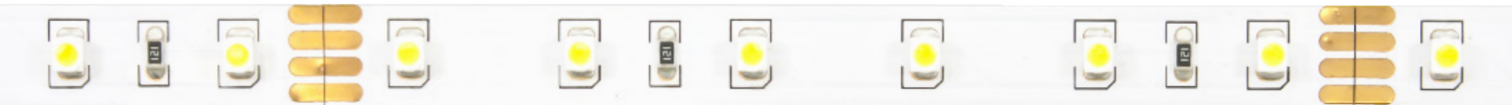
TL-24V-60U-WH-33
24V FreeForm - 5000K
1.3W per ft / 90Lm per ft
60 LEDs per 3.28ft

TL-24V-60U-UWW-33
24V FreeForm - 2400K
1.3W per ft / 75Lm per ft
60 LEDs per 3.28ft

FreeForm 3528 24V 98.4ft Bulk Reels (Non-UL)

TL-24V-30U-WH-100
24V FreeForm - 5000K
0.85W per ft / 45Lm per ft
30 LEDs per 3.28ft
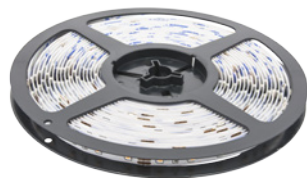
TL-24V-30U-UWW-100
24V FreeForm - 2400K
0.85W per ft / 40Lm per ft
30 LEDs per 3.28ft
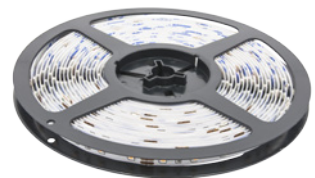
TL-24V-60U-WH-100
24V FreeForm - 5000K
1.3W per ft / 90Lm per ft
60 LEDs per 3.28ft

*NOTE: LED FreeForm is c/UL/us Listed in 32.8ft reels only - 100ft bulk reels are NOT UL Listed

FreeForm 24V Accessories

PS-40-24VPI 1-40W
PS-60-24VPI 1-60W
PS-90-24VPI 1-90W
Plug-in power supply

LED-DR30-24 1-30W
LED-DR60-24 1-60W
LED-DR100-24 1-100W
LED-DR150-24 1-150W
Hardwire power supply

AL-PWM-6A
PWM dimmer, 6A
capacity for use with
LED-DR drivers

TL-CONKIT-NP
Power connector kit
36" DC lead wire with
DC jack adaptor and 36"
hardware lead

RCA-Y
12" 'Y' extension
RCA-EX24
24" power extension

ELV-30-24 1-30W driver
ELV-45-24 1-45W driver
Class 2 dimming hardwire
driver, 60% minimum load
Dimming consumes
±3W internally

ELV-60J-24 1-60W driver
ELV-80J-24 1-80W driver
Class 2 dimming hardwire
driver w/junction box, 60%
minimum load; Dimming
consumes ±3W internally

TL-JUMP.5 6"
TL-JUMP1 12"
TL-JUMP2 24"
Jumper cables

TL-SPL
Inline splice
connectors
(bag of 5)

TL-L
"L" connectors
(bag of 3)
TL-T
"T" connectors
(bag of 2)

TL-CLIPS
Mounting clips
with screws
(bag of 16)

FREEFORM 5050 24V ⓒⓊⓁus

Flexible, unjacketed FreeForm Tape Light with high output 5050 LEDs, two color temperatures and two LED spacings combines performance with versatility.

Performance
• High output tri-chip 5050 SMD LEDs are spaced every 1.3" for -30HU and 0.66" for -60HU
• Available in 32.8ft reels and 98.4ft reels, in 2400K (Ultra Warm White) and 5000K (Bright White) with 83+ CRI
• 5050 SMDs with tri-chip construction emit up to 255 lumens per foot
• Compatible with dimming and non-dimming drivers depending upon the application

Construction
• Flexible copper with 3M® adhesive strip for secure hold
• Cut marks at each 6.56" (30HU) or 3.94" (60HU) indicated series parallel intervals
• Plastic reels provide convenient storage (keep reel in anti-static sleeve for LED longevity)

Installation
• For task lighting, locate FreeForm so that light rail or cabinet frame allows light to reach to edge of counter
• PWM dimmer must have 24V DC input (not line voltage)
• ELV dimming drivers are compatible with most triac, ELV and ELM dimmers with 10-100% light control
• Select dimming driver based on total load:
  ELV-30-24 for 18-27W connected load
  ELV-45-24 for 27-42W connected load
  ELV-60J-24 for 36-57W connected load
  ELV-80J-24 for 48-72W connected load
• Multiple extrusions are available for use in surface mount and recessed applications (see pages 44-49)

Specifications

Series	TL-24V-30HU / TL-24V-60HU
Input voltage	24V DC
Color temperature	2400K* and 5000K*
CRI	83+
Wattage	2.5W per ft / 3.6W per ft
Lumens	See individual product
Maximum run	32.8ft (30HU) / 16.4ft (60HU)
Beam angle	120°
Dimming	AL-PWM-6A, ELV drivers
Material	Copper strip, 3M® adhesive tape
Cuttability	6.56" (30HU) / 3.94" (60HU)
Rating	c/UL/us (32.8ft reels only)
Dimensions	3/8"W x 3/32"H x reel length
Switching	Hardwire or plug-in
Mounting	Attached 3M® tape
LED type	5050 SMD LEDs
Rated life	50,000 hrs

Photos are representational and actual color may vary

Bright White (5000K)

Ultra Warm White (2400K)

FreeForm 5050 24V 32.8ft Reels c(UL)us

TL-24V-30HU-UWW-33
24V FreeForm - 2400K
2.5W per ft / 115Lm per ft
30 LEDs per 3.28ft

TL-24V-60HU-WH-33
24V FreeForm - 5000K
3.6W per ft / 255Lm per ft
60 LEDs per 3.28ft

TL-24V-60HU-UWW-33
24V FreeForm - 2400K
3.6W per ft / 220Lm per ft
60 LEDs per 3.28ft

FreeForm 5050 24V 98.4ft Bulk Reels (Non-UL)

TL-24V-60HU-WH-100
24V FreeForm - 5000K
3.6W per ft / 255Lm per ft
60 LEDs per 3.28ft

*NOTE: LED FreeForm is c/UL/us Listed in 32.8ft reels only - 100ft bulk reels are NOT UL Listed

FreeForm 24V Accessories

PS-40-24VPI 1-40W
PS-60-24VPI 1-60W
PS-90-24VPI 1-90W
Plug-in power supply

LED-DR30-24 1-30W
LED-DR60-24 1-60W
LED-DR100-24 1-100W
LED-DR150-24 1-150W
Hardwire power supply

AL-PWM-6A
PWM dimmer, 6A
capacity for use with
LED-DR drivers

TL-CONKIT-NP
Power connector kit
36" DC lead wire with
DC jack adaptor and 36"
hardwire lead

RCA-Y
12" 'Y' extension
RCA-EX24
24" power extension

ELV-30-24 1-30W driver
ELV-45-24 1-45W driver
Class 2 dimming hardwire
driver, 60% minimum load
Dimming consumes
±3W internally

ELV-60J-24 1-60W driver
ELV-80J-24 1-80W driver
Class 2 dimming hardwire
driver w/junction box, 60%
minimum load; Dimming
consumes ±3W internally

TL-JUMP.5 6"
TL-JUMP1 12"
TL-JUMP2 24"
Jumper cables

TL-SPL
Inline splice
connectors
(bag of 5)

TL-L
"L" connectors
(bag of 3)
TL-T
"T" connectors
(bag of 2)

TL-CLIPS
Mounting clips
with screws
(bag of 16)

FLEXFORM 12V

Jacketed FlexForm Tape Light with high output 5050 LEDs, two color temperatures and two LED spacings combines performance with versatility for indoor and outdoor use.

Performance
- High output tri-chip 5050 SMD LEDs are spaced every 1.3" for TL-30 and 0.66" for TL-60
- Available in 32.8ft kits and 98.4ft reels, in 3000K (Warm White) and 5000K (Bright White) with 84+ CRI
- 5050 SMDs with tri-chip construction emit up to 194 lumens per foot
- Compatible with dimming and non-dimming drivers depending upon the application

Construction
- Flexible copper with 3M® adhesive strip for secure hold
- Cut marks at each 3.94" (TL-30) or 1.97" (TL-60) indicate series parallel intervals
- Plastic reels provide convenient storage (keep reel in anti-static sleeve for LED longevity)

Installation
- For outdoor use, make sure all connections are sealed with silicone and shrink tube and drivers are housed in weatherproof enclosures (ELV-60J and ELV-80J may be used outdoors if mounted at least 1" above the ground)
- PWM dimmer must have 12V DC input (not line voltage)
- ELV dimming drivers are compatible with most triac, ELV and ELM dimmers with 10-100% light control
- Select dimming driver based on total load:
  ELV-30-12 for 18-27W connected load
  ELV-45-12 for 27-42W connected load
  ELV-60J-12 for 36-57W connected load
  ELV-80J-12 for 48-72W connected load
- It is not recommended to cover a jacketed product (extrusions are recommended for use with FreeForm on pages 36-39)

Specifications

Series	TL-30 / TL-60
Input voltage	12V DC
Color temperature	3000K and 5000K
CRI	84+
Wattage	2.2W per ft / 3.7W per ft
Lumens	See individual product
Maximum run	16.4ft
Beam angle	120°
Dimming	AL-PWM-6A, ELV drivers
Material	Copper strip, 3M® adhesive tape
Cuttability	3.94" (TL-30) / 1.97" (TL-60)
Rating	IP65 (connections must be sealed)
Dimensions	3/8"W x 3/32"H x reel length
Switching	Hardwire or plug-in
Mounting	Attached 3M® tape
LED type	5050 SMD LEDs
Rated life	50,000 hrs

Photos are representational and actual color may vary

Bright White (5000K)

Warm White (3000K)

FlexForm 12V 16.4ft Kits

TL-30-WH
12V FlexForm - 5000K
2.2W per ft / 97Lm per ft
30 LEDs per 3.28ft

TL-30-WW
12V FlexForm - 3000K
2.2W per ft / 74Lm per ft
30 LEDs per 3.28ft
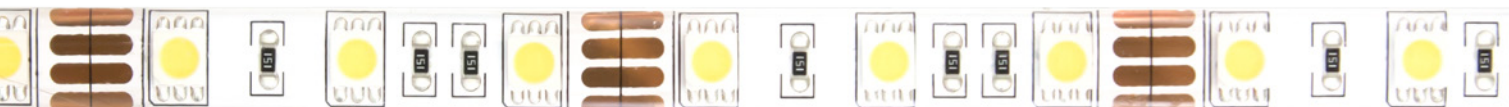
TL-60-WH
12V FlexForm - 5000K
3.7W per ft / 194Lm per ft
60 LEDs per 3.28ft

TL-60-WW
12V FlexForm - 3000K
3.7W per ft / 148Lm per ft
60 LEDs per 3.28ft

Each kit includes: (1) 16.4ft reel of LED FlexForm, (3) 36" power connectors for plug-in drivers,
(3) 36" adaptor cables for hardwire applications and (16) mounting clips

FlexForm 12V 98.4ft Bulk Reels

TL-30-WH-100
12V FlexForm - 5000K
2.2W per ft / 97Lm per ft
30 LEDs per 3.28ft

TL-60-WH-100
12V FlexForm - 5000K
3.7W per ft / 194Lm per ft
60 LEDs per 3.28ft

FlexForm 12V Accessories

PS-36-12VPI 1–36W
PS-60-12VPI 1–60W
PS-96-12VPI 1–96W
Plug-in power supply

LED-DR30-12 30W
LED-DR60-12 60W
LED-DR100-12 100W
LED-DR150-12 150W
Hardwire power supply

AL-PWM-6A
PWM dimmer, 6A
capacity for use with
LED-DR drivers

TL-CONKIT-NP
Power connector kit
36" DC lead wire with
DC jack adaptor and 36"
hardwire lead

RCA-Y
12" 'Y' extension
RCA-EX24
24" power extension

ELV-30-12 1–30W driver
ELV-45-12 1–45W driver
Class 2 dimming hardwire
driver, 60% minimum load
Dimming consumes
±3W internally

ELV-60J-12 1–60W driver
ELV-80J-12 1–80W driver
Class 2 dimming hardwire
driver w/junction box, 60%
minimum load; Dimming
consumes ±3W internally

TL-JUMP.5 6"
TL-JUMP1 12"
TL-JUMP2 24"
Jumper cables

TL-SPL
Inline splice
connectors
(bag of 5)

TL-L
"L" connectors
(bag of 3)
TL-T
"T" connectors
(bag of 2)

TL-CLIPS
Mounting clips
with screws
(bag of 16)

FLEXFORM 24V

Jacketed FlexForm Tape Light with high output 5050 LEDs, Ultra Warm White light and two LED spacings combines performance with versatility for indoor and outdoor use.

Performance
• High output tri-chip 5050 SMD LEDs are spaced every 1.3" for TL-24V-30-UWW and 0.66" for TL-24V-60-UWW
• Available in 16.4ft kits, in 2700K (Ultra Warm White) with 84+ CRI
• 5050 SMDs with tri-chip construction emit up to 170 lumens per foot
• Compatible with dimming and non-dimming drivers depending upon the application (see Installation below and Building a System on page 36)

Construction
• Flexible copper with 3M® adhesive strip for secure hold
• Cut marks at each 6.56" (30HU) or 3.94" (60HU) indicated series parallel intervals
• Plastic reels provide convenient storage (keep reel in anti-static sleeve for LED longevity)

Installation
• For outdoor use, make sure all connections are sealed with silicone and shrink tube and drivers are housed in weatherproof enclosures (ELV-60J and ELV-80J may be used outdoors if mounted at least 1" above the ground)
• PWM dimmer must have 24V DC input (not line voltage)
• ELV dimming drivers are compatible with most triac, ELV and ELM dimmers with 10-100% light control
• Select dimming driver based on total load:
  ELV-30-24 for 18-27W connected load
  ELV-45-24 for 27-42W connected load
  ELV-60J-24 for 36-57W connected load
  ELV-80J-24 for 48-72W connected load
• It is not recommended to cover a jacketed product (extrusions are recommended for use with FreeForm on pages 36-39)

Specifications

Series	TL-24V-30 / TL-24V-60
Input voltage	24V DC
Color temperature	2700K*
CRI	84+
Wattage	2.2W per ft / 3.7W per ft
Lumens	See individual product
Maximum run	32.8ft (-30) /16.4ft (-60)
Beam angle	120°
Dimming	AL-PWM-6A, ELV drivers
Material	Copper strip, 3M® adhesive tape
Cuttability	6.56" (-30) / 3.94" (-60)
Rating	IP65 (connections must be sealed)
Dimensions	3/8"W x 3/32"H x 16.4'L
Switching	Hardwire or plug-in
Mounting	Attached 3M® tape
LED type	5050 SMD LEDs
Rated life	50,000 hrs

Photo is representational and actual color may vary

Ultra Warm White (2700K)

FlexForm 24V 16.4ft Kits

TL-24V-30-UWW
TL-30 FlexForm - 2700K
2.2W per ft / 85Lm per ft
30 LEDs per 3.28ft
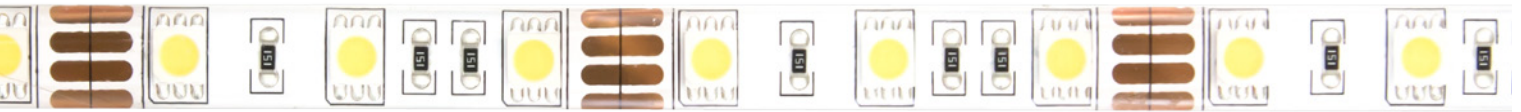
TL-24V-60-UWW
TL-60 FlexForm - 2700K
3.7W per ft / 170Lm per ft
60 LEDs per 3.28ft

Each kit includes: (1) 16.4ft reel of LED FlexForm, (3) 36" power connectors for plug-in drivers,
(3) 36" adaptor cables for hardwire applications and (16) mounting clips

FlexForm 24V Accessories

PS-40-24VPI 1-40W **PS-60-24VPI** 1-60W **PS-90-24VPI** 1-90W Plug-in power supply	**LED-DR-24** 1-25W **LED-DR60-24** 1-60W **LED-DR100-24** 1-100W **LED-DR150-24** 1-150W Hardwire power supply	**AL-PWM-6A** PWM dimmer, 6A capacity for use with LED-DR drivers	**TL-CONKIT-NP** Power connector kit 36" DC lead wire with DC jack adaptor and 36" hardwire lead	**RCA-Y** 12" 'Y' extension **RCA-EX24** 24" power extension

ELV-30-24 1-30W driver **ELV-45-24** 1-45W driver Class 2 dimming hardwire driver, 60% minimum load Dimming consumes ±3W internally	**ELV-60J-24** 1-60W driver **ELV-80J-24** 1-80W driver Class 2 dimming hardwire driver w/junction box, 60% minimum load; Dimming consumes ±3W internally	**TL-JUMP.5** 6" **TL-JUMP1** 12" **TL-JUMP2** 24" Jumper cables	**TL-SPL** Inline splice connectors (bag of 5)	**TL-L** "L" connectors (bag of 3) **TL-T** "T" connectors (bag of 2) **TL-CLIPS** Mounting clips with screws (bag of 16)

Sleek Mounting Options

Various profiles in surface mount or recessed styles with corresponding lenses have a finished, tailored presence and end caps finish the look - essentially you can make your own custom fixture. Extrusions and lenses can be cut down from their initial one meter length (39.4") to suit the project. The economy extrusions include polypropylene lenses, which soften the light somewhat and keep dust away from the sensitive electronic chips, but for any applications with exposure to UV and/or elements, polycarbonate lenses (sold separately) offer best diffusion and UV protection.

Surface Mount   p.46-47

Premium Extrusions include:
• Single Stant (shown at left)
• Triple Stant
• Turbo
• Premium 45
• Universal
• Universal Mini
Economy Extrusions include:
• Economy 45
• Economy

Recess Mount   p.48-49

Premium Extrusions include:
• Universal - can be surface mounted
• Universal Mini - can be surface mounted
• Double Flange (shown at left)
• Mini Double Flange
• Turbo
• Helm
• Paver
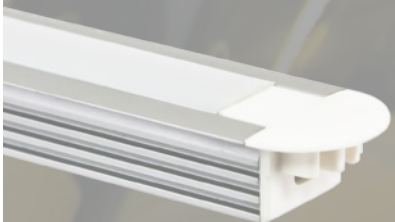
SURFACE MOUNT EXTRUSIONS

Applications include cabinets, display cases, shelving, art niches and built-ins where a finished look is needed. The Turbo extrusion can accommodate two rows of unjacketed LED FreeForm for areas like closets, workshops and food prep areas.

Performance
• Create custom lengths with a finished look for LED FreeForm (not recommended for use with jacketed tape)
• The benefits of anodized aluminum include corrosion resistance, scratch resistance and added strength
• Frosted polycarbonate lenses are sold separately
• Economy and Economy 45 each include polypropylene lens

Construction
• All extrusions are made of anodized aluminum
• Frosted polycarbonate lenses diffuse light, are flame retardant and UV/weather resistant
• Frosted polypropylene lenses resist dust and soften the light (they do not protect against UV)
• Standard assembly listed offers IP20 protection; use a neutral cure silicone sealant at each end and along each side of lens for IP65 rating (excludes Turbo)

Installation
• Mount to underside of shelf or cabinet, inside 45° corners, or for uplighting, depending on profile
• Use mounting clips (as available), construction adhesive or counter-sink screws in holes drilled on site

Single Stant

PE-SSTANT-1M
Single Stant extrusion
0.27"H x 1.18"W x 39.4"L

PE-UVSTANT-1M
Frosted polycarbonate
UV lens

PE-SSTANT-END
Single Stant polypropylene
end cap

Triple Stant

PE-3STANT-1M
Triple Stant extrusion
0.35"H x 2.34"W x 39.4"L

PE-UVSTANT-1M
Frosted polycarbonate
UV lens (three shown)

PE-3STANT-END
Triple Stant polypropylene
end cap

Turbo (Holds two rows of LED FreeForm, designed for indoor use only)

PE-TURBO-1M
Turbo extrusion
0.29"H x 1.03"W x 39.4"L

PE-QTURBO-1M
Square polycarbonate
frosted lens, 1" x 1"

PE-RTURBO-1M
Round polycarbonate
frosted lens, 1" x 1"

PE-QTURBO-END
Square polypropylene
end cap

PE-RTUBRO-END
Round polypropylene
end cap

Premium 45

PE-AA45-1M
Premium 45 extrusion
.75" x .75" x 39.4"L

PE-UVLENS-1M
Frosted polycarbonate
UV lens

PE-FOCLENS-1M
Polycarbonate
10° focusing lens

PE-AA45-END
Polypropylene end cap
PE-AA45-FEED
End cap with wire feed hole

E-CLIP-45
Premium 45
mounting clip

Economy 45

EE45-AAFR-1M
Economy 45 extrusion
.75" x .75" x 39.4"L

EE45-AAFR-1M
Economy 45 shown with
polypropylene lens (included)

EE45-END
Economy 45 polypropylene
end cap

E-CLIP-45
Economy
mounting clip

Economy

EE1-AAFR-1M
Economy extrusion
0.2"H x 0.6"W x 39.4"L

EE1-AAFR-1M
Economy extrusion shown with
polypropylene lens (included)

EE1-END
Economy polypropylene
end cap
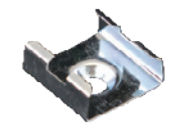
E-CLIP
Economy
mounting clip

Extrusion Accessories

3M-TAPE-10
3M® adhesive tape
(10 per pack)

RECESS MOUNT EXTRUSIONS

Applications include cabinets, stairs, handrails and display cases. The Helm extrusion is sized for tile floors and many outdoor applications, like path marking and terraces. The Paver extrusion can be installed to withstand drive-over conditions.

Performance
• Create custom lengths with a finished look for LED FreeForm (not recommended for use with jacketed tape)
• The benefits of anodized aluminum include corrosion resistance, scratch resistance and added strength
• Frosted polycarbonate lenses are sold separately
• Clear focusing lens will yield different beam angles depending upon depth of extrusion used

Construction
• All extrusions are made of anodized aluminum
• Frosted polycarbonate lenses diffuse light, are flame retardant and UV/weather resistant
• Standard assembly listed offers IP20 protection; use a neutral cure silicone sealant at each end and along each side of lens for IP65 rating

Installation
• Flange and Double Flange
• Use mounting clips (as available), construction adhesive or counter-sunk screws in holes drilled on site
• Sidewalk, driveway, parking lots and building facade installations or other installations with exposure to moisture and/or heavy loads will require special order products and a professional installer
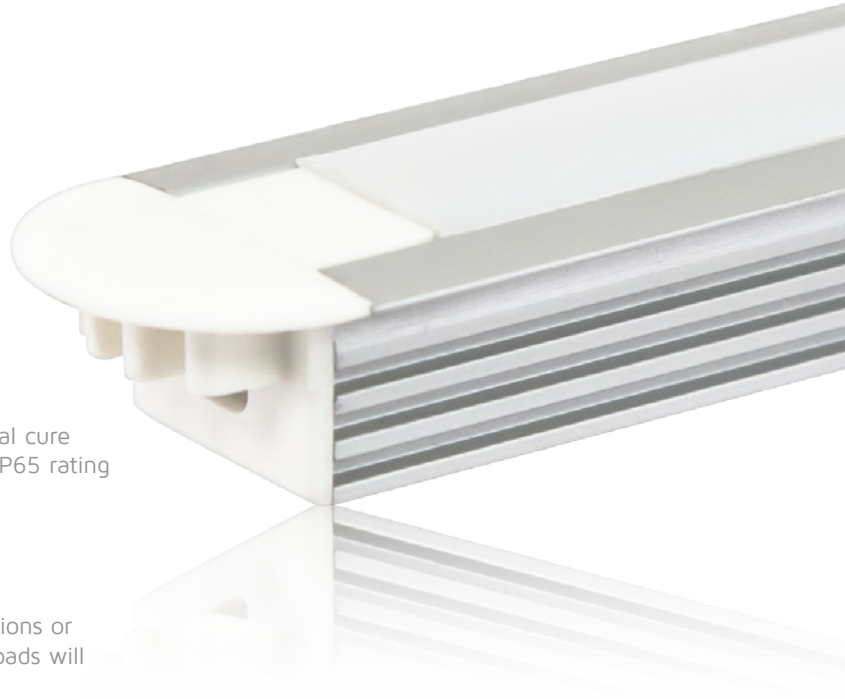
Universal - can also be used for surface mount applications

PE-AA2-1M
Universal extrusion
0.5"H x 0.63"W x 39.4"L

PE-UVLENS-1M
Frosted polycarbonate
UV lens

PE-FOCLENS-1M
Clear polycarbonate
10° focusing lens

PE-AA2-END
Polypropylene
end cap

E-CLIP
Universal
mounting clip

Universal Mini - can also be used for surface mount applications

PE-AA1-1M
Universal Mini extrusion
0.2"H x 0.6"W x 39.4"L

PE-UVLENS-1M
Frosted polycarbonate
UV lens

PE-FOCLENS-1M
Clear polycarbonate
60° focusing lens

PE-AA1-END
Polypropylene end cap
PE-AA1-FEED
End with wire feed hole

E-CLIP
Universal
mounting clip

Double Flange - for 5/8" W x 1/2" deep channels

PE-AA2DF-1M
Double Flange extrusion
0.5"H x 0.9"W x 39.4"L

PE-UVLENS-1M
Frosted polycarbonate
UV lens

PE-FOCLENS-1M
Clear polycarbonate
10° focusing lens

PE-AA2DF-END
Polypropylene end cap
PE-AA2DF-FEED
End with wire feed hole

Mini Double Flange

PE-AA1DF-1M
Mini Double Flange extrusion
0.2"H x 0.9"W x 39.4"L

PE-UVLENS-1M
Frosted polycarbonate
UV lens

PE-FOCLENS-1M
Clear polycarbonate
60° focusing lens

PE-AA1DF-END
Mini Double Flange
polypropylene end cap

Helm

PE-HELM-1M
Helm extrusion
0.4"H x 0.8"W x 39.4"L
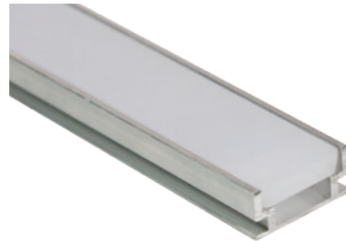
PE-UVHELM-1M
Frosted polycarbonate
UV lens

PE-HELM-END
Polycarbonate end cap
PE-HELM-FEED
End with wire feed hole

Paver

PE-PAVER-1M
Paver extrusion
1"H x 1"W x 39.4"L
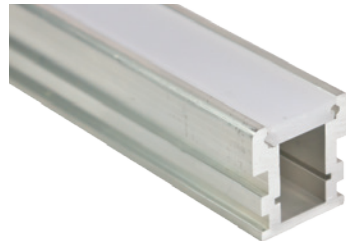
PE-PAVERLENS-1M
Frosted polycarbonate
UV lens

PE-PAVER-END
Polypropylene end cap
PE-PAVER-FEED
End with wire feed hole

Extrusion Accessories

3M-TAPE-10
3M Adhesive Tape
(10 per pack)

Point Source Lighting

Puck lights and other point source fixtures are effective tools for highlighting collectibles and cabinet interiors. Although xenon pucks are available, LED sources have clear advantages over xenon including long lamp life, no emissioon of ultra violet light rays and a big reduction in heat added to the space.
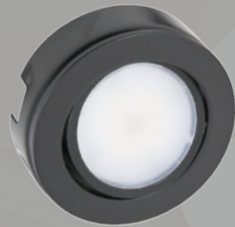
MVP p.52-53
- 120V AC, 60Hz
- 4.3W per puck
- 2700K
- 200 - 230 lumens
- Available in 3 finish options

Omni p.54-55
- 12V DC
- 3.2W per puck
- 2700K
- 140 - 165 lumens
- Available in 3 finish options

Futura p.56-57
- 12V DC
- 3W per puck
- 2700K
- 170 - 180 lumens
- Available in 3 finish options
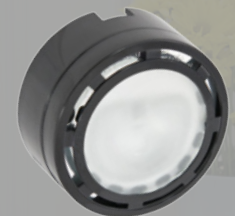
Xenon p.58-57
- 12V or 120V AC, 60Hz
- 20W per puck
- 3000K and 3200K
- 55 - 65 lumens
- Available in 2 finish options

Swivels p.62-67
- 350mA DC or 700mA DC
- 1.25W - 3.75W per puck
- 3000K and 3100K
- 60 - 185 lumens
- Available in 4 styles and 3 finish options

Bullet p.68-69
- 350mA DC
- 1.25W per puck
- 3100K
- 60 - 67 lumens
- Available in 4 finish options

MVP

c/ETL/us
Intertek

Line voltage, high performing, easy to install puck lights with a swivel feature offer over 200 lumens per puck without the need for a driver.

Performance
• Recess or surface mount design with a 30° swivel forward and backward along the axis of the power leads
• Warm White LEDs (2700K) with a 90 CRI mimic incandescent, using only 4.3 watts each versus 20
• Each puck delivers over 200 lumens – over twice as bright as xenon or halogen puck lights
• Dimmable with most CFL/LED and low voltage electronic dimmers (10-100% light control)'

Construction
• Zinc alloy light housing with aluminum heat sink
• Stamped steel surface collar with brushed nickel or powder coat finish to match swivel ring
• Spring steel clips secure housing into surface collar with a snap-fit, retaining recessed pucks securely in place
• Polycarbonate lens diffuses light

Installation
• Versatile design allows daisy chain installation
• Link up to 20 pucks - combine kits with additional bulk pucks that have both lead and tail wires
• Hardwire box can be ordered a la carte, offering two 5A connection ports for larger installations
• Surface mount or recess mount (2-3/8" cut-out)
• Plug-in installations can be controlled by inline roll switch on power cord; hardwire boxes are controlled by wall switch or dimmer

Specifications

Series	MVP
Input voltage	120V AC, 60 Hz
Color temperature	2700K
CRI	90+
Wattage	4.3W per puck
Lumens	200Lm / 230Lm
Maximum run	20 pucks
Beam angle	120°
Dimming	Yes
Housing	Zinc alloy trim with steel collar
Lens	Polycarbonate
Rating	c/ETL/us Listed, dry locations
Dimensions	2-3/4"Dia x 7/8"H
Switching	Roll-switch (kits) or ALSLBOX
Mounting	Surface or recess (2-3/8" cut-out)
Linking	Linking cables are optional
LED type	12 x 5630 SMD LEDs
Rated life	50,000 hrs

Building a System

Determine Layout and Installation:
Determine quantities, locations and type of installation
1. Hardwire
2. Plug-in

Select Power Input Accessories:
1. Hardwire: Order ALSLBOX for each power feed location
2. Plug-in: Order individual or 3-pack kits and additional pucks individually as needed to fill in quantity

Select Linking Accessories:
Direct connection of pucks with surface routing of cords achieves a 13.5" spacing. Use jumper cables for more distance between pucks. Order a 12" jumper (minimum) to reach the ALSLBOX.

MVP Pucks (bulk)

MVP-1-BK-B
MVP Puck - Black
4.3W / 200Lm

MVP-1-NK-B
MVP Puck - Nickel
4.3W / 200Lm

MVP-1-WH-B
MVP Puck - White
4.3W / 230Lm

Bulk pucks include 6" lead wire, 6" tail wire and mounting screws

MVP Kits

MVP-1-BK
Single Puck Kit - Black

MVP-1-NK
Single Puck Kit - Nickel

MVP-1-WH
Single Puck Kit - White

Single puck kits include (1) 6' power cord with roll switch, (1) puck with a 6" lead wire and mounting screws

MVP-3-BK
Three Puck Kit - Black

MVP-3-NK
Three Puck Kit - Nickel

MVP-3-WH
Three Puck Kit - White

Three puck kits include (1) 6' power cord with roll switch,
(2) pucks with 6" lead wire and 6" tail wire, (1) puck with a 6" lead wire,
(2) 12" linking cables and mounting screws

MVP Accessories

ALSLBOX-WH-B (White)
ALSLBOX (Black)
Slimline hardwire box
c/UR/us Recognized, dry locations

ALLVP-PC6-WH (White)
ALLVP-PC6 (Black)
6ft power cord
c/UL/us Listed

ALLVPEX12 12"
ALLVPEX24 24"
Black linking cables
18AWG with male/female connectors

ALLVPEX12WH 12"
ALLVPEX24WH 24"
White linking cables
18AWG with male/female connectors

OMNI

Durable low voltage steel puck lights in three finishes emit 2700K Warm White LED light with an 85 CRI.

Performance
• Warm White LEDs (2700K) use only 3.2 watts, saving 85% versus conventional 20 watt incandescent puck lights
• Each puck delivers over 140 lumens – over twice as bright as xenon puck lights
• Dimmable with 15-100% light control (puck quantity and dimmer type depend upon driver used)
• Kits include a dimming driver (PS-12-12VPI with connection block instead of terminal block) and three pucks

Construction
• Zinc alloy LED housing with aluminum heat sink
• Stamped steel surface collar with Nickel or powder coat painted finish for White and Black
• Spring steel clips secure housing into surface collar with a snap-fit, and retain recessed pucks securely in place
• Polycarbonate lens diffuses light

Installation
• Multiple pucks may be powered by a 12V DC power supply using parallel wiring (hub system)
• 78" lead wires easily route to power supply location
• Surface mount or recess mount (2-1/4" cut-out)
• Kits are designed for plug-in installations, controlled by rocker switch on power cord; hardwired installations are controlled by wall switch or dimmer (see driver details for more information)

Specifications

Series	OMNI
Input voltage	12V DC
Color temperature	2700K
CRI	90+
Wattage	3.2W per puck
Lumens	140Lm / 145Lm / 150Lm
Maximum run	Dependent upon capacity of driver
Beam angle	120°
Dimming	PWM, PS-12-12VPI-T* and ELV**†
Housing	Zinc alloy face, steel collar
Lens	Polycarbonate
Rating	Not rated; Dry locations only
Dimensions	2-5/8"Dia. x 11/16" or 3/32"H
Switching	Rocker switch (kits) or wall control
Mounting	Surface or recess, screws included
Lead wire	24AWG, 78" in length
LED type	6 x 2835 SMD LEDs
Rated life	30,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers

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Building a System

Determine Layout:
Determine quantities of fixtures needed and installation type:
1. Hardwire
2. Plug-in

Select Power Input Accessories:
1. Hardwire: Use LED-DR30-12, ELV driver or modify PS-12-12VPI
2. Plug-in: Use PS-12-12VPI-T for each group of less than three. Order kits, which have the plug-in driver included, for groups of three.

Select Linking Accessories:
N/A, parallel wiring uses hub system

Omni Pucks

OMNI-1-BK
Omni Puck - Black
3.2W / 140Lm

OMNI-1-NK
Omni Puck - Nickel
3.2W / 145Lm

OMNI-1-WH
Omni Puck - White
3.2W / 150Lm

Individual Omni pucks include 78" lead wire and mounting hardware

Omni Kits

OMNI-3KIT-BK
3-Puck Kit - Black

OMNI-3KIT-NK
3-Puck Kit - Nickel

OMNI-3KIT-WH
3-Puck Kit - White

Each kit includes one 12V plug-in dimmable driver, three pucks each with 78" lead and mounting hardware

Omni Accessories

PS-12-12VPI-T (Black)

Class 2 dimmable* plug-in driver
6ft power cord with rocker switch, 6ft lead with
terminal block, c/ETL/us Listed for dry locations

LED-DR30-12

12V DC Class 2 hardwire power supply
100-240V AC input, 1-30 watts
6-1/4"L x 1-1/4" H x 1-3/4"W
c/UR/us Recognized for dry locations
Can be used with AL-PWM-6A dimmer
which consumes 3 watts

ELV-30-12 (30W** driver)
ELV-45-12 (45W† driver)

Class 2 dimmable hardwire driver
120V input
Note: Dimming function consumes
some power internally

*PS-12-12VPI-T and the 12V plug-in LED driver included with 3-disc kits only support 2 or 3 discs in dimming applications (use standard incandescent dimmers for 15-100% light control). This driver can be modified for hardwire applications by replacing the power cord with supply leads. For non-dimming applications, 1-3 pucks can be attached.

**ELV-30-12 supports 6 - 8 discs in dimming applications (15-100% light control) using most standard incandescent, reverse phase and electronic low voltage dimmers. For non-dimming applications, 1-9 pucks can be attached.

†ELV-45-12 supports 9 - 13 discs in dimming applications (15-100% light control) using most standard incandescent, reverse phase and electronic low voltage dimmers. For non-dimming applications, 1-14 pucks can be attached.

FUTURA

Low voltage disc lights that measure less than 1/2" high, the versatile Futura series is available in 3-pack kits and singles.

Performance
• Low profile disk shape is available in three finishes: Matte Black, Matte White and Nickel
• Available in individual and 3-disc kits for customizing projects
• Dimmable with 15-100% light control (quantity and dimmer type depend upon driver used)

Construction
• Cast aluminum heat sink maximizes life of LEDs
• Prismatic polycarbonate lens provides wide distribution of light
• Trim rings are durable Polycarbonate for White and Black discs, and Brushed Steel for Nickel discs

Installation
• Versatile design – allows hub system, daisy chain or a hub-daisy chain hybrid connection to power - up to five disks can be daisy-chained
• Futura discs are designed for surface mount only
• Linking cables are available in three lengths
• Kits are designed for plug-in installations, controlled by rocker switch on power cord or wall dimmer; hardwired installations are controlled by wall switch or dimmer (see driver details for more information)

Specifications

Series	FUT
Input voltage	12V DC
Color temperature	2700K
CRI	82+
Wattage	3W per puck
Lumens	170Lm / 175Lm / 180Lm
Maximum run	Dependent upon capacity of driver
Beam angle	100°
Dimming	PWM, PS-12-12VPI-T* and ELV**†
Housing	Polycarbonate (WH & BK), Steel (NK)
Lens	Polycarbonate
Rating	c/UL/us Listed, dry locations
Dimensions	3-9/16"Dia x 7/16"H
Power input	Plug-in and hardwire
Mounting	Surface mount, screws included
Linking	Cables included & sold separately
LED type	15 x 3014 SMD LEDs
Rated life	35,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers

Building a System

Determine Layout:
Determine the quantities of discs needed. Determine linking mode (daisy chain or hub system, or hybrid system) and power input:
1. Hardwire
2. Plug-in

Select Power Input Accessories:
1. Hardwire: Use LED-DR30-12, ELV driver or modify PS-12-12VPI
2. Plug-in: Use PS-12-12VPI-T for each group of less than three. Order kits, which have the plug-in driver included, for groups of three.

Select Linking Accessories:
Individual disks include 72" linking cables; kits include (1) 72" and (2) 24" cables - order other lengths as needed.

Futura Discs

FUT-1-BK
LED Futura Disc - Black
3W / 170Lm

FUT-1-NK
LED Futura Disc - Nickel
3W / 175Lm

FUT-1-WH
LED Futura Disc - White
3W / 180Lm

Individual disks include (1) 72" linking cable and mounting screws

Futura Kits

FUT-3KIT-BK
3-Disc Kit - Black

FUT-3KIT-NK
3-Disc Kit - Nickel

FUT-3KIT-WH
3-Disc Kit - White

Kits include (1) 12V DC plug-in driver, (1) 72" linking cable, (2) 24" linking cables and mounting screws

Futura Accessories

PS-12-12VPI-T* (Black only)
Class 2 dimmable* plug-in driver
6ft power cord with rocker switch ,6ft lead with
terminal block, c/ETL/us Listed for dry locations

*PS-12-12VPI-T and the 12V plug-in LED driver included with
3-disc kits only support 2 or 3 discs in dimming applications
(use standard incandescent dimmers for 15-100% light
control). This driver can be modified for hardwire applications
by replacing the power cord with supply leads. For non-
dimming applications, 1-3 pucks can be attached.

**ELV-30-12 supports 6 - 8 discs in dimming applications
(15-100% light control) using most standard incandescent,
reverse phase and electronic low voltage dimmers. For
non-dimming applications, 1-9 pucks can be attached.

†ELV-45-12 allows 9 - 13 discs in dimming applications
(15-100% light control) using most standard incandescent,
reverse phase and electronic low voltage dimmers. For
non-dimming applications, 1-14 pucks can be attached.

Linking Cables - Black
(Sold in bags of 10)
FUT-EX12 12"
FUT-EX24 24"
FUT-EX48 48"
FUT-EX72 72"

Linking Cables - White
(Sold in bags of 10)
FUT-EX12-WH 12"
FUT-EX24-WH 24"
FUT-EX48-WH 48"
FUT-EX72-WH 72"

ELV-30-12 (30W** driver)
ELV-45-12 (45W† driver)
Class 2 dimmable hardwire
driver, 120V input
Note: Dimming function
consumes some power internally

LED-DR30-12
12V DC Class 2 hardwire power supply
100-240V AC input, 1-30W
6-1/4"L x 1-1/4" H x 1-3/4"W
c/UR/us Recognized for dry locations
Can be used with AL-PWM-6A dimmer
which consumes 3 watts

XENON – 12V c(UL)us

Economical, reliable and bright low voltage point source light in White or Black last up to 10,000 hours.

Performance
- Build your own system with individual pucks or use convenient kits for easy to install plug-in applications
- Full range dimming with standard incandescent dimmers
- Long life 12V lamps last up to 10,000 hours

Construction
- Heavy duty hard plastic housing with frosted glare-free tempered glass lens
- Aluminum reflector optimizes light and dissipates heat
- 18AWG SPT-1 leads are 48" in length for easy routing
- Surface ring has built-in ventilation openings

Installation
- Recess or surface mount – easy twist-off design separates collar from puck for recessed applications (recess pucks require a 2-1/8" cut-out)
- Build your own system with single pucks and a variety of transformer capacities
- Convenient 2, and 3-light kits include a 60W pre-wired plug-in transformer for quick installation

Specifications

Series	ALPX
Input voltage	12V AC, 60Hz
Color temperature	3000K
CRI	100
Wattage	20W per puck
Lumens	130Lm ea (BK); 155Lm ea (WH)
Maximum run	Capacity of transformer
Beam angle	35°
Dimming	Standard incandescent
Housing	Heavy duty plastic
Lens	Frosted tempered glass
Rating	c/UL/us Listed, dry locations
Dimensions	2-3/4"Dia. x 1-3/8" or 1/2"H
Switching	Roll-switch (kits) or wall control
Mounting	Surface or recess, screws included
Linking	N/A
Lamp type	12V Xenon, G4 base, 1-1/16" MOL
Rated life	10,000 hrs

Building a System

Determine Layout and Installation:
Determine quantities and type of installation
1. Hardwire (use individual puck lights)
2. Cord and Plug (use kits when quantity needed equals kit quantity)

Select Power Input Accessories:
1. Hardwire: Add up total watts and order hardwire transformers with appropriate capacity
2. Cord and plug: For 2- and 3-light projects, order kits.

Select Linking Accessories:
N/A, parallel wiring uses hub system

12V Xenon Pucks

ALPX20-BK-B
12V Xenon Puck - Black
20W / 130Lm per puck

Individual pucks include (1) puck with a 48" 18AWG lead wire and mounting screws
When using ALTR-Series power supplies, do not exceed 10ft distance from puck to transformer

12V Xenon Kits

ALPX20-BK
Single Puck Kit - Black

ALPX40-BK
Two Puck Kit - Black

ALPX40-WH
Two Puck Kit - White

ALPX60-WH
Three Puck Kit - White

Single puck kits include (1) puck with a 48" 18AWG lead, and mounting screws
Two puck kits include (2) pucks with 48" 18AWG leads, (1) 60W plug-in transformer and mounting screws
Three puck kits include (3) pucks with 48" 18AWG leads, (1) 60W plug-in transformer and mounting screws
When using ALTR Series power supplies, do not exceed 10ft distance from puck to transformer

12V Xenon Accessories

ALTR60B
12V hardwire electronic
20-60W transformer
c/UR/us Recognized

ALTR80B
12V hardwire electronic
20-80W transformer
c/UR/us Recognized

ALTR105B
12V hardwire electronic
20-105W transformer
c/UR/us Recognized

ALTR150B
12V hardwire electronic
45-150W transformer
c/UR/us Recognized

ALPX20B (2-Pack)
12V xenon replacement lamps
20 watts / 10,000hr rated life
1-1/16" M.O.L.

XENON & HALOGEN – 120V ⊂(UL)us

Economical and easy to use line voltage
puck - no transformer needed!

Performance
• Versatile - build a system using kits and/or individual pucks
• Dimmable with standard incandescent dimmers
• Pucks emit 50+ lumens each with 100 CRI

Construction
• Heavy duty hard plastic housing with frosted glare-free tempered glass lens
• Aluminum reflector optimizes light and dissipates heat
• 18AWG SPT-1 leads are 4' in length for easy routing
• Surface ring has built-in ventilation openings

Installation
• Recess or surface mount – easy twist-off design separates collar from puck for recessed applications (recess pucks require a 2-1/8" cut-out)
• Build your own system with single pucks and/or individual puck lights
• Convenient 2- and 3-light kits include power cord with roll switch and 12" linking cables (Xenon only)
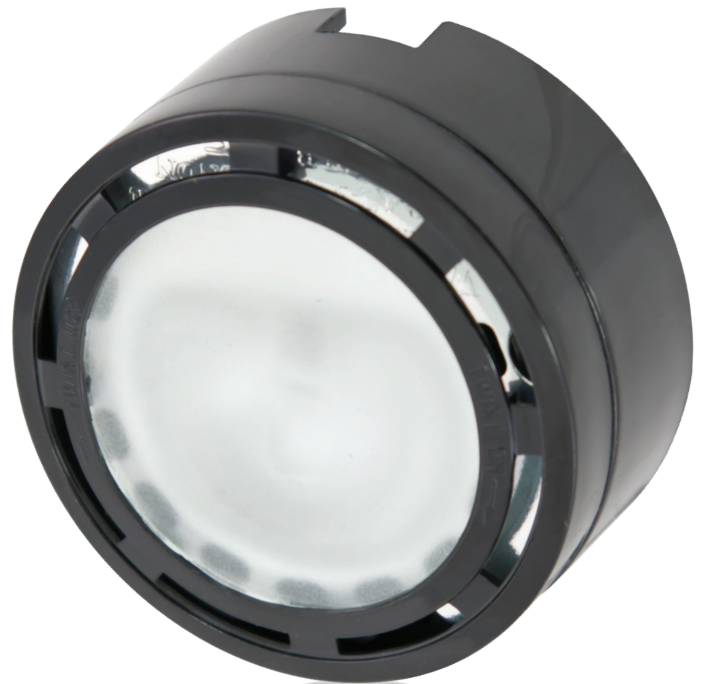
Specifications

Series	LVPX **(Xenon)** / ALLVP (Halogen)
Input voltage	120V AC, 60Hz
Color temperature	3200K / 2800K
CRI	99
Wattage	20W per puck
Lumens	82Lm / 115Lm
Maximum run	200 watts
Beam angle	65°
Dimming	Most standard incandescent
Housing	Heavy duty plastic
Lens	Frosted tempered glass
Rating	c/UL/us Listed, dry locations
Dimensions	2-3/4"Dia. x 1-3/8" or 1/2"H (rec)
Switching	Roll-switch (kits) or ALSLBOX
Mounting	Surface or recess, screws included
Linking	Up to ten with ALLVPEX cables
Lamp specs	120V Xenon, G8 base, 1-3/8" MOL
Rated life	8,000 hrs / 2,500 hrs

Building a System

Determine Layout and Installation:
Determine quantities, locations and type of installation
1. Hardwire
2. Cord and Plug

Select Power Input Accessories:
1. Hardwire: Order ALSLBOX for each power feed location
2. Cord and plug: Order individual or 3-pack kits and additional pucks individually as needed to fill in quantity

Select Linking Accessories:
Use linking cables between pucks as needed (12" ones are included in kits). Order a 12" (minimum length) linking cable to reach the ALSLBOX

120V Pucks

LVPX20BK-B (Xenon)
ALLVP20BK-B (Halogen)
120V Puck - Black, 20W
82Lm (Xenon), 115Lm (Halogen)

LVPX20WH-B (Xenon)
ALLVP20WH-B (Halogen)
120V Puck - White, 20W
82Lm (Xenon), 115Lm (Halogen)

Individual 120V pucks include 3" lead wire, 3" tail wire and mounting screws

120V Puck Kits

LVPX20BK (Xenon), **ALLVP20BK** (Halogen)
Single Puck Kit - Black

LVPX80BK (Xenon)
Four Puck Kit - Black

LVPX20WH (Xenon), **ALLVP20WH** (Halogen)
Single Puck Kit - White

LVPX40WH (Xenon)
Two Puck Kit - White

LVPX80WH (Xenon)
Four Puck Kit - White

Single puck kits include (1) puck with 3" lead wire, (1) 6' power cord with inline switch and mounting screws.
Two puck kits include (1) puck with 3" lead wire, (1) pucks with 3" lead and 3" tail wire, (1) 12" linking cables, (1) 6' power cord with inline switch and mounting screws.
Four puck kits include (1) puck with 3" lead wire, (3) pucks with 3" lead and 3" tail wire, (3) 12" linking cables, (1) 6' power cord with inline switch and mounting screws.

120V Puck Accessories

ALSLBOX-WH-B (White)
ALSLBOX (Black)
Slimline hardware box
c/UR/us Recognized, dry locations

ALLVP-PC6-WH (White)
ALLVP-PC6 (Black)
6ft power cord
c/UL/us Listed

Linking Cable - Black
ALLVPEX12 12"
ALLVPEX24 24"

LVPX20BP (2-Pack)
Replacement 120V xenon lamps
20 watt / 8,000hr rated life
1-3/8" M.O.L.

ALLVP20B (2-Pack)
Replacement 120V halogen lamps
20 watt / 2,500hr rated life
1-3/8" M.O.L.

Linking Cable - White
ALLVPEX12WH 12"
ALLVPEX24WH 24"

HIGH POWER SWIVEL

A bright and focused point source of light that swivels to direct light where you need it.

Performance
• Recess mount design with a 30° axial swivel
• High power LED with 90+ CRI uses only 3.25 watts and emits 165 lumens
• Warm White HPS (3000K) saves 90% compared to 35W halogen puck lights, but without the heat or UV
• Dimmable with constant current 700mA dimming driver

Construction
• Die cast aluminum alloy light housing with aluminum heat fins keep the high power LED cool for long lasting performance
• Clear acrylic focusing lens creates a precise 15° beam angle
• Stainless steel clips secure housing into mounting surface to keep pucks in place

Installation
• Link up to 11 HPS fixtures to a dimming driver, or up to 7 to the LED-DR25-700 driver
• Select from a variety of series wiring power connectors
• Recess applications only (1-5/8" cut-out)
• Choose from dimming or non-dimming drivers

Specifications

Series	HPS
Input voltage	700mA DC
Color temperature	3000K
CRI	90+
Wattage	3.25W per puck
Lumens	165Lm
Maximum run	Capacity of driver
Beam angle	15°
Dimming	Use LED-DR36-700D
Housing	Die-cast aluminum alloy
Lens	Clear acrylic
Rating	N/A
Dimensions	2"Dia. x 1-3/8"H (1/8" installed)
Switching	Via wall control
Mounting	Recess mount (1-5/8" cut-out)
Linking	Via 700mA series accessories 1 x
LED type	700mA high power (3W) LED
Rated life	50,000 hrs

Building a System

Determine Layout:
Determine quantities and locations of fixtures

Select Power Supply:
Determine whether dimming will be needed and add up total wattage of fixtures to determine driver type and capacity. See driver details at right.

Select Linking Accessories:
Select series power connection accessories from the facing page, remembering that all ports must be filled with either a fixture or END, except LED-CON6-700HW.

High Power Swivel

HPS-AL
High Power Swivel - Satin Aluminum
3.25W / 165Lm / 90CRI

High Power Swivel Accessories

LED-CON6-700HW
Hardwire power connection hub
with 78" lead and mounting tab
2-3/4"W x 2-1/8"D x 11/16"H

LED-CON6-700
Series power connector with (3) LED-
END-700s, 78" lead and mounting hole
1-7/8"L x 1-1/4"W

LED-CON3-700
Series power connector with (1)
LED-END-700, 78" lead and mounting hole
2-1/4"L x 9/16"W

LED-CON2-700
Series power connector with
78" lead and mounting hole
1-1/2"L x 9/16"W

LED-END-700
Series End Cap for use with
LED-CON2-700, LED-
CON3-700 and LED-CON6-700

High Power Swivel Power Supplies

LED-DR36-700D
700mA dimmable hardwire constant
current driver with 8" lead wires
Class 2, 9-36W, c/UR/us Recognized
5-1/4"L x 1-5/8"W x 1-1/4"H

LED-DR25-700
700mA hardwire constant current driver
Class 2, 3-25W, c/UR/us Recognized
6"L x 2-5/8"W x 1-3/16"H

LED-DR12-700
700mA hardwire constant current driver
Class 2, 3-12W, c/UR/us Recognized
6-5/8"L x 1-1/2"W x 1-3/16"H

LMS-3 SWIVEL

Bright, high performance recessed fixture with a universal swivel and 25° beam angle.

Performance
• Recess mount design with a 30° universal swivel
• Three high power LEDs with 85+ CRI use only 3.75 watts and emit 185 lumens
• Warm White LMS-3 (3000K) saves 90% compared to 35W halogen puck lights, but without the heat or UV
• Dimmable with constant current 350mA dimming driver

Construction
• Die cast aluminum alloy light housing with aluminum heat sink keeps the LEDs cool for long lasting performance
• Clear acrylic focusing lenses create a 25° beam angle
• Stainless steel clips secure housing into mounting surface to keep pucks in place

Installation
• Link up to 4 LMS-3 fixtures to LED-DR18-350D2 (dimming driver) or LED-DR16-350 (non-dimming driver)
• Select from a variety of series wiring power connectors
• Recess applications only (2-3/4" cut-out)
• Choose from dimming or non-dimming drivers

Specifications

Series	LMS-3
Input voltage	350mA DC
Color temperature	3100K
CRI	85+
Wattage	3.75W per puck
Lumens	185Lm
Maximum run	Capacity of driver
Beam angle	25°
Dimming	Use LED-DR18-350D2
Housing	Die-cast aluminum alloy
Lens	Clear acrylic
Rating	N/A
Dimensions	3-1/18"Dia x 1-1/8"H (1/8" installed)
Switching	Via wall control
Mounting	Recess mount (2-3/4" cut-out)
Linking	Via 350mA series accessories
LED type	3 x 350mA high power LEDs
Rated life	50,000 hrs

Building a System

Determine Layout:
Determine quantities and locations of fixtures

Select Power Supply:
Determine whether dimming will be needed and add up total wattage of fixtures to determine driver type and capacity. See driver details at right.

Select Linking Accessories:
Select series power connection accessories from the facing page, remembering that all ports must be filled with either a fixture or END, excepting LED-CON6-350HW.

LMS-3 Swivel

LMS-3-BK
LMS-3 Swivel - Black
3.75W / 185Lm

LMS-3-AL
LMS-3 Swivel - Satin Aluminum
3.75W / 185Lm

LMS-3-WH
LMS-3 Swivel - White
3.75W / 185Lm

LMS-3 Swivel Accessories

LED-CON6-350HW
Hardwire power connection hub
with 78" lead and mounting tab
2-3/4"W x 2-1/8"D x 11/16"H

LED-CON6-350
Series power connector with (3) LED-
END-350s, 78" lead and mounting hole
1-7/8"L x 1-1/4"W

LED-CON3-350
Series power connector with (1)
LED-END-350, 78" lead and mounting hole
2-1/4"L x 9/16"W

LED-CON2-350
Series power connector with 78"
lead and mounting hole
1-1/2"L x 9/16"W

LED-END-350
Series End Cap for use with
LED-CON2-350, LED-CON3-350
and LED-CON6-350

LMS-3 Swivel Power Supplies
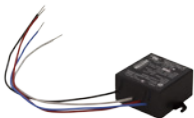
LED-DR18-350D2
350mA dimmable constant
current hardwire driver with
7" lead wires; Class 2, 1-6W,
cURus Recognized
2-3/8"L x 2"W x 1"H

LED-DR18-350D2
350mA dimmable constant
current hardwire driver
with 8" lead wires; Class 2,
3-18W, cURus Recognized
5-1/4"L x 1-5/8"W x 1-1/4"H

LED-DR16-350
350mA constant current hard-
wire driver; Class 2, 4-16W,
cURus Recognized
3-1/2"L x 1-5/8"W x 1-3/16"H

LED-DR20-350
350mA constant current
hardwire driver; Class 2,
9-20W; cURus Recognized
6-5/8"L x 1-1/2"W x 1-3/16"H

MINI SWIVEL

Small but powerful recessed fixtures that swivel to direct light where you need it.

Performance
• Recess mount design with a 30° axial swivel
• 1W high power LED with 85+ CRI uses only 1.25 watts and emits 60-68 lumens, depending on style and finish
• Warm White 3000K LED light saves 87% compared to 10W halogen puck lights, but without the heat or UV
• Dimmable with constant current 350mA dimming driver

Construction
• Die cast aluminum alloy light housing with aluminum heat sink keeps the LEDs cool for long lasting performance
• Clear acrylic focusing lenses create a 25° beam angle
• Mini Swivels include additional lenses – change when you want an 80° beam angle
• Stainless steel clips secure housing into mounting surface to keep pucks in place

Installation
• Link up to 12 Mini Swivel fixtures to LED-DR18-350D2 (dimming driver) or LED-DR18-350 (non-dimming driver)
• Select from a variety of series wiring power connectors
• Recess applications only (1-7/8" cut-out)
• Choose from dimming or non-dimming drivers
• Each swivel includes an additional 80° lens (optional, replaces 25° lens easily in the field)

Specifications

Series	LMS and LMV
Input voltage	350mA DC
Color temperature	3000K
CRI	85+
Wattage	1.25W per puck
Lumens	See individual product
Maximum run	Driver capacity
Beam angle	25°
Dimming	Use LED-DR18-350D2
Housing	Die-cast aluminum alloy
Lens	Clear acrylic (optional prismatic)
Rating	N/A
LMS Dimensions	2-1-1/16"Dia x 1"H (1/8" installed)
LMV Dimensions	2-1/16"Dia x 1-1/4"H (1-1/8" installed)
Switching	Via wall control
Mounting	Recess mount (1-7/8" cut-out)
Linking	Via 350mA series accessories
LED type	1 x 350mA high power LED
Rated life	50,000 hrs

Building a System

Determine Layout:
Determine quantities and locations of fixtures

Select Power Supply:
Determine whether dimming will be needed and add up total wattage of fixtures to determine driver type and capacity. See driver details at right.

Select Linking Accessories:
Select series power connection accessories from the facing page, remembering that all ports must be filled with either a fixture or END, except LED-CON6-350HW.

Mini Swivel Series

LMS-BK
Mini Swivel - Black
1.25W / 65Lm / 30° Swivel

LMS-AL
Mini Swivel - Satin Aluminum
1.25W / 62Lm / 30° Swivel

LMS-WH
Mini Swivel - White
1.25W / 68Lm / 30° Swivel

LMV-BK
Mini Visor Swivel - Black
1.25W / 64Lm / 30° Swivel

LMV-AL
Mini Visor Swivel - Satin Aluminum
1.25W / 60Lm / 30° Swivel

LMV-WH
Mini Visor Swivel - White
1.25W / 67Lm / 30° Swivel

Mini Swivel Accessories

LED-CON6-350HW
Hardwire power connection
hub with 78" lead and
mounting tab
2-3/4"W x 2-1/8"D x 11/16"H

LED-CON6-350
Series power connector
with (3) LED-END-350s,
78" lead and mounting hole
1-7/8"L x 1-1/4"W

LED-CON3-350
Series power connector,
(1) END CAP, 78" lead and
mounting hole
2-1/4"L x 9/16"W

LED-CON2-350
Series power connec-
tor with 78" lead and
mounting hole
1-1/2"L x 9/16"W

LED-END-350
Series End Cap for use
with 350mA connectors

Mini Swivel Power Supplies
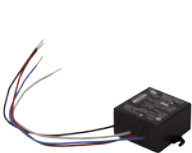
LED-DR18-350D2
350mA dimmable constant
current hardwire driver with
7" lead wires; Class 2, 1-6W,
cURus Recognized
2-3/8"L x 2"W x 1"H

LED-DR18-350D2
350mA dimmable constant
current hardwire driver
with 8" lead wires; Class 2,
3-18W, cURus Recognized
5-1/4"L x 1-5/8"W x 1-1/4"H

LED-DR16-350
350mA constant current hard-
wire driver; Class 2, 4-16W,
cURus Recognized
3-1/2"L x 1-5/8"W x 1-3/16"H

LED-DR20-350
350mA constant current
hardwire driver; Class 2,
9-20W; cURus Recognized
6-5/8"L x 1-1/2"W x 1-3/16"H

LED BULLET

Small but powerful recessed fixtures with wide distribution fit into small spaces for big impact.

Performance
• Recess mount design with a low profile in four finishes
• High power LED with 85+ CRI uses only 1.25 watts and emits 62+ lumens, depending on finish
• Warm White 3000K LED light saves 87% compared to 10W halogen puck lights, but without the heat or UV
• Dimmable with constant current 350mA dimming driver

Construction
• Plastic housing with aluminum heat sink keeps the LEDs cool for long lasting performance
• Slightly regressed LED with a mini light multiplying cone create a 110° beam angle
• Stainless steel clips secure housing into mounting surface to keep Bullets in place

Installation
• Link up to 12 fixtures to a dimming driver, or up to 12 with the LED-DR16-350 non-dimming driver
• Select from a variety of series wiring power connectors
• Recess applications only (1" cut-out)
• Choose from dimming or non-dimming drivers

Specifications

Series	024
Input voltage	350mA DC
Color temperature	3100K
CRI	85+
Wattage	1.25W
Lumens	See individual product
Maximum run	Driver capacity
Beam angle	110°
Dimming	Use LED-DR18-350D2
Housing	Thermal resistant ABS plastic
Lens	Clear acrylic LED cover
Rating	N/A
Dimensions	1-3/16"Dia. x 7/8"H (1/16" installed)
Switching	Via wall control
Mounting	Recess mount (1" cut-out)
Linking	Via 350mA series accessories
LED type	1 x 350mA high power LED
Rated life	50,000 hrs

Building a System

Determine Layout:
Determine quantities and locations of fixtures

Select Power Supply:
Determine whether dimming will be needed and add up total wattage of fixtures to determine driver type and capacity. See driver details at right.

Select Linking Accessories:
Select series power connection accessories from the facing page, remembering that all ports must be filled with either a fixture or END, except LED-CON6-350HW.

LED Bullet

024-0001
LED Bullet - Black
1.25W / 65Lm
attached clips and
78" lead wire

024-0002
LED Bullet - Chrome
1.25W / 67Lm
attached clips and
78" lead wire

024-0003
LED Bullet - Dark Bronze
1.25W / 62Lm
attached clips and
78" lead wire

024-0004
LED Bullet - White
1.25W / 67Lm
attached clips and
78" lead wire

LED Bullet Accessories

LED-CON6-350HW
Hardwire power connection hub
with 78" lead and mounting tab
2-3/4"W x 2-1/8"D x 11/16"H

LED-CON6-350
Series power connector with (3) LED-
END-350s, 78" lead and mounting hole
1-7/8"L x 1-1/4"W

LED-CON3-350
Series power connector with (1)
LED-END-350, 78" lead and mounting hole
2-1/4"L x 9/16"W

LED-CON2-350
Series power connector with 78"
lead and mounting hole
1-1/2"L x 9/16"W

LED-END-350
Series End Cap for use with
LED-CON2-350, LED-CON3-350
and LED-CON6-350

LED Bullet Power Supplies
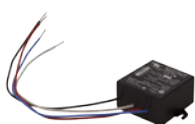
LED-DR18-350D2
350mA dimmable constant
current hardwire driver with
7" lead wires; Class 2, 1-6W,
cURus Recognized
2-3/8"L x 2"W x 1"H

LED-DR18-350D2
350mA dimmable constant
current hardwire driver
with 8" lead wires; Class 2,
3-18W, cURus Recognized
5-1/4"L x 1-5/8"W x 1-1/4"H

LED-DR16-350
350mA constant current hard-
wire driver; Class 2, 4-16W,
cURus Recognized
3-1/2"L x 1-5/8"W x 1-3/16"H

LED-DR20-350
350mA constant current
hardwire driver; Class 2,
9-20W; cURus Recognized
6-5/8"L x 1-1/2"W x 1-3/16"H

High CRI Retrofits

Energy Star compliant lamps in the new CR90 family all have 90+ CRI, are dimmable with most dimmers and can save you more than 80% in running costs over conventional lamps. The 2700K warm white LED lamps, often for residential uses, look like incandescent; 4000K bright white versions bring public and/or commercial spaces to life with realistic color and punch.

A19
p.72
- 5-13W
- 2700K
- 90+ CRI
- 300 to 950 lumens
- 330° beam angle
- Dimmable

PAR 20
p.73
- 8W
- 2700K and 4000K
- 90+ CRI
- 450 or 480 lumens
- 25° or 40° beam angles
- Dimmable

PAR 30 / 38
p.74-75
- 12-16W
- 2700K and 4000K
- 90+ CRI
- 830 to 1150 lumens
- 40° beam angles
- Dimmable

BR 30 / 40
p.76-77
- 12-16W
- 2700K and 4000K
- 90+ CRI
- 780 to 1100 lumens
- 110° beam angle
- Dimmable

LED RETROFIT LAMPS

CR90 A19s

Energy Star compliant replacement for 25W-100W incandescent A19s. Save 80-87% in running costs over conventional lamps.

Performance

• Dimmable with most CFL/LED, low voltage electronic (ELV), standard incandescent (triac) and magnetic dimmers for 20-100% light control
• Convenient instant on with no flicker or hum
• Ultra Warm White (2700K) LED light with 90+ CRI and 330° beam angle
• CR90 A19s last up to 25,000 hours, sixteen times longer than incandescent lamps rated at 1,500 hours
• Energy Star compliant
• c/ETL/us Listed for indoor/dry locations, non-enclosed fixtures
• RoHS compliant

Construction

• Superior heat sink for LED longevity
• Nickel base resists corrosion
• White acrylic lens softens and diffuses light

Specifications

Series	CR90 A19
Input voltage	120V AC, 60Hz
Color temperature	2700K
CRI	90+
Wattage	5W / 7W / 9W / 11W / 13W
Lumens	See individual product
Beam angle	330°
Dimming	Yes
Lens	White acrylic
Rating	c/ETL/us for indoor locations*
Dimensions	2-3/8"W x 4-3/8"H (5W, 7W, 9W)
	2-3/8"W x 4-11/16"H (11W, 13W)
Base	Medium (E26) base
Rated life	25,000 hrs

*Not for use in enclosed fixtures

CR90 A19s

2790-5A19	**2790-7A19**	**2790-9A19**	**2790-11A19**	**2790-13A19**
A19 330° (2700K)	A19 330° (2700K)	A19 330° (2700K)	A19 330° (2700K)	A19 330° (2700K)
5W / 300Lm / E26	7W / 420Lm / E26	9W / 620Lm / E26	11W / 830Lm / E26	13W / 950Lm / E26

CR90 PAR20s

Energy Star compliant replacement for 50W incandescent PAR20s and R20s. Save 84% in running costs over conventional lamps.

Performance
- Dimmable with most CFL/LED, low voltage electronic (ELV), standard incandescent (triac) and magnetic dimmers for 20-100% light control
- Convenient instant-on with no flicker or hum
- Ultra Warm White (2700K) or White (4000K) LED light with 90+ CRI and 25° or 40° beam angle
- CR90 PAR20s last up to 25,000 hours, ten times longer than incandescent lamps rated at 2,500 hours
- Energy Star compliant
- c/ETL/us Listed for indoor/dry locations
- RoHS compliant

Construction
- Superior heat sink for LED longevity
- Nickel base resists corrosion
- White acrylic lens softens and diffuses light

Photometrics
2790-8PAR20-25 / 4090-8PAR20-25 /
2790-8PAR20-40 / 4090-8PAR20-40

Luminous flux	497 / 606 / 459 / 566 LM
Maximum intensity	3160 / 3465 / 734 / 893 cd
Input wattage	8.1W
Lumens per watt	61.1 / 74.8 / 56.7 / 40 LPW
Beam angle	15.5 / 16.6 (s/b 25)

UNIT:cd
— c0/180, 95.4°
— c90/270, 95.4°

fc / dia	distance
197/216/45/55 fc 1.1'/1.1'/2.9'/2.9' dia	4 ft
87/96/20/24 fc 1.6'/1.6'/4.4'/4.4' dia	6 ft
49/54/11/14 fc 2.2'/2.2'/5.8'/5.8' dia	8 ft
31/34/7/8 fc 2.7'/2.7'/7.3'/7.3' dia	10 ft

Specifications

Series	CR90 PAR20
Input voltage	120V AC, 60Hz
Color temperature	2700K / 4000K
CRI	90+
Wattage	8W
Lumens	450Lm / 480Lm
Beam angle	25° / 40°
Dimming	Yes
Lens	Clear prismatic polycarbonate
Rating	c/ETL/us for indoor locations*
Dimensions	2-7/16"W x 3-7/16"H
Base	Medium (E26) base
Rated life	25,000 hrs

*Not for use in enclosed fixtures

CR90 PAR20s

2790-8PAR20-25
PAR20 25° (2700K)
8W / 450Lm / E26
50W equivalent

4090-8PAR20-25
PAR20 25° (4000K)
8W / 480Lm / E26
50W equivalent

2790-8PAR20-40
PAR20 40° (2700K)
8W / 450Lm / E26
50W equivalent

4090-8PAR20-40
PAR20 40° (4000K)
8W / 480Lm / E26
50W equivalent

CR90 PAR30s

Energy Star compliant replacement for 75W incandescent PAR30s. Save 84% in running costs over conventional lamps. Available in short and long neck lamps for use in wet locations.

Performance
• Dimmable with most CFL/LED, low voltage electronic (ELV), standard incandescent (triac) and magnetic dimmers for 20-100% light control
• Convenient instant on with no flicker or hum
• Ultra Warm White (2700K) or White (4000K) LED light with 90+ CRI and 40° beam angle
• CR90 PAR30s last up to 25,000 hours, ten times longer than incandescent lamps rated at 2,500 hours
• Energy Star compliant
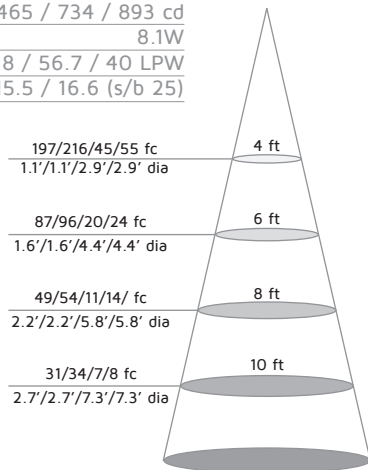• cETLus Listed for damp locations
• RoHS compliant

Construction
• Superior heat sink for LED longevity
• Nickel base resists corrosion
• Clear prismatic acrylic lens softens and diffuses light

Photometrics
2790-12PAR30 / 4090-12PAR30

Luminous flux	1085 / 1176 LM
Maximum intensity	3809 / 4231 cd
Input wattage	12.8W / 11.6W
Lumens per watt	84.8 / 101.4 LPW
Beam angle	39.9 (s/b 25)

```
0                    90
70
140
210                  60
280
350        30
0
UNIT:cd
— c0/180, 95.4°
— c90/270, 95.4°
```

238.1/264.4 fc / 1.8' dia	4 ft
105.8/117.5 fc / 2.7' dia	6 ft
59.5/66.1 fc / 3.6' dia	8 ft
38.1/42.3/38.1/42.3 fc / 4.5' dia	10 ft

Specifications

Series	PAR30
Input voltage	120V AC, 60Hz
Color temperature	2700K / 4000K
CRI	90+
Wattage	12W
Lumens	830Lm / 860Lm
Beam angle	40°
Dimming	Yes
Lens	Clear prismatic polycarbonate
Rating	cETLus for damp locations*
Dimensions	3-3/4"W x 3-9/16"H (30S)
	3-3/4"W x 4-3/8"H (30L)
Base	Medium (E26) base
Rated life	25,000 hrs

*Not for use in enclosed fixtures

CR90 PAR30s

2790-12PAR30S-40-WL
PAR30 40° (2700K)
12W / 830Lm / E26
75W equivalent

4090-12PAR30S-40-WL
PAR30 40° (4000K)
12W / 860Lm / E26
75W equivalent

2790-12PAR30L-40-WL
PAR30 40° (2700K)
12W / 830Lm / E26
75W equivalent

4090-12PAR30L-40-WL
PAR30 40° (4000K)
12W / 860Lm / E26
75W equivalent

CR90 PAR38s

Energy Star compliant replacements for 90W incandescent PAR38s. Save 82% in running costs over conventional lamps. Suitable for use in wet locations.

Performance

- Dimmable with most CFL/LED, low voltage electronic (ELV), standard incandescent (triac) and magnetic dimmers for 20-100% light control
- Convenient instant on with no flicker or hum
- Ultra Warm White (2700K) or White (4000K) LED light with 90+ CRI and 40° beam angle
- CR90 PAR38s last up to 25,000 hours, ten times longer than incandescent lamps rated at 2,500 hours
- Energy Star compliant
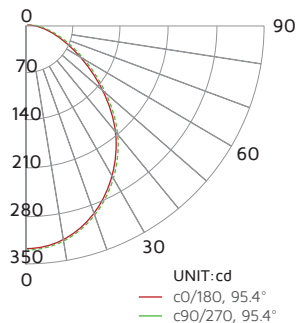- c/ETL/us Listed for wet locations (IP62)
- RoHS compliant

Construction

- Superior heat sink for LED longevity
- Nickel base resists corrosion
- White acrylic lens softens and diffuses light

Photometrics

2790-16PAR38-40-WL / 4090-16PAR38-40-WL

Luminous flux	1343 / 1524 LM
Maximum intensity	2558 / 2699 cd
Input wattage	15.3W / 15.6W
Lumens per watt	87.8 / 97.7 LPW
Beam angle	39.9 (s/b 25)

UNIT:cd
c0/180, 95.4°
c90/270, 95.4°

fc	dia	distance
159.9/168.7 fc	2.9'/3' dia	4 ft
71.1/75 fc	4.4'/4.5' dia	6 ft
40/42.2 fc	5.8'/5.9' dia	8 ft
25.6/27 fc	7.3'/7.4' dia	10 ft

Specifications

Series	PAR38
Input voltage	120V AC, 60Hz
Color temperature	2700K / 4000K
CRI	90+
Wattage	16W
Lumens	1120Lm / 1150Lm
Beam angle	40°
Dimming	Yes
Lens	Clear prismatic polycarbonate
Rating	c/ETL/us for wet locations* (IP62)
Dimensions	4-11/16"W x 5-1/8"H
Base	Medium (E26) base
Rated life	25,000 hrs

*Not for use in enclosed fixtures

CR90 PAR38s

2790-16PAR38-40-WL
PAR38 40° (2700K)
16W / 1120Lm / E26
90W equivalent

4090-16PAR38-40-WL
PAR38 40° (4000K)
16W / 1150Lm / E26
90W equivalent

CR90 BR30s

Energy Star compliant replacements incandescent 90BR30s will save 87% in running costs over conventional lamps. Choose from two color temperatures with 90+ CRI and ten times the lamp life of incandescent (25,000 hours versus 2,500).

Performance

- Dimmable with most CFL/LED, low voltage electronic (ELV), standard incandescent (triac) and magnetic dimmers for 20-100% light control
- Convenient instant-on with no flicker or hum
- Ultra Warm White (2700K) or White (4000K) LED light with 90+ CRI and 110° beam angle
- CR90 BR30s last up to 25,000 hours, ten times longer than incandescent lamps rated at 2,500 hours
- Energy Star compliant
- c/ETL/us Listed for indoor/dry locations
- RoHS compliant

Construction
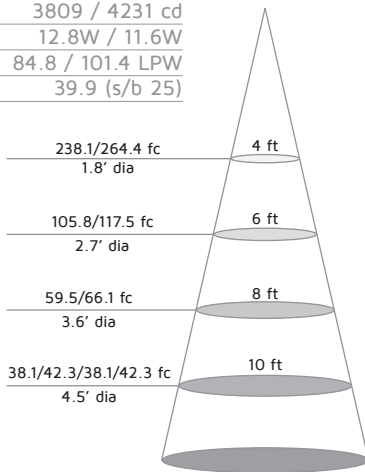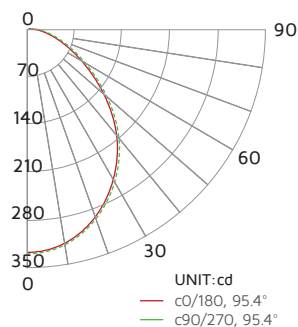
- Superior heat sink for LED longevity
- Nickel base resists corrosion
- White acrylic lens softens and diffuses light

Photometrics

2790-12BR30 / 4090-12BR30

Luminous flux	775 / 994 LM
Maximum intensity	238 / 306 cd
Input wattage	12.5W / 12.3W
Lumens per watt	62 / 80.8 LPW
Beam angle	112.4° / 112.4°

14.9/19.1 fc	4 ft	
12'/12' dia		
6.6/8.5 fc	6 ft	
17.9'/17.9' dia		
3.7/4.8 fc	8 ft	
23.9'/23.9' dia		
2.4/3.1 fc	10 ft	
29.9'/29.9' dia		

UNIT:cd
— c0/180, 95.4°
— c90/270, 95.4°
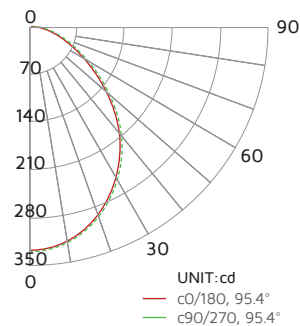
Specifications

Series	BR30
Input voltage	120V AC, 60Hz
Color temperature	2700K / 4000K
CRI	90+
Wattage	12W
Lumens	780Lm / 800Lm
Beam angle	110°
Dimming	Yes
Lens	White acrylic
Rating	c/ETL/us for indoor locations*
Dimensions	3-3/4"W x 5-1/8"H
Base	Medium (E26) base
Rated life	25,000 hrs

*Not for use in enclosed fixtures

CR90 BR30s

2790-12BR30
BR30 110° (2700K)
12W / 780Lm / E26
90W equivalent

4090-12BR30
BR30 110° (4000K)
12W / 800Lm / E26
90W equivalent

CR90 BR40s

These Energy Star compliant replacements for 75W or 85W incandescent BR40s save 82% in running costs over conventional lamps. Choose from two color temperatures with 90+ CRI and ten times the lamp life of incandescent (25,000 hours versus 2,500).

Performance

- Dimmable with most CFL/LED, low voltage electronic (ELV), standard incandescent (triac) and magnetic dimmers for 20-100% light control
- Convenient instant-on with no flicker or hum
- Ultra Warm White (2700K) or White (4000K) LED light with 90+ CRI and 110° beam angle
- CR90 BR40s last up to 25,000 hours, ten times longer than incandescent lamps rated at 2,500 hours
- Energy Star compliant
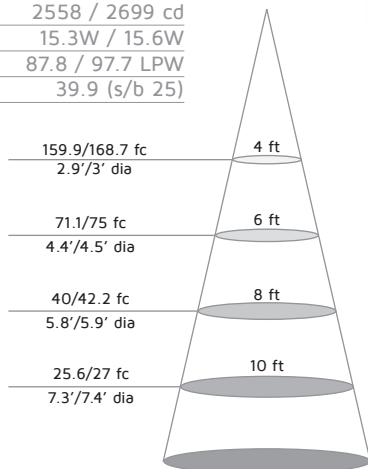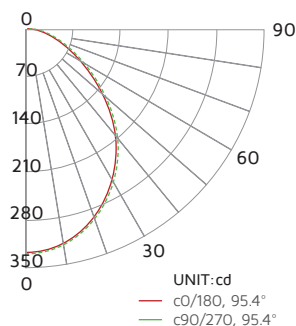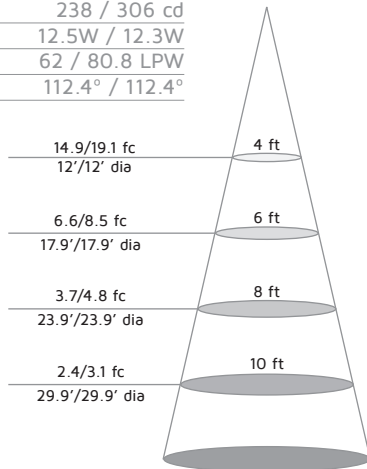- c/ETL/us Listed for indoor/dry locations
- RoHS compliant

Construction

- Superior heat sink for LED longevity
- Nickel base resists corrosion
- White acrylic lens softens and diffuses light

Photometrics

2790-16BR40 / 4090-16BR40

Luminous flux	1057 / 994 LM
Maximum intensity	306 / 3809 cd
Input wattage	15.2W / 12.3W
Lumens per watt	69.5 /80.8 LPW
Beam angle	116.6 (s/b 25)

UNIT:cd
— c0/180, 95.4°
— c90/270, 95.4°

19.1 fc	13'/12' dia	4 ft
8.5 fc	19.4'/18' dia	6 ft
4.8 fc	25.9'/23.9' dia	8 ft
3.1 fc	32.4'/29.9' dia	10 ft
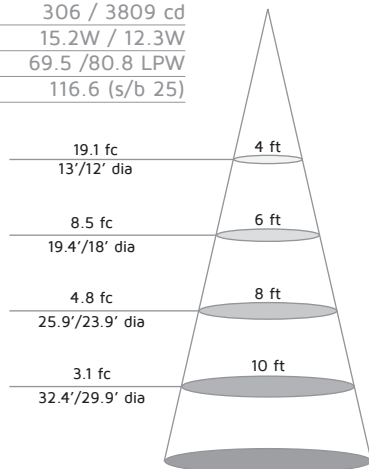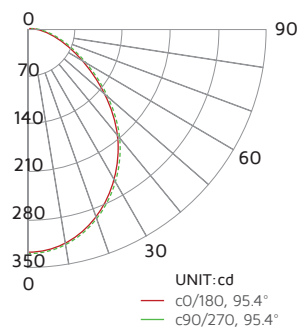
Specifications

Series	BR40
Input voltage	120V AC, 60Hz
Color temperature	2700K / 4000K
CRI	90+
Wattage	16W
Lumens	950Lm / 1100Lm
Beam angle	110°
Dimming	Yes
Lens	White acrylic
Rating	c/ETL/us for indoor locations*
Dimensions	4-13/16"W x 6-5/16"H
Base	Medium (E26) base
Rated life	25,000 hrs

*Not for use in enclosed fixtures

CR90 BR40s

2790-16BR40
BR40 110° (2700K)
16W / 950Lm / E26
75W equivalent

4090-16BR40
BR40 110° (4000K)
16W / 1100Lm / E26
85W equivalent

Fluorescent Retrofits

Now available in ballast bypass for T8/T12 retrofit and direct fluorescent replacement with no rewiring required for F32T8s with Instant Start ballasts. Choose from two performance levels and two color temperatures for each type. Four foot LED T8s also have the benefit of quick start (no warm up time) without the flicker, hum or ultra violet rays associated with fluorescent T8s.

FAST FIT PRO2 T8

LED Fast Fits are direct replacements for fluorescent T8 lamps that have Instant Start (IS) ballasts. Consuming only 20.4W, they save 36% compared to 32W fluorescent T8s.

Performance
• No ballast bypass or fixture re-wiring required
• Efficient PRO2s produce over 100 lumens per watt
• Instant on with no warm-up time
• Available in 4100K and 5000K with 80+ CRI
• DLC and c/ETL/us Listed, RoHS compliant
• 50,000 hours rated life

Construction
• Full length aluminum heat sink
• Full length acrylic lens diffuses light

Installation
• Designed for use with four foot fixtures
• Compatible with most Instant Start ballasts
• Fast Fits can still be used in the event of a ballast failure
  (re-wiring will then be required)

Photometrics

FFT8-4841-PRO2

Luminous flux	*2041Lm
Maximum intensity	*1459cd
Input wattage	20.4W
Lumers per watt	*100 LPW
Beam angle	103.4°

UNIT:cd
— c0/180, 94.0°
— c90/270, 103.4°
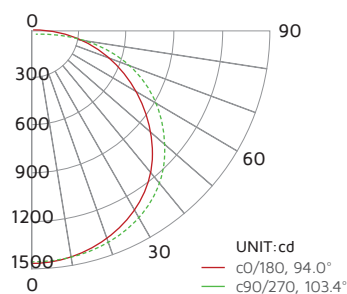
*For FFT8-4850-PRO2, multiply by 1.041

Data above represents light output tested with a normal ballast factor (0.88) ballast. For low ballast factor (0.78) ballasts, multiply by .8, for high ballast factor (1.18) ballasts, multiply by 1.15.

Specifications

Series	FFT8 PRO2
Input voltage	100-277V AC, 50-60Hz
Color temperature	4100K / 5000K
CRI	80+
Wattage	20.4W
Lumens	2041Lm / 2124Lm
Beam angle	103.4°
Dimming	Non-dimming
Lens	White acrylic lens
Rating	c/ETL/us, DLC, RoHS
Mounting	Use with IS ballasts
LED type	96 x SMD 2835 LEDs
Rated life	50,000 hrs

Fast Fit PRO2

FFT8-4841-PRO2
LED Fast Fit PRO2 T8
4100K / 20.4W / 2041Lm

FFT8-4850-PRO2
LED Fast Fit PRO2 T8
5000K / 20.4W / 2124Lm

FAST FIT PRO3 T8

PRO3 Fast Fits are direct replacements for fluorescent T8 lamps that have Instant Start (IS) ballasts. They save 35% in running costs over fluorescent T8s (20.9W versus 32W).

Performance
• No ballast bypass or fixture re-wiring required
• Highly efficient PRO3s produce over 110 lumens per watt
• Instant on with no warm-up time
• Available in 4100K and 5000K with 80+ CRI
• DLC and c/ETL/us Listed, RoHS compliant
• 50,000 hours rated life

Construction
• Full length aluminum heat sink
• Full length acrylic lens diffuses light

Installation
• Designed for use with four foot fixtures
• Compatible with most Instant Start ballasts
• Fast Fits can still be used in the event of a ballast failure
  (re-wiring will then be required)

Photometrics

FFT8-4841-PRO3

Luminous flux	*2326Lm
Maximum intensity	*1648cd
Input wattage	20.9W
Lumers per watt	*111 LPW
Beam angle	101.0°

UNIT:cd
— c0/180, 94.1°
— c90/270, 101.0°
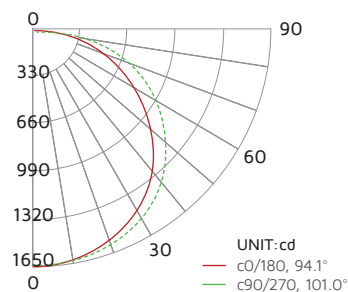
*For FFT8-4850-PRO3, multiply by 1.031

Data above represents light output tested with a normal ballast factor (0.88) ballast. For low ballast factor (0.78) ballasts, multiply by .8, for high ballast factor (1.18) ballasts, multiply by 1.15).

Specifications

Series	FFT8 PRO3
Input voltage	100-277V AC, 50-60Hz
Color temperature	4100K / 5000K
CRI	80+
Wattage	20.9W
Lumens	2326Lm / 2399Lm
Beam angle	101°
Dimming	Non-dimming
Lens	White acrylic lens
Rating	c/ETL/us, DLC, RoHS
Mounting	Use with IS ballasts
LED type	120 x SMD 2835 LEDs
Rated life	50,000 hrs

Fast Fit PRO3

FFT8-4841-PRO3
LED Fast Fit PRO3 T8
4100K / 20.9W / 2326Lm

FFT8-4850-PRO3
LED Fast Fit PRO3 T8
5000K / 20.9W / 2399Lm

PRO2 T8

Pro2 T8s replace fluorescent T8/T12 lamps, saving up to 44% and eliminating ballast life issues (ballast bypass and socket replacement are required).

Performance
• Eliminate ballast maintenance (bypass required)
• Instant on with no warm-up time
• Choose from 4100K and 5000K with 80+ CRI
• DLC and ETL Listed, RoHS compliant
• 50,000 hours rated life
• Sold in cases of six only

Construction
• Full length aluminum heat sink
• Full length acrylic lens diffuses light
• Cases includes six non-shunted tombstones

Installation
• Designed for use with four foot fixtures
• Ballast must be bypassed and non-shunted tombstone installed at the live end (one per tube)

Photometrics

FFT8-4841-PRO2

Luminous flux	1760Lm
Maximum intensity	1285cd
Input wattage	17.4W
Lumers per watt	101 LPW
Beam angle	104.6°

UNIT:cd
— c0/180, 94.8°
— c90/270, 104.6°
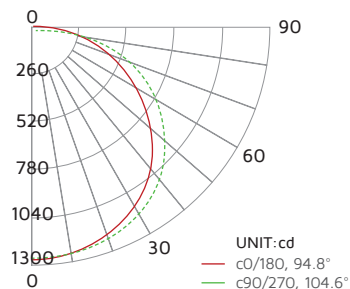
Specifications

Series	LT8 PRO2
Input voltage	100-277V AC, 50-60Hz
Color temperature	4100K / 5000K
CRI	83+ / 81+
Wattage	17.4W / 17.7W
Lumens	1760Lm / 1780Lm
Beam angle	104.6°
Dimming	Non-dimming
Lens	White acrylic
Rating	c/ETL/us, DLC, RoHS
Mounting	Non-shunted sockets at live end
LED type	132 x SMD 2835 LEDs
Rated life	50,000 hrs

LED PRO2 T8

LT8-4841-PRO2
LED PRO2 T8
4100K / 17.4W / 1760Lm

LT8-4850-PRO2
LED PRO2 T8
5000K / 17.7W / 1780Lm

PRO3 T8

Pro3 T8s replace fluorescent T8/T12 lamps, saving up to 37% and eliminating ballast life issues (ballast bypass and socket replacement are required).

Performance
• Eliminate ballast maintenance (bypass required)
• Instant on with no warm-up time
• Choose from 4100K and 5000K with 83+ CRI
• DLC and ETL Listed, RoHS compliant
• 50,000 hours rated life
• Sold in cases of six only

Construction
• Full length aluminum heat sink
• Full length acrylic lens diffuses light
• Cases includes six non-shunted tombstones

Installation
• Designed for use with four foot fixtures
• Ballast must be bypassed and non-shunted tombstone installed at the live end (one per tube)

Photometrics

LT8-4841-PRO3

Luminous flux	2225Lm
Maximum intensity	1419 cd
Input wattage	19.7W
Lumers per watt	112 LPW
Beam angle	120°

UNIT:cd
— c0/180, 96.8°
— c90/270, 107.6°
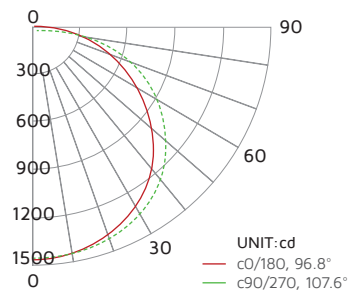
Specifications

Series	LT8 PRO3
Input voltage	100-277V AC, 50-60Hz
Color temperature	4100K / 5000K
CRI	83+
Wattage	19.7W / 20W
Lumens	2225Lm / 2340Lm
Beam angle	107.6°
Dimming	Non-dimming
Lens	White acrylic
Rating	c/ETL/us, DLC, RoHS
Mounting	Non-shunted sockets at live end
LED type	132 x SMD 2835 LEDs
Rated life	50,000 hrs

LED PRO3 T8

LT8-4841-PRO3
LED PRO3 T8
4100K / 19.7W / 2225Lm

LT8-4850-PRO3
LED PRO3 T8
5000K / 20W / 2340Lm

More Styles, More Options

A decorative, fully regressed LED module and trim package combination, available in multiple sizes with an assortment of finishes. Choose a color temperature among three options, then a downlight size, then add a trim package. Smooth multipliers amplify the light and reduce aperture brightness. For a more traditional look, baffle trim packages also provide glare-free lighting and designer finishes.

X56 Interchangeable ETL p.86-87
- 9.5-9.8W
- 2700K, 3000K or 4000K
- 648, 702, or 741 lumens
- Available in 5" and 6" trim
- Dimmable
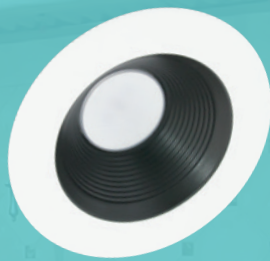
X45 Interchangeable ETL p.88-89
- 8.8-9.3W
- 2700K, 3000K or 4000K
- 646, 686, or 770 lumens
- Available in 4" and 5" trim
- Dimmable

X34 Interchangeable ETL p.90-91
- 7.4W
- 2700K, 3000K or 4000K
- 477, 499, or 503 lumens
- Available in 3" and 4" trim
- Exclusively made for AL3 / AL4 ICAT housings
- Dimmable with most wall dimmers
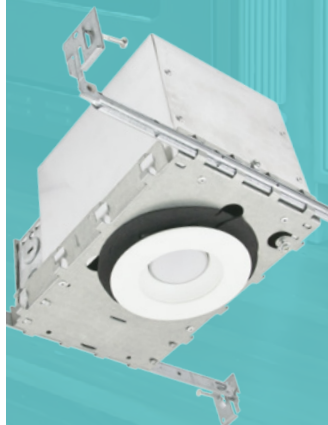
ICAT Housings ETL p.92-93
- IC-rated airtight aluminum housing
- 35W or 50W maximum run for non-LED
- AL3 exclusively made for X34-X3 downlight
- AL4 is compatible with most 4" LED retrofits
- Available in 3" and 4" housings

INTERCHANGEABLE SERIES

X56 INTERCHANGEABLE

High performance LED modules compatible with a variety of sleek trim designs that are sold separately to optimize inventory allocation. The perfect combination of performance and customization.

Performance
• The X56 series includes LED modules in three color temperatures (2700K, 3000K and 4000K) and 26 choices of corresponding trim packages (X5 for 5" cans and X6 for 6" cans)
• Dimmable with most standard incandescent (triac) and low voltage magnetic (MLV) dimmers for 10-100% light control
• Long life LEDs last up to 35,000 hours, 23 times longer than incandescent lamps rated at 1,500 hours
• cETLus Listed for wet locations

Construction
• Acrylic lens diffuses LED light and has no exposed fasteners
• Aluminum heat sink fins keep LEDs cool
• Affixed steel torsion clips and springs secure assembly flush with ceiling
• Spun aluminum baffles and multipliers attach without tools

Installation
• Fits most 6" cans (field adjustable to fit most 5" cans), 5-1/4" minimum clearance needed inside can
• Torsion clips available for cans without 'bullhorns'

Photometrics

X56-E26-30

Luminous flux	710Lm
Maximum intensity	311 cd
Input wattage	9.7W
Lumers per watt	73 LPW
Beam angle	93.8°

UNIT:cd
— c0/180, 93.6°
— c90/270, 94°

19.5 fc 8.5' dia	4 ft
8.6 fc 12.8' dia	6 ft
4.9 fc 17.1' dia	8 ft
3.1 fc 21.4' dia	10 ft

Specifications

Series	X56
Input voltage	120V AC, 60Hz
Color temperature	2700K / 3000K / 4000K
Module Lumens	648 / 702 / 741
CRI	82+
Wattage	9.5W / 9.5W /9.8W
Beam angle	93.8°
Dimming	Triac or MLV dimmers
Housing	Aluminum
Lens	Acrylic
Rating	cETLus Listed for wet locations
Dimensions	6-1/2"Dia. x 5-1/4"H (X5 + X56)
	7-1/2"Dia. x 5-1/4"H (X6 + X56)
Mounting	Recessed
LED type	27 x SMD 2323 LEDs
Rated life	35,000 hrs

X56 Interchangeable Accessories

AL-GU24
GU24 adaptor, required for Title 24 compliance

X6-TORCLIPS (pair)
Torsion mounting brackets for 6" non-bullhorn housings

X56 Light Modules
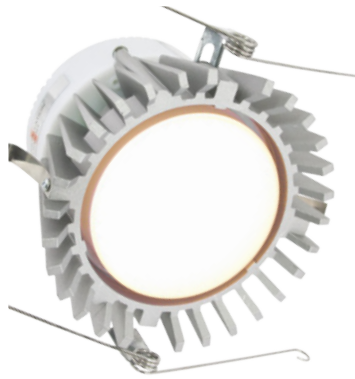
X56-E26-27
Ultra Warm White (2700K)
9.5W / 648Lm
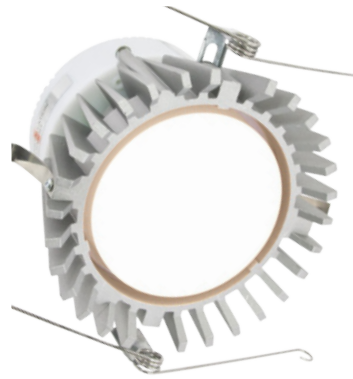
X56-E26-30
Warm White (3000K)
9.5W / 702Lm
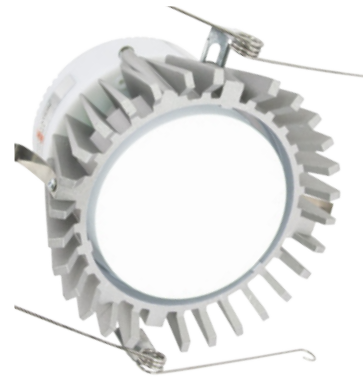
X56-E26-40
Bright White (4000K)
9.8W / 741Lm

X56 Trim Packages – X5 for 5" cans, X6 for 6" cans

X5-WHM-WH-X56
X6-WHM-WH-X56
White Multiplier
White Trim
X5 - 613Lm
X6 - 632Lm

X5-WHB-WH-X56
X6-WHB-WH-X56
White Baffle
White Trim
X5 - 601Lm
X6 - 626Lm

X5-BKM-WH-X56
X6-BKM-WH-X56
Black Multiplier
White Trim
X5 - 510Lm
X6 - 531Lm

X5-BKB-WH-X56
X6-BKB-WH-X56
Black Baffle
White Trim
X5 - 422Lm
X6 - 435Lm

X5-WHM-AL-X56
X6-WHM-AL-X56
White Multiplier
Aluminum Trim
X5 - 613Lm
X6 - 632Lm

X5-WHB-AL-X56
X6-WHB-AL-X56
White Baffle
Aluminum Trim
X5 - 601Lm
X6 - 626Lm

X5-ALB-AL-X56
X6-ALB-AL-X56
Aluminum Baffle
Aluminum Trim
X5 - 576Lm
X6 - 594Lm

X5-BKM-AL-X56
X6-BKM-AL-X56
Black Multiplier
Aluminum Trim
X5 - 510Lm
X6 - 531Lm

X5-BKB-AL-X56
X6-BKB-AL-X56
Black Baffle
Aluminum Trim
X5 - 422Lm
X6 - 435Lm

X5-SPM-DB-X56
X6-SPM-DB-X56
Satin Pearl Multiplier
Dark Bronze Trim
X5 - 596Lm
X6 - 612Lm

X5-DBB-DB-X56
X6-DBB-DB-X56
Dark Bronze Baffle
Dark Bronze Trim
X5 - 572Lm
X6 - 590Lm

X5-BKB-DB-X56
X6-BKB-DB-X56
Black Baffle
Dark Bronze Trim
X5 - 422Lm
X6 - 435Lm

X45 INTERCHANGEABLE

High performance LED modules with sleek trim packages, sold separately to optimize inventory allocation. The perfect combination of performance and inspirational designer finishes.

Performance
- The X45 series includes LED modules in three color temperatures (2700K, 3000K and 4000K) and twelve choices of corresponding trim packages (X4 for 4" cans and X5 for 5" cans)
- Dimmable with most standard incandescent (triac) and low voltage magnetic (MLV) dimmers for 10-100% light control
- Long life LEDs last up to 35,000 hours, 23 times longer than incandescent lamps rated at 1,500 hours
- cETLus Listed for wet locations

Construction
- Acrylic lens diffuses LED light and has no exposed fasteners
- Aluminum heat sink fins keep LEDs cool
- Affixed steel torsion springs secure assembly flush with ceiling
- Spun aluminum baffles and multipliers attach without tools

Installation
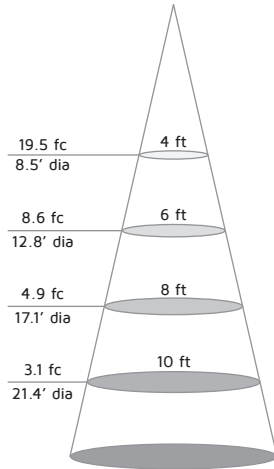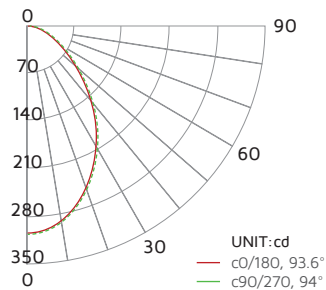- Fits most 4" and 5" cans (field adjustable), 5" minimum clearance needed inside can
- X45 with X4 trim kit is compatible with AL4-ICAT housing

Photometrics

X45-E26-30

Luminous flux	686Lm
Maximum intensity	301 cd
Input wattage	8.8W
Lumens per watt	78 LPW
Beam angle	93.3°

UNIT:cd
c0/180, 93.2°
c90/270, 93.4°

18.9 fc	4 ft
8.5' dia	
8.4 fc	6 ft
12.7' dia	
4.7 fc	8 ft
16.9' dia	
3.0 fc	10 ft
21.2' dia	

Specifications

Series	X45
Input voltage	120V AC, 60Hz
Color temperature	2700K / 3000K / 4000K
CRI	80+
Wattage	8.8W / 8.8W / 9.3W
Module Lumens	646Lm / 686Lm / 770Lm
Beam angle	93.3°
Dimming	Triac or MLV dimmers
Housing	Aluminum
Lens	Acrylic
Rating	cETLus Listed for wet locations
Dimensions	5"Dia. x 3"H (X4 + X45)
	6-1/2"Dia. x 3 5/8"H (X5 + X45)
Mounting	Recessed
LED type	24 x SMD 2323 LEDs
Rated life	35,000 hrs

X45 Interchangeable Accessories

AL-GU24
GU24 adaptor, required for Title 24 compliance

X45 Light Modules
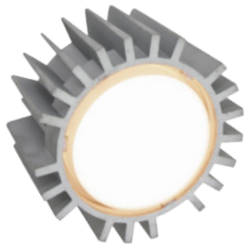
X45-E26-27
Ultra Warm White (2700K)
8.8W / 646Lm
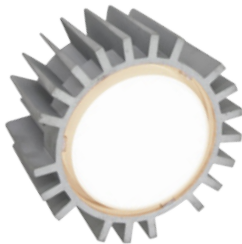
X45-E26-30
Warm White (3000K)
8.8W / 686Lm
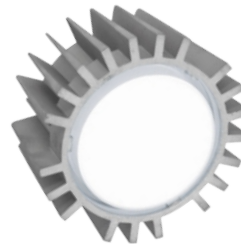
X45-E26-40
Bright White (4000K)
9.3W / 770Lm

X4 Trim Packages – for 4" cans

X4-WHM-WH-X45
White Multiplier
White Trim
599Lm

X4-WHB-WH-X45
White Baffle
White Trim
592Lm

X4-BKM-WH-X45
Black Multiplier
White Trim
549Lm

X4-BKB-WH-X45
Black Baffle
White Trim
430Lm

X4-ALB-AL-X45
Aluminum Baffle
Aluminum Trim
559Lm

X4-DBB-DB-X45
Dark Bronze Baffle
Dark Bronze Trim
466Lm

X5 Trim Packages – for 5" cans

X5-WHM-WH-X45
White Multiplier
White Trim
614Lm

X5-WHB-WH-X45
White Baffle
White Trim
610Lm

X5-BKM-WH-X45
Black Multiplier
White Trim
549Lm

X5-BKB-WH-X45
Black Baffle
White Trim
486Lm

X5-ALB-AL-X45
Aluminum Baffle
Aluminum Trim
576Lm

X5-DBB-DB-X45
Dark Bronze Baffle
Dark Bronze Trim
545Lm

X34 INTERCHANGEABLE

Versatile and performance driven LED modules compatible with a variety of sleek trim designs that are sold separately to optimize inventory allocation. Use with AL3-ICAT on page 92.

Performance
• The unique X34 series includes LED modules in three color temperatures (2700K, 3000K and 4000K) and eight choices of corresponding trim packages (X3 for 3" cans and X4 for 4" cans)
• Dimmable with most standard incandescent (triac) and low voltage magnetic (MLV) dimmers for 10-100% light control
• Long life LEDs last up to 35,000 hours, 23 times longer than incandescent lamps rated at 1,500 hours
• cETLus Listed for wet locations

Construction
• Acrylic lens diffuses LED light and has no exposed fasteners
• Aluminum heat sink fins keep LEDs cool
• Affixed steel torsion springs secure assembly flush with ceiling
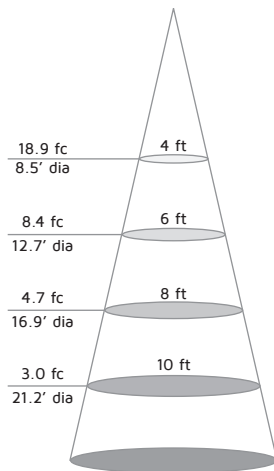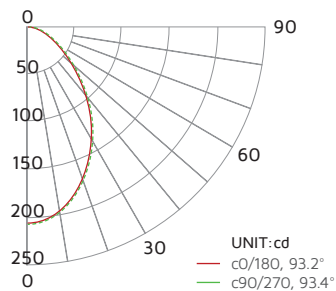• Spun aluminum baffles and multipliers attach without tools

Installation
• X34 with X3 trim kit is designed for use with AL3-ICAT
• X34 with X4 trim kit is compatible with AL4-ICAT housing and most 4" recessed cans

Photometrics

X34-E26-30

Luminous flux	500Lm
Maximum intensity	216 cd
Input wattage	7.4W
Lumers per watt	67 LPW
Beam angle	93.3°

UNIT:cd
— c0/180, 92.8°
— c90/270, 93.8°

13.5 fc / 8.5' dia	4 ft
6 fc / 12.7' dia	6 ft
3.4 fc / 16.9' dia	8 ft
2.2 fc / 21.2' dia	10 ft
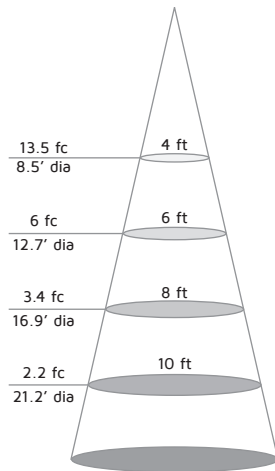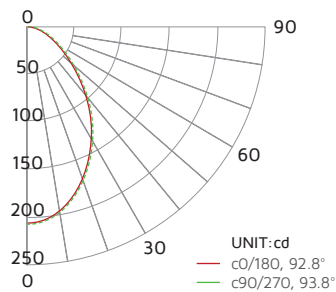
Specifications

|	
Series	X34
Input voltage	120V AC, 60Hz
Color temperature	2700K / 3000K / 4000K
CRI	82+
Wattage	7.4W
Module Lumens	477Lm / 499Lm / 503Lm
Beam angle	93.3°
Dimming	Triac or MLV dimmers
Housing	Aluminum
Lens	Frosted polycarbonate
Rating	cETLus Listed for wet locations
Dimensions	3-15/16"Dia. x 3"H (X3 + X34)
	5"Dia. x 2-3/4"H (X4 + X34)
Mounting	Recessed
LED type	19 x SMD 2323 LEDs
Rated life	35,000 hrs

X34 Interchangeable Accessories

AL-GU24
GU24 adaptor, required for
Title 24 compliance

X34 Light Modules
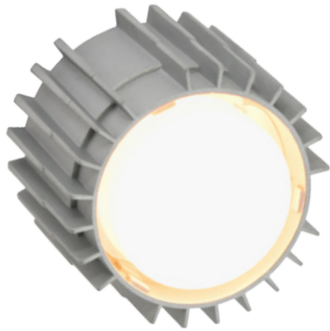
X34-E26-27
Ultra Warm White (2700K)
7.4W / 477Lm
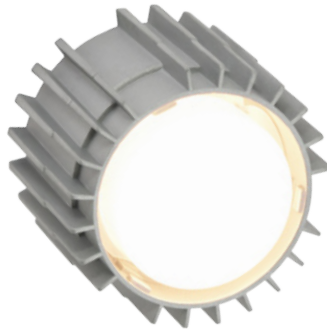
X34-E26-30
Warm White (3000K)
7.4W / 499Lm

X34-E26-40
Bright White (4000K)
7.4W / 503Lm

X3 Trim Packages - for 3" cans

X3-WHM-WH-X34
White Multiplier
White Trim
447Lm

X3-BKM-WH-X34
Black Multiplier
White Trim
379Lm

X3-ALM-AL-X34
Aluminum Multiplier
Aluminum Trim
411Lm

X3-DBM-DB-X34
Dark Bronze Multiplier
Dark Bronze Trim
383Lm

X34 light modules with X3 trim packages are compatible with AL3-ICAT (see page 92)

X4 Trim Packages - for 4" cans

X4-WHM-WH-X34
White Multiplier
White Trim
471Lm

X4-BKM-WH-X34
Black Multiplier
White Trim
416Lm

X4-ALM-AL-X34
Aluminum Multiplier
Aluminum Trim
428Lm

X4-DBM-DB-X34
Dark Bronze Multiplier
Dark Bronze Trim
417Lm

X34 light modules with X4 trim packages are compatible with AL4-ICAT (see page 93)

3" AL3-ICAT

Airtight IC rated economy recessed housing made exclusively for American Lighting's X34 Interchangeable Series when used with 3" trim packages. Featuring adjustable nail bar hangers with built-in T bar clips and parallel junction box for easy installation.

Performance
• Made exclusively for American Lighting X34 interchangeable series with 3" (X3) trim kits
• IC rated for direct contact with insulation
• Parallel junction box for easy installation
• 35 watt maximum for non-LED trim kits
• c/ETL/us listed

Construction
• Airtight aluminum housing
• Nail bar hangers with built-in T bar clips
• 24" adjustable span with parallel junction box
• 5.45" overall height

Installation
• New construction with easy nail-in bar hangers
• Remodel housing for tile ceiling installations
• "Direct-snap" to mating X34 light modules
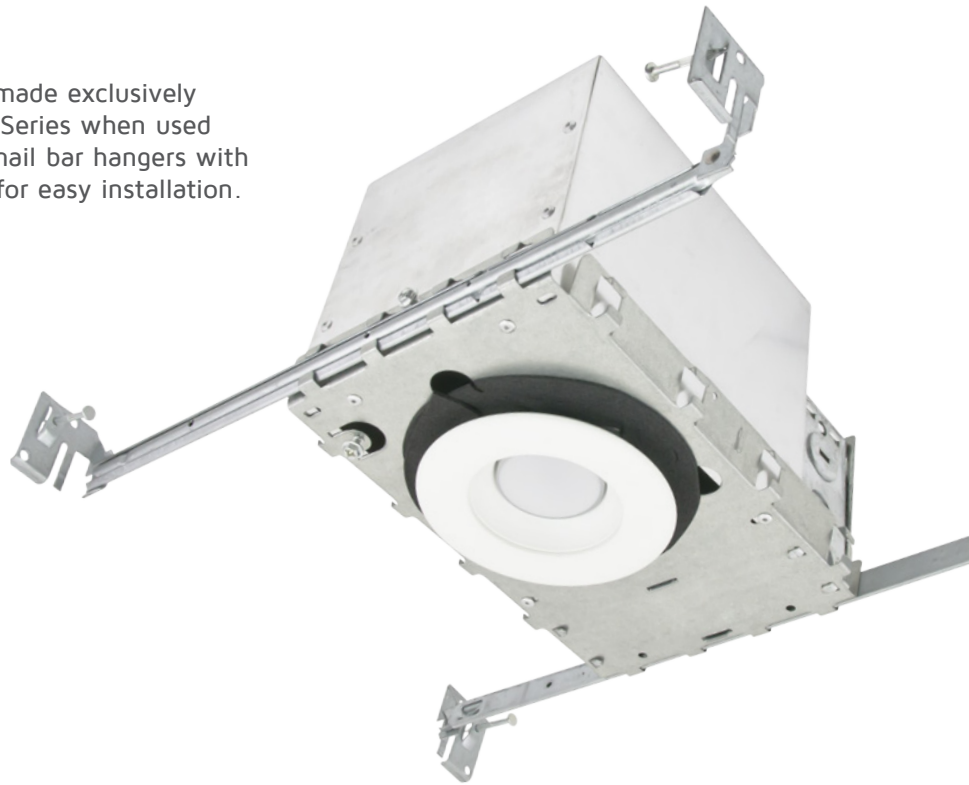
Direct snap
power connector

Specifications

Series	AL3-ICAT
Input voltage	120V AC, 60Hz
Wattage	35W max (non-LED)
Housing	Airtight aluminum
Rating	c/ETL/us Listed, Type IC
Dimensions	3"Dia. (inner) x 5.45"H
Mounting	New construction / remodel*

*When installed in tile ceilings

AL3-ICAT
3" recessed housing with "direct-snap" power connector for X34 modules with X3 trim kits
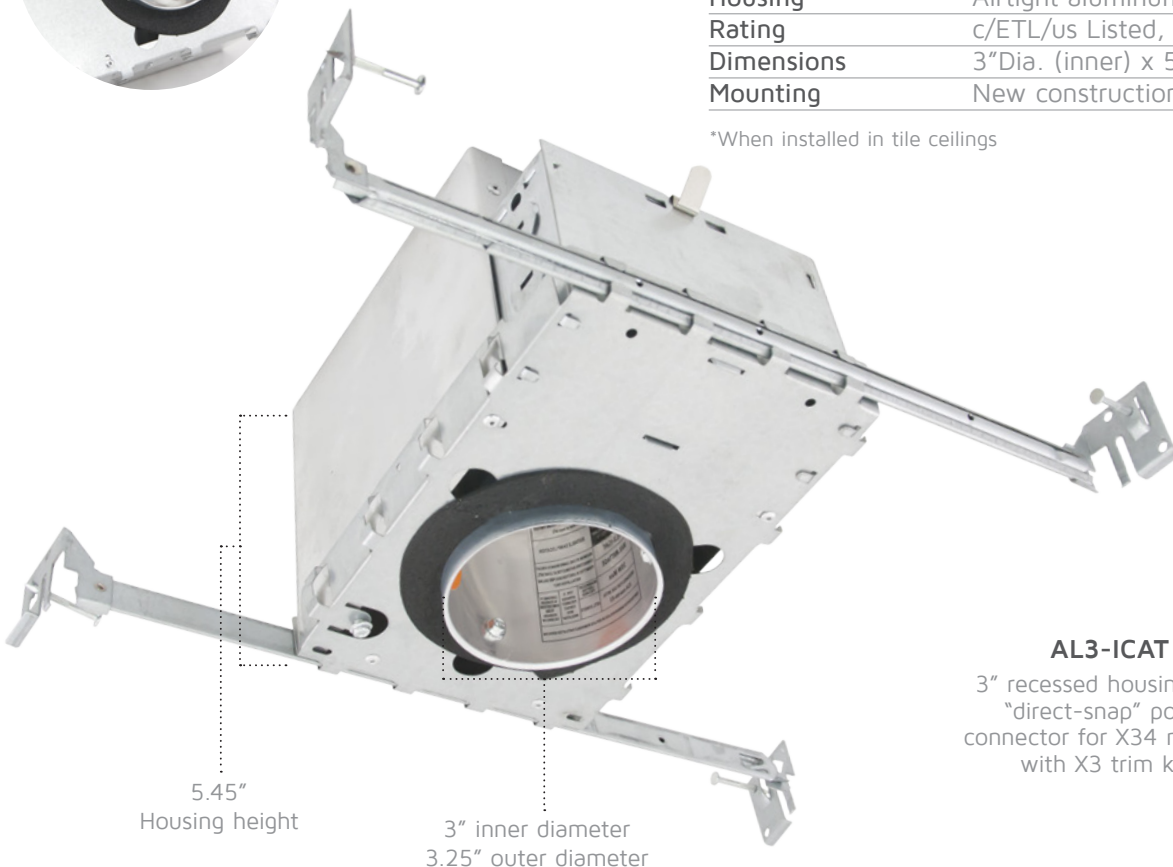
5.45"
Housing height

3" inner diameter
3.25" outer diameter

4" AL4-ICAT

4" Universal Airtight IC rated economy recessed housing for use with American Lighting's 4" retrofit downlights and LED PAR lamps in 4" trim kits. Featuring adjustable nail bar hangers with built-in T-bar clips and parallel junction box for easy installation.

Performance
• IC rated for direct contact with insulation
• Compatible with multiple American Lighting 4" retrofit downlights
• Parallel junction box for easy installation
• 50 watt maximum for non-LED trim kits
• c/ETL/us listed

Construction
• Airtight aluminum housing
• Nail bar hangers with built-in T bar clips
• Adjustable depth E26 base socket
• 24" adjustable span with parallel junction box
• 5.45" overall height

Installation
• New construction with easy nail bar installation
• Remodel housing for tile ceilings installation

Adjustable depth E26 base socket

Specifications

Series	AL4-ICAT
Input voltage	120V AC, 60Hz
Wattage	50W max (non-LED)
Housing	Airtight aluminum
Rating	c/ETL/us Listed, Type IC
Dimensions	4"Dia. (inner) x 5.45"H
Mounting	New construction / remodel*

*When installed in tile ceilings
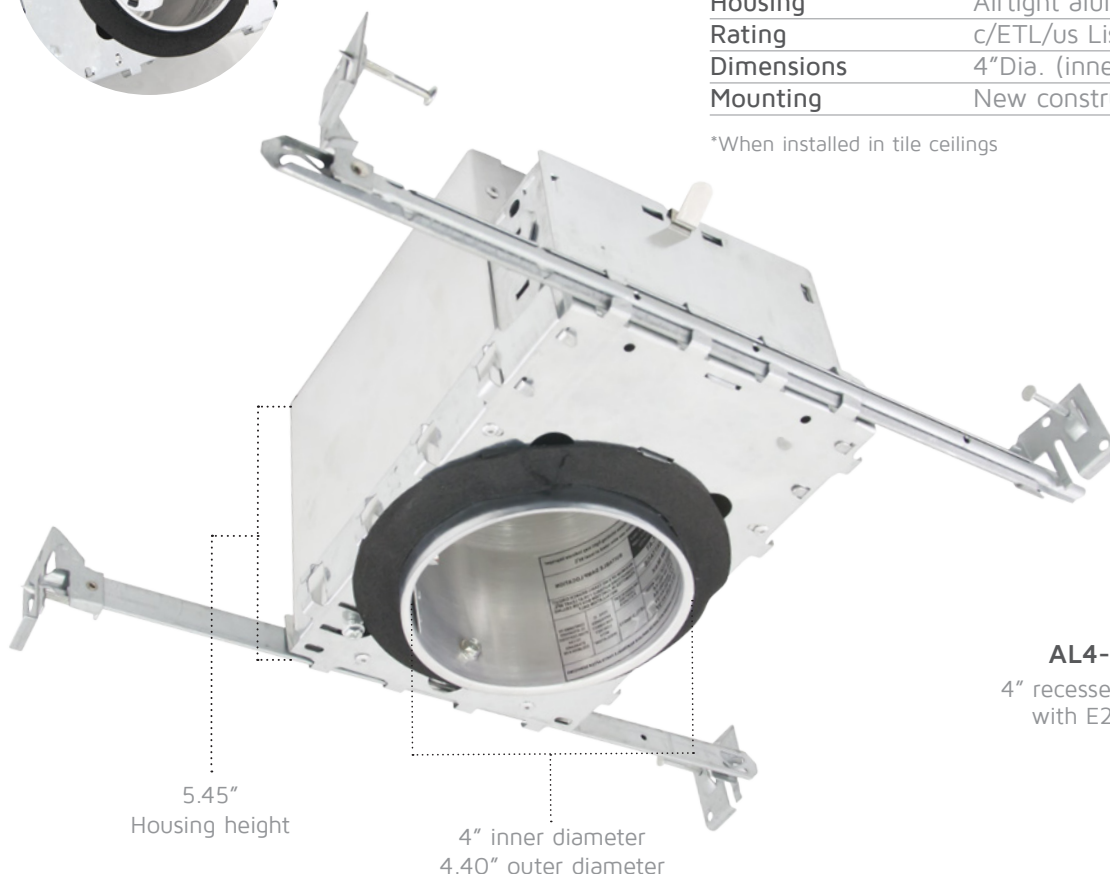
AL4-ICAT
4" recessed housing with E26 base

5.45"
Housing height

4" inner diameter
4.40" outer diameter

Variety / Economy / Versatility

Budget friendly doesn't have to mean limited options. Choose from high CRI swivels in two finishes, fully regressed economical solutions for 4", 5" and 6" cans, or the full line of EP downlights with different color temperature and finish options.

The popular new Satellite Series retrofits adapt to various sizes of recessed cans or can be installed like a flush mount to a 4" j-box.

6" Swivel   p.96

- 14.2W
- 3000K
- 850 lumens
- 6" eyeball and gimbal retrofit
- White, and Dark Bronze finishes
- Dimmable

5"/6" Economy   p.97

- 14.2W
- 3000K
- 850 lumens
- Pre-set for 6" cans, adjustable for 5" cans
- Dimmable

4" Economy   p.98

- 9.8W
- 3000K
- 550 lumens
- 4" downlight retrofit
- Dimmable

E-PRO Series   p.99-103

- 6 to 13W
- 2700K, 3000K and 4000K
- 340 to 1125 lumens
- 3" to 6" downlight retrofits
- White, Dark Bronze, and Brushed Steel finishes
- Dimmable

Satellite Disc Lights   p.104-105

- 9.2 / 12.1W
- 3000K
- 650 / 800 lumens
- 3"-4" / 4"-5"-6" downlight retrofit or use with standard 4" junction box
- Dimmable

6" ECONOMY SWIVEL

Direct LED replacement for 6" conventional recessed eyeballs or gimbals save 78% in energy costs – 14 watt LED versus 65 watt 65BR30 – and eliminate multiple lamp replacements over its 35,000 hour rated life.

Performance
- Warm White (3000K) LED light with 90+ CRI
- Full 360° swivel along continuous gimbal track
- Dimmable with most standard incandescent (triac) and low voltage electronic (ELV) dimmers for 10-100% light control
- Eliminate up to 14 lamps replacements - long life SMD LEDs last up to 35,000 hours, compared to incandescent lamps with a rated life of 2,500 hours
- cETLus Listed for damp locations

Construction
- Die-cast aluminum heat sink and trim ring are held securely to ceiling with steel torsion springs
- Gimbal retaining clips securely hold tilt angle (±15°)
- Acrylic lens and integrated baffle with regression diffuse light

Installation
- Fits most standard 6" recessed cans
- Requires 3-1/4" clearance inside can to socket
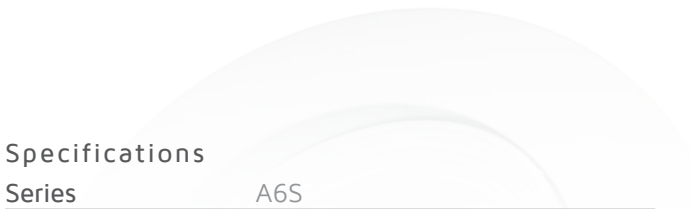
Photometrics

A6S-E26-30-WH

Luminous flux	873Lm
Maximum intensity	876 cd
Input wattage	14.2W
Lumers per watt	61 LPW
Beam angle	84.8°

UNIT:cd
— c0/180, 84.7°
— c90/270, 84.8°

fc	distance	dia
54.7 fc	4 ft	3.6' dia
24.3 fc	6 ft	5.5' dia
13.9 fc	8 ft	7.3' dia
8.7 fc	10 ft	9.1' dia
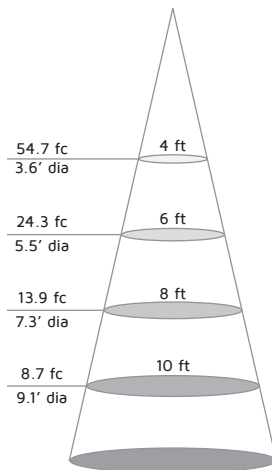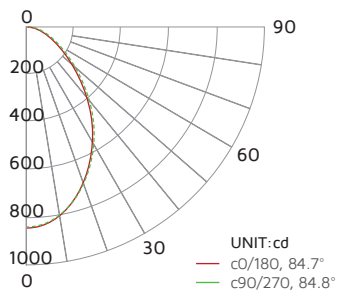
Specifications

Series	A6S
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	90+
Wattage	14W
Lumens	825Lm / 850Lm
Beam angle	85°
Dimming	Most triac and ELV dimmers
Housing	Aluminum heat sink and trim
Lens	White acrylic
Rating	cETLus Listed for damp locations
Dimensions	7-1/2"Dia. x 3"H
Mounting	Recessed
LED type	18 x SMD 5630 LEDs
Rated life	35,000 hrs

Swivel Downlight
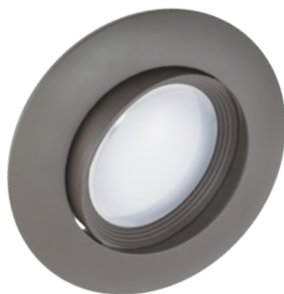
A6S-E26-30-DB
Dark Bronze Economy Swivel
3000K / 14W / 825Lm

A6S-E26-30-WH
White Economy Swivel
3000K / 14W / 850Lm

A4 ECONOMY

Direct LED replacement for 4" conventional recessed lighting saving 85% in energy costs – 9 watt LED versus 60 watt incandescent – and eliminating multiple lamp replacements over its 35,000 hour rated life.

Performance
• Warm White (3000K) LED light with 81+ CRI
• Dimmable with most standard incandescent (triac) and low voltage magnetic (MLV) dimmers for 5-100% light control
• Eliminate up to 14 lamps replacements - long life SMD 2323 LEDs last up to 35,000 hours, compared to incandescent lamps with a rated life of 2,500 hours
• Type IC and cULus Classified for use in wet locations

Construction
• Aluminum heat sink sealed in durable plastic housing
• Attached steel torsion clips secure downlight in place
• Acrylic lens with regression diffuses light

Installation
• Fits most standard 4" recessed cans - type IC certified for direct contact with insulation
• Requires 5-1/2" clearance inside 4" cans
• Compatible with AL4-ICAT airtight Type IC housing

Photometrics

A4-E26-30-WH

Luminous flux	550Lm
Maximum intensity	235 cd
Input wattage	9W
Lumers per watt	61 LPW
Beam angle	93.7°

UNIT:cd
— c0/180, 93.6°
— c90/270, 93.8°

21.6 fc	4 ft
8.5' dia	
9.6 fc	6 ft
12.7' dia	
5.4 fc	8 ft
16.9' dia	
3.5 fc	10 ft
21.2' dia	
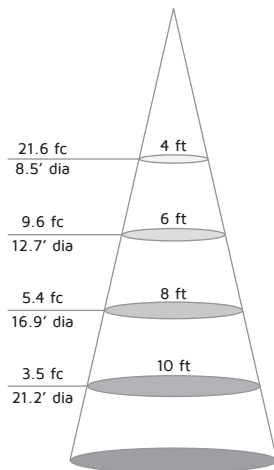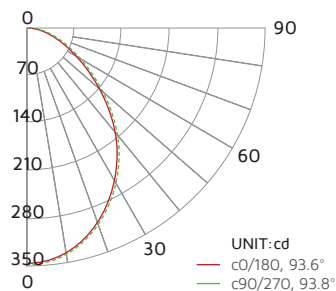
Specifications

Series	A4
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	81+
Wattage	9W
Lumens	550Lm
Beam angle	93.8°
Dimming	Most triac and MLV dimmers
Housing	Aluminum trim, plastic housing
Lens	White acrylic
Rating	cETLus Listed for wet locations
Dimensions	5"Dia. x 3-3/8"H
Mounting	Recessed
LED type	11 x SMD 5630 LEDs
Rated life	35,000 hrs

A4 Economy Downlight

AL-GU24
GU24 adaptor, required for Title 24 compliance

A4-E26-30-WH
A4 Economy Downlight - White 3000K / 9W / 550Lm

AL4-ICAT
4" 120V recessed housing for new construction, Type IC, airtight

E-PRO 5 ⓔ

Direct LED replacement for 5" conventional recessed lighting saving 85% in energy costs – 9.6 watt LED versus 65 watt 65BR30 – and eliminating multiple lamp replacements over its rated life.

Performance
• Three finishes available for use with most 5" recessed cans
• Dimmable with most standard incandescent (triac) and low voltage electronic (ELV) dimmers for 5-100% light control
• Eliminate up to 14 lamps replacements - long life SMD LEDs last up to 35,000 hours, compared to incandescent lamps with a rated life of 2,500 hours
• Suitable for use in damp locations

Construction
• Aluminum heat sink sealed in heavy duty plastic housing
• Aluminum trim ring with durable powder coat finish
• Polycarbonate lens diffuses light

Installation
• Fits most standard 5" recessed cans
• Requires 4" clearance inside 5" cans

Photometrics

EP5-E26-30-WH

Luminous flux	700Lm
Maximum intensity	327 cd
Input wattage	9.6W
Lumers per watt	72 LPW
Beam angle	95.4°

UNIT:cd
c0/180, 95.4°
c90/270, 95.4°

20.4 fc / 8.8' dia	4 ft
9.1 fc / 13.2' dia	6 ft
5.1 fc / 17.6' dia	8 ft
3.3 fc / 22' dia	10 ft
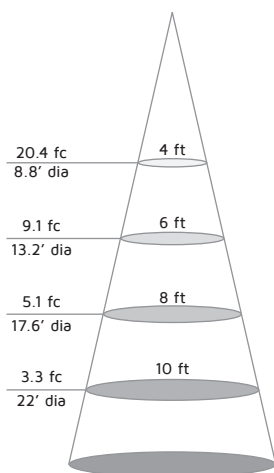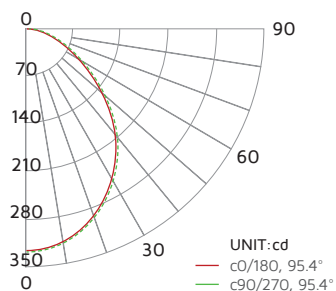
Specifications

Series	EP5
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	81+
Wattage	9.6W
Lumens	See individual product
Beam angle	95.4°
Dimming	Most triac and ELV dimmers
Housing	Aluminum
Lens	Frosted polycarbonate
Rating	cETLus Listed, damp locations
Dimensions	6-1/2"Dia. x 3-1/2"H
Mounting	Recessed
LED type	22 x SMD 2323 LEDs
Rated life	35,000 hrs

EP5 Downlight

EP5-E26-30-DB
EP5 - Dark Bronze (3000K)
9.6W / 630Lm

EP5-E26-30-BS
EP5 - Brushed Steel (3000K)
9.6W / 665Lm

EP5-E26-30-WH
EP5 - White (3000K)
9.6W / 700Lm

AL-GU24 GU24 adaptor, sold separately for Title 24 compliance

E-PRO 4

_{ETL} us
Intertek

Direct LED replacement for 4" recessed incandescent. Save 85% in energy costs – 7.6 watt LED versus 50 watt 50R20 – and eliminate multiple lamp replacements over the 35,000 hour rated life.

Performance
• Three finishes available for use with most 4" recessed cans
• Dimmable with most standard incandescent (triac) and low voltage electronic (ELV) dimmers for 5-100% light control
• Eliminate up to 14 lamps replacements - long life SMD LEDs last up to 35,000 hours, compared to incandescent lamps with a rated life of 2,500 hours
• cETLus for use in damp locations

Construction
• Aluminum heat sink sealed in heavy duty plastic housing
• Aluminum trim ring with durable powder coat finish
• Polycarbonate lens diffuses light

Installation
• Fits most standard 4" recessed cans
• Requires 3-7/8" clearance inside 4" cans
• Compatible with AL4-ICAT airtight Type IC housing

Photometrics

EP4-E26-30-WH

Luminous flux	525Lm
Maximum intensity	243 cd
Input wattage	8W
Lumers per watt	65 LPW
Beam angle	91.8°

UNIT:cd
— c0/180, 91.8°
— c90/270, 91.8°

15.2 fc
8.3' dia — 4 ft

6.8 fc
12.4' dia — 6 ft

3.6 fc
16.5' dia — 8 ft

3.3 fc
20.6' dia — 10 ft
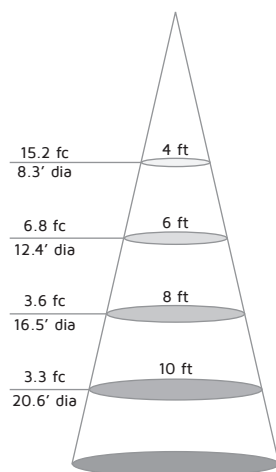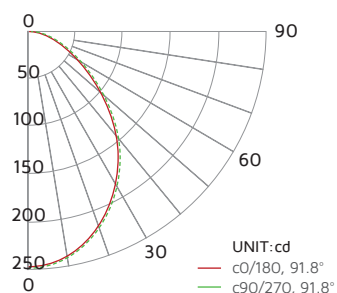
Specifications

Series	EP4
Input voltage	120V AC, 60Hz
Color temperature	2700K / 3000K / 4000K
CRI	81+
Wattage	7.6W
Lumens	See individual product
Beam angle	91.8° to 95.3°
Dimming	Most triac and ELV dimmers
Housing	Aluminum
Lens	Frosted polycarbonate
Rating	cETLus Listed, damp locations
Dimensions	6-1/2"Dia. x 3-1/2"H
Mounting	Recessed
LED type	18 x SMD 2323 LEDs
Rated life	35,000 hrs

EP4 Downlight

Dark Bronze
EP4-E26-27-DB
7.6W / 432Lm / 2700K

EP4-E26-30-DB
7.6W / 472Lm / 3000K

Brushed Steel
EP4-E26-27-BS
7.6W / 456Lm / 2700K

EP4-E26-30-BS
7.6W / 498Lm / 3000K

White
EP4-E26-27-WH
7.6W / 480Lm / 2700K

EP4-E26-30-WH
7.6W / 525Lm / 3000K

EP4-E26-40-WH
7.6W / 550Lm / 4000K

AL4-ICAT
4" 120V recessed housing for new construction Type IC, airtight

AL-GU24 GU24 adaptor, sold separately for Title 24 compliance

E-PRO 3

The smallest member of the E-Pro downlight family, the EP3 includes a 3" non-IC remodel housing with a built-in driver and integrated light module trims.

Performance
• Choose from three finishes - all EP3s include non-IC remodel housing
• Dimmable with most standard incandescent (triac) and low voltage electronic (ELV) dimmers for 5-100% light control
• Eliminate up to 14 lamps replacements - long life SMD LEDs last up to 35,000 hours, compared to incandescent lamps with a rated life of 2,500 hours
• c/ETL/us Listed for damp locations

Construction
• Aluminum non-IC remodel housing, attached junction box with eight 1/2" knockouts houses remote driver
• Aluminum barrel with three spring steel ceiling clips
• Aluminum trim ring with durable powder coat finish
• Polycarbonate lens diffuses light

Installation
• Cut-out template included (3-3/8" hole size)
• Requires 5" clearance in ceiling

Photometrics

EP3-E26-30-WH

Luminous flux	365Lm
Maximum intensity	215 cd
Input wattage	6W
Lumers per watt	60 LPW
Beam angle	77°

UNIT:cd
c0/180, 77°
c90/270, 77°

13.5 fc / 6.4' dia	4 ft
6 fc / 9.5' dia	6 ft
3.4 fc / 12.7' dia	8 ft
2.2 fc / 15.9' dia	10 ft
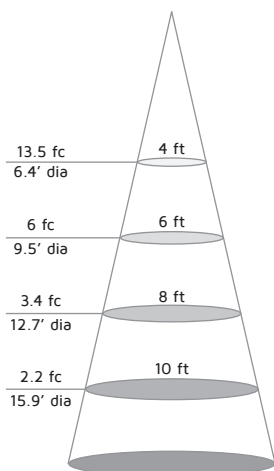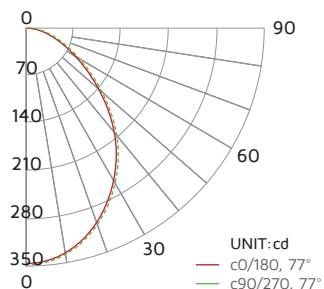
Specifications

Series	EP3
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	80+
Wattage	6W
Lumens	328Lm / 346Lm / 365Lm
Beam angle	77°
Dimming	Most triac and ELV dimmers
Housing	Aluminum
Lens	Frosted polycarbonate
Rating	c/ETL/us Listed, damp locations
Dimensions	3-15/16"D x 4-7/8"H x 11-1/4"L
Mounting	Recessed, non-IC remodel
LED type	14 x SMD 2323 LEDs
Rated life	35,000 hrs

EP3 Downlight

EP3-RE-30-DB
EP3 - Dark Bronze (3000K)
6W / 328Lm

EP3-RE-30-BS
EP3 - Brushed Steel (3000K)
6W / 346Lm

EP3-RE-30-WH
EP3 - White (3000K)
6W / 365Lm

E-PRO 3 SWIVEL

The smallest member of the E-Pro downlight family includes a 3" non-IC remodel housing with a built-in driver and LED module with an integrated swivel trim.

Performance

- Choose from three finishes - all EP3S fixtures include non-IC remodel housing
- Dimmable with most standard incandescent (triac) and low voltage electronic (ELV) dimmers for 5-100% light control
- Eliminate up to 14 lamps replacements - long life SMD LEDs last up to 35,000 hours, compared to incandescent lamps with a rated life of 2,500 hours
- c/ETL/us Listed for damp locations

Construction

- Aluminum non-IC remodel housing, attached junction box with eight 1/2" knockouts houses remote driver
- Aluminum barrel with three spring steel ceiling clips
- Aluminum trim ring with durable powder coat finish
- Polycarbonate lens diffuses light

Installation

- Cut-out template included (3-3/8" hole size)
- Requires 5" clearance in ceiling

Photometrics

EP3S-E26-30-WH

Luminous flux	340Lm
Maximum intensity	195 cd
Input wattage	6W
Lumers per watt	56 LPW
Beam angle	77°

UNIT:cd
— c0/180, 77°
— c90/270, 77°

fc	dia	distance
12.2 fc	6.4' dia	4 ft
5.4 fc	9.6' dia	6 ft
3 fc	12.8' dia	8 ft
2.0 fc	16' dia	10 ft
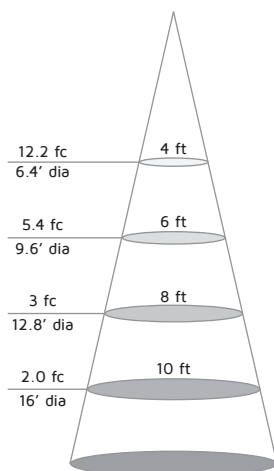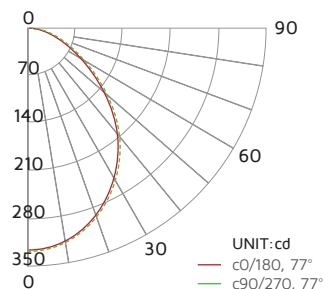
Specifications

Series	EP3S
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	80+
Wattage	6W
Lumens	306Lm / 323Lm / 340Lm
Beam angle	77°
Dimming	PWM dimming**
Housing	Aluminum
Lens	Frosted polycarbonate
Rating	c/ETL/us Listed, damp locations
Dimensions	3-15/16"D x 4-7/8"H x 11-1/4"L
Mounting	Recessed, non-IC remodel
LED type	14 x SMD 2323 LEDs
Rated life	35,000 hrs

EP3S Downlight

EP3S-RE-30-DB
EP3S - Dark Bronze (3000K)
6W / 306Lm

EP3S-RE-30-BS
EP3S - Brushed Steel (3000K)
6W / 323Lm

EP3S-RE-30-WH
EP3S - White (3000K)
6W / 340Lm

SATELLITE MINI

Three in one. Adjustable mounting allows for installation in 3" and 4" recessed housings; or 4" junction box installation using included j-box mounting bracket.

Performance
• Warm White (3000K) LED light with 82+ CRI
• Low profile design measures only 1" high
• Dimmable with most standard incandescent (triac) and low voltage electronic (ELV) dimmers for 10-100% light control
• Long life LEDs last up to 35,000 hours, 23 times longer than incandescent lamps rated at 1,500 hours
• cETLus Listed for damp locations

Construction
• Remote replaceable driver has heavy duty plastic housing
• Disc light's PCB is adhered to thick gauge aluminum heat sink
• Steel torsion clips (recessed can installation) or mounting bracket (junction box installation) hold fixture flush with ceiling
• Matte white polycarbonate trim is durable
• Frosted polycarbonate lens diffuses light

Installation
• Attach torsion clips as marked for 3" or 4" recessed cans
• For 4" junction standard depth box installation, E26 socket adaptor is omitted (remote driver is always required)

Photometrics

ST-MINI-30-WH

Luminous flux	654Lm
Maximum intensity	243 cd
Input wattage	9.2W
Lumers per watt	71 LPW
Beam angle	109.6°

UNIT:cd
— c0/180, 110.6°
— c90/270, 108.5°

19.7 fc	4 ft	
12.7' dia		
8.7 fc	6 ft	
19' dia		
4.9 fc	8 ft	
25.4' dia		
3.1 fc	10 ft	
31.7' dia		
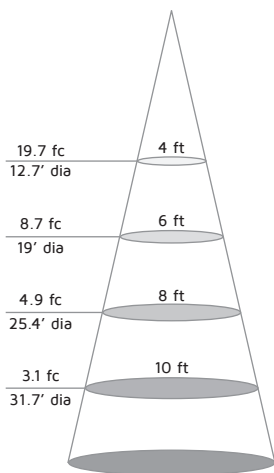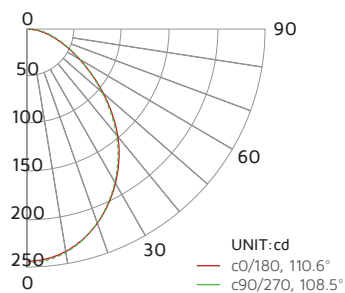
Specifications

Series	Satellite Mini
Input voltage	120V AC, 60Hz
Color temperature	3000K
CRI	82+
Wattage	9.2W
Lumens	650Lm
Beam angle	109.6°
Dimming	Most triac and ELV dimmers
Lens	Frosted polycarbonate
Rating	cETLus Listed for damp locations
Dimensions	5-7/8" Dia. x 1"H
Mounting	Recessed or Surface Mount
LED type	Samsung SMD 2323
Rated life	35,000 hrs

Satellite Mini Disc Light

ST-MINI-30-WH
Satellite Mini - White
3000K / 9.2W / 650Lm

An Industry First

A true remodel, energy saving retrofit and new construction downlight - all in one! Similar to a remodel housing for recessed lighting, the installation of the Magnum 8 downlight is all done from below the finished ceiling. Each fixture includes a template for the cut-out hole. The large 8" diameter access hole provides plenty of maneuvering room to pull supply wire through, feeding it to the attached junction box on the Magnum 8's body. Spring-loaded mounting clips hold the fixture firmly in place.

Mag 8

- 23W
- 3000K / 4000K
- 1800 / 2000 lumens
- Airtight, Type IC

MAGNUM 8

An industry first 3-in-1: true remodel, energy-saving retrofit and new construction fixture with integrated junction box. A reliable alternative for light commercial use where longevity counts. Airtight and suitable for direct contact with insulation.

Performance
• Instant on with no warm up time
• Available in two finishes and two color temperatures
• For use with recessed housings up to 8" in diameter, where access to existing housing is available
• Long life LEDs last up to 35,000 hours, 14 times longer than incandescent lamps rated at 2,500 hours
• Energy Star compliant and c/ETL/us Listed for damp locations

Construction
• Ventilated heavy duty plastic housing and aluminum heat sink keep LEDs cool for longevity
• Sturdy spring clips hold fixture flush with ceiling
• Junction box features multiple 1/2" knockouts and clip-on cover
• Frosted polycarbonate lens diffuses light

Installation
• Cut-out template included (8-1/16" hole size)
• For 4", 5" or 6" retrofit, access to the existing housing is needed to re-route supply wires to the Mag8's junction box
• Steel earthquake cable and junction box straps are for tying off

Photometrics

MAG8-30-WH

Luminous flux	1901Lm
Maximum intensity	849 cd
Input wattage	23W
Lumers per watt	82 LPW
Beam angle	94°

UNIT:cd
— c0/180, 94.3°
— c90/270, 93.7°

53.1 fc	4 ft	
8.6' dia		
23.6 fc	6 ft	
12.8' dia		
13.3 fc	8 ft	
17.1' dia		
8.5 fc	10 ft	
21.4' dia		
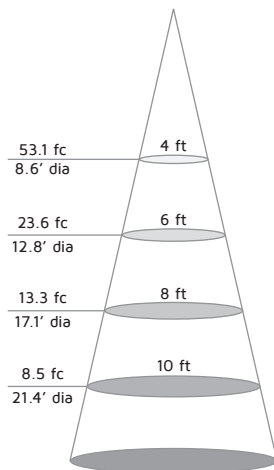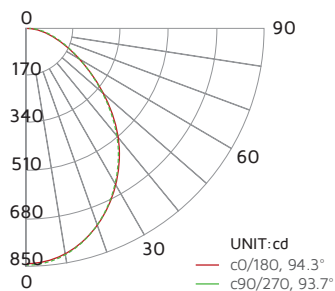
Specifications

Series	MAG8
Input voltage	100-277V AC, 60Hz
Color temperature	3000K / 4000K
CRI	80+
Wattage	23W
Lumens	1800Lm / 2000Lm
Beam angle	110°
Dimming	N/A
Housing	Aluminum housing, trim and j-box
Lens	Frosted polycarbonate
Rating	c/ETL/us Listed, damp locations
Dimensions	9-1/16"Dia. x 5-3/8"H
Mounting	Recessed
LED type	72 x SMD 2835 LEDs
Rated life	35,000 hrs

MAG 8 Downlights
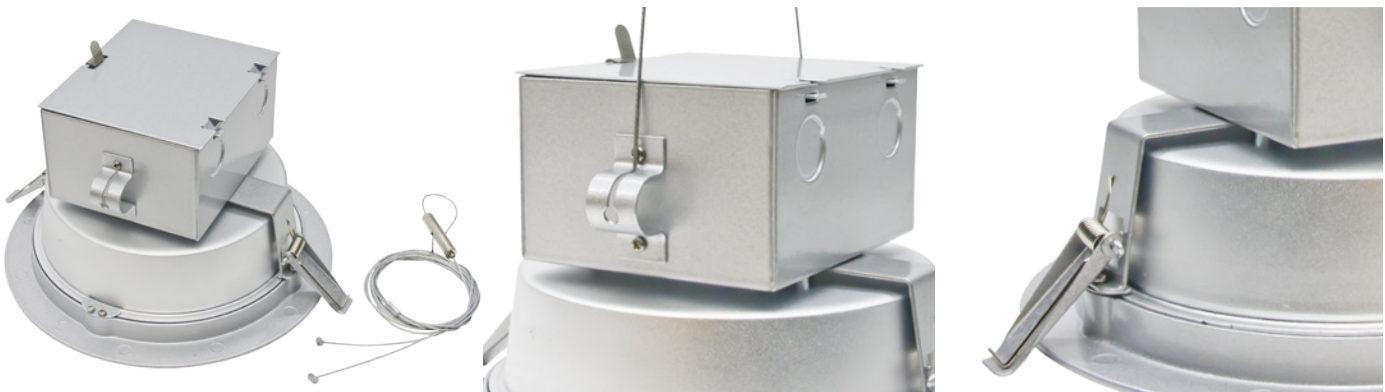
MAG8-30-BS
Mag 8 - Brushed Steel
3000K / 23W / 1800Lm

MAG8-40-BS
Mag 8 - Brushed Steel
4000K / 23W / 2000Lm

MAG8-30-WH
Mag 8 - White
3000K / 23W / 1800Lm

MAG8-40-WH
Mag 8 - White
4000K / 23W / 2000Lm

Linear Lighting Tools

Linear lighting meets general lighting with new high output, performance driven Warm White, Bright White linear light, or choose from a myriad of other colors, including color-changing for hospitality, retail and entertainment effects. Cover up to 150 feet on a single power cord. New advances in production and LED technology make linear lighting more reliable by using parallel wiring instead of series-paralllel, and heat dissipation techniques to maximize product life.

Hybrid2   p.112-113
- 24V DC and 120V, 60Hz AC
- 2.7W/ft
- Available in 2700K (WW), 5000K (WH), Red, Green and Blue
- 150ft reel length

Polar2 Neon   p.114-115
- 24V DC and 120V AC, 60Hz
- 2.3W/ft
- Available in 3000K (WW), 5000K (WH), Red, Orange, Amber/Yellow, Green, Blue and Pink
- 150ft reel length

Tape-Rope Hybrid   p.116-117
- 120V AC, 60Hz
- 4.8W - 67.2W
- 3000K (WW) / 5000K (WH)
- 65Lm/ft / 72Lm/ft
- Sold in kits ranging from 3.3ft - 45.9ft

Polar RGB   p.118-119
- 120V DC
- 2.2W/ft
- RGB
- 150.9ft bulk reel
- Each reel includes 5 ribbon to controller kits and 5 invisible splice kits

ClearFlex2 RGB   p.120-121
- 24V DC
- 1.8W/ft or 3.6/ft
- RGB
- 0.65" or 1.09" LED spacing
- Sold in 16.4ft kits

HYBRID 2 REELS

Superb light output for indoor and outdoor use, available in 24V and 120V options. Parallel wiring to each LED ensures that if one LED goes out, the rest of the cutting increment stays lit.

Performance
• 120° beam angle provides even light distribution - perfect for coves and numerous accent lighting applications
• 5050 SMD LEDs emit up to 230 lumens per foot
• Dimmable with most incandescent, low voltage magnetic and low voltage electronic dimmers* (minimum loads may apply)
• Suitable for indoor and outdoor use, 120V 150ft reels are cETLus Listed unless cut; 24V 150ft reels are cETLus Listed for lengths cut to 64.5 feet or less

Construction
• Reels have attached power connection and end cap on dead end; four additional H2-CONKIT-8A kits are included with each 120V reel and four additional H2-CONKIT-NP kits are included with each 24V reel
• Flexible rubber housing with clear PVC lens are protected with UV inhibitor

Installation
• Use clips to hold in place for most cove applications
• Clear plastic track or aluminum channel should be used when straight line are needed or when mounting to the underside of a shelf or ledge to prevent sagging

Specifications

Series	120-H2 and 24-H2
Input voltage	120V AC, 60Hz or 24V DC
Colors	WW/WH/BL/GR/RE
CRI or nm	See individual product
Wattage	2.3W/ft (120V) / 2.7W/ft (24V)
Lumens	See individual product
Reel length	150 feet (120V and 24V)
Maximum run	150 feet (120V) or 64.5 feet (24V)
Cuttability	18" (120V and 24V)
Beam angle	120°
Dimming	10-100% with most dimmers*
Material	Clear PVC face, white PVC back
Rating	cETLus Listed for wet locations**
Dimensions	9/16"W x 1/4"H
Switching	Wall control
Mounting	Clips or mounting track
Linking	See jumpers on facing page
LED type	5050 SMD LEDs (20 per foot)
Rated life	30,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers
**c/ETL/us Listing for 120V is void if product is cut; c/ETL/us Listing for 24V is valid for lengths cut to 64.5 feet or less

Hybrid 2

120-H2-WW (120V)
150ft reel • 2700K Warm White LEDs
(120V) 82CRI • 145Lm/ft

120-H2-WH (120V)
24-H2-WH (24V)
150ft reel • 5000K Bright White LEDs
(120V) 82CRI • 180Lm/ft
(24V) 82CRI • 230Lm/ft

120-H2-BL (120V)
24-H2-BL (24V)
150ft reel • Blue LEDs
(120V) 465nm • 25Lm/ft
(24V) 465nm • 35Lm/ft

120-H2-GR (120V)
150ft reel, Green LEDs
(120V) 520nm • 100Lm/ft

120-H2-RE (120V)
24-H2-RE (24V)
150ft reel, Red LEDs
(120V) 625nm • 18Lm/ft
(24V) 625nm • 24Lm/ft

Hybrid 2 Accessories

H2-CONKIT-8A
120V power connection kit
Includes: (1) 120V AC 5ft power cord with
8A inverter, (1) power pin, (1) end cap and
(2) 4" sections of shrink tube

H2-CONKIT-NP
24V power connection kit
Includes: (1) 5ft power cord (without plug,
without inverter), (1) power pin, (1) end cap
and (2) 4" sections of shrink tube

H2-SPL
Splice kit
Includes: (1) connection sleeve
assembly, (2) power pins and
(2) 3" sections of shrink tube

H2-JUMP.5 6" cable
H2-JUMP3 3ft cable
H2-JUMP6 6ft cable
H2-JUMP10 10ft cable
H2-JUMP15 15ft cable
H2-JUMP20 20ft cable
Jumper (linking) cable
Includes: (2) pin connectors and
(2) 4" sections of shrink tube

H2-TRACK-3
3ft clear plastic mounting track
23/32"w x 13/32"h

H2-CHAN-3
3ft aluminum mounting track
23/32"w x 13/32"h

H2-ENDS
Clear plastic end caps, bag of 10

H2-CLIPS
Clear plastic mounting clips with
mounting screws, bag of 10

POLAR 2 NEON

Continuous line of light for indoor or outdoor use, available in 24V and 120V options each with eight color choices . Parallel wiring to each LED ensures that if one LED goes out, the rest stay lighted.

Performance
• 1/3" LED spacing and opaque jacket provide uniform appearance for direct view applications
• 3528 SMD LEDs emit up to 90 lumens per foot
• Dimmable with most standard, low voltage magnetic and low voltage electronic dimmers* (minimum loads may apply)
• Suitable for indoor and outdoor use, 120V 150ft reels are c/ETL/us Listed unless cut; 24V 150ft reels are c/ETL/us Listed for lengths cut to 65 feet or less

Construction
• Reels have attached power connection and end cap on dead end; four additional P2-NF-CONKIT-8A kits are included with each 120V reel and four additional P2-NF-CONKIT-NP kits are included with each 24V reel
• Flexible rubber housing with frosted or colored PVC lens are protected with UV inhibitor

Installation
• Use clips to hold in place for most indirect view installations
• Clear plastic track or aluminum channel should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging

Specifications

Series	P2-NF
Input voltage	120V AC, 60Hz or 24V DC
Colors	WW/WH/AY/BL/GR/OR/PI/RE
CRI or nm	See individual product
Wattage	2.4W/ft (120V) / 2.8W/ft (24V)
Lumens	See individual product
Reel length	150 feet (120V and 24V)
Maximum run	150 feet (120V) or 65 feet (24V)
Cuttability	18" (120V) or 12" (24V)
Beam angle	120°
Dimming	10-100% with most dimmers*
Material	Opaque PVC jacket, white PVC back
Rating	c/ETL/us Listed for wet locations**
Dimensions	5/8"W x 1-1/8"H
Switching	Wall control
Mounting	Clips, mounting track or channel
Linking	See linking cables
LED type	3528 SMD LEDs (36 per foot)
Rated life	30,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers
**c/ETL/us Listing for 120V is void if product is cut; c/ETL/us Listing for 24V is valid for lengths cut to 65 feet or less

Polar 2 Neon

P2-NF-WW (120V)
P2-NF-24V-WW (24V)
Warm White LEDs • 79CRI
Opaque white jacket
(120V) 2700K • 63Lm/ft
(24V) 2700K • 90Lm/ft

P2-NF-WH (120V)
P2-NF-24V-WH (24V)
Bright White LEDs • 78CRI
Opaque white jacket
(120V) 5000K • 63Lm/ft
(24V)5000K • 90Lm/ft

P2-NF-AY (120V)
P2-NF-24V-AY (24V)
White LEDs
Opaque Amber jacket
(120V) 590nm • 21Lm/ft
(24V) 590nm • 34Lm/ft
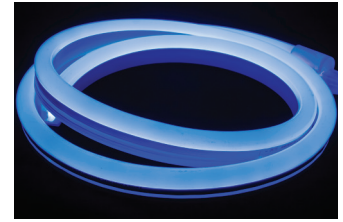
P2-NF-BL (120V)
P2-NF-24V-BL (24V)
Blue LEDs
Opaque blue jacket
(120V) 469nm • 5Lm/ft
(24V) 469nm • 9Lm/ft
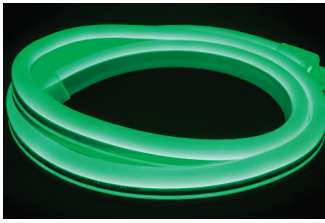
P2-NF-GR (120V)
P2-NF-24V-GR (24V)
Green LEDs
Opaque green jacket
(120V) 520nm • 25Lm/ft
(24V) 521nm • 50Lm/ft

P2-NF-OR (120V)
P2-NF-24V-OR (24V)
Orange LEDs
Opaque amber jacket
(120V) 606nm • 12Lm/ft
(24V) 606nm • 15Lm/ft
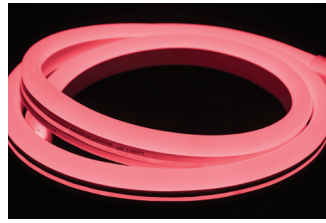
P2-NF-PI (120V)
P2-NF-24V-PI (24V)
Pink LEDs
Opaque white jacket
(120V) 610nm • 17Lm/ft
(24V) 610nm • 27Lm/ft

P2-NF-RE (120V)
P2-NF-24V-RE (24V)
Red LEDs
Opaque red jacket
(120V) 619nm • 5Lm/ft
(24V) 619nm • 8Lm/ft

Polar 2 Neon Accessories

P2-NF-CONKIT-8A
120V power connection kit
Includes: (1) 120V AC 5ft power
cord with 8A inverter, (1) power
pin, (1) end cap and (2) 4"
sections of shrink tube

P2-NF-CONKIT-NP
24V power connection kit
Includes: (1) 5ft power cord
(without plug, without inverter),
(1) power pin, (1) end cap and (2)
4" sections of shrink tube
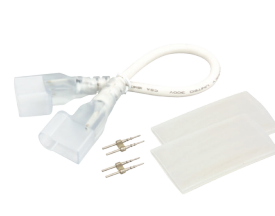
P2-NF-JUMP.5 6" cable
P2-NF-JUMP3 3ft cable
P2-NF-JUMP10 10ft cable
P2-NF-JUMP20 20ft cable
Jumper (linking) cables
Includes:(2) power pins and (2)
4" sections of shrink tube
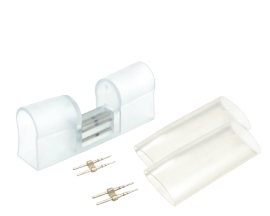
P2-NF-SPLS
Splice Kit
Includes: (1) connection sleeve
assembly, (2) power pins, and
(2) 3" sections of shrink tube
(Bag of 10)

PLR-NF-ENDS
Clear plastic end caps
(10 per bag)

PLR-NF-CLIPS
2" aluminum mounting clips
with (2) mounting screws

P2-NF-TRACK-3
3ft plastic mounting track
23/32"w x 13/32"h

P2-NF-CHAN-3
3ft aluminum mounting track
23/32"w x 13/32"h

P2-NF-INVS
Invisible Splice Kit
Includes: (1) splice pin and
(1) 3" section of shrink tube
(Bag of 10)

TAPE-ROPE HYBRID

Easy to use, flexible, dimmable lighting in Bright White and Warm White kits. Interconnect to build your own semi-custom c/ETL/us rated solution.

Performance
• Line voltage kits are economical - no drivers needed
• 3528 SMD LEDs emit up to 72 lumens per foot
• Dimmable with most electronic low voltage (ELV) dimmers* for 5-100% light control
• Suitable for indoor and outdoor use

Construction
• Each kit includes removable five foot power cord with 1.6A inverter and fused 120V AC 2-prong plug, removable cap on opposite end and 1 clip per foot of light
• 2/3" LED spacing in white perforated PVC housing with clear PVC jacket

Installation
• Use clips to hold in place for many indirect view installations
• Clear plastic track should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging
• Easy to install - kits interconnect and plug into standard 120V AC receptacles

Specifications

Series	120-TL60
Input voltage	120V AC, 60Hz
Colors	WH and WW
CRI or nm	82+ CRI
Wattage	See individual product
Lumens	65Lm/ft (WW) / 72Lm/ft (WH)
Kit lengths	See individual product
Maximum run	106 feet
Cuttability	N/A
Beam angle	109°
Dimming	5-100% with ELV dimmers
Material	White PVC housing, clear PVC jacket
Rating	c/ETL/us, suitable for wet locations
Dimensions	3/8"W x 1/4"H
Switching	Wall control
Mounting	Clips or mounting track
Linking	See 120-TL-JUMP accessories
LED type	3528 SMD LEDs (60 per meter)
Rated life	35,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers

Tape-Rope Hybrid

WARM WHITE KITS
3000K • 82CRI • 65Lm/ft

120-TL60-3.3-WW
3.3ft / 4.8W

120-TL60-6.6-WW
6.6ft / 9.6W

120-TL60-13.2-WW
13.2ft / 19.2W

120-TL60-19.7-WW
19.7ft / 28.8W

120-TL60-32.8-WW
32.8ft / 48W

120-TL60-45.9-WW
45.9ft / 67.2W

BRIGHT WHITE KITS
5000K • 82CRI • 72Lm/ft

120-TL60-3.3-WH
3.3ft / 4.8W

120-TL60-6.6-WH
6.6ft / 9.6W

120-TL60-13.2-WH
13.2ft / 19.2W

120-TL60-19.7-WH
19.7ft / 28.8W

120-TL60-32.8-WH
32.8ft / 48W

120-TL60-45.9-WH
45.9ft / 67.2W

Each kit includes clear plastic mounting clips with screws (1 set per foot), (1) 5ft 120V AC removable power cord with 1.6A inverter and (1) removable end cap

Tape-Rope-Hybrid Accessories

Jumper (linking) cables
120-TL-JUMP-3 3ft cable
120-TL-JUMP-6 6ft cable
120-TL-JUMP-15 15ft cable

120-TL-TRACK-4
4ft clear plastic mounting track

POLAR RGB

Line voltage color changing light for indoor or outdoor use. Use with indoor/outdoor RGB controller for pre-programmed color functions.

Performance
• 5050 SMD LEDs with 1.3" LED spacing
• Automated production process yields increased quality and reliability
• Tri-color chip mixes colors at the source for best projection of light and least color striations

Construction
• Flexible clear PVC housing with UV inhibitor optimizes product longevity
• 5050 SMD LEDs machine mounted onto pure copper strip produces an economical effect lighting solution
• Polyimide film on LED mounting surface dissipates heat and keeps LEDs cool

Installation
• Use clips to hold in place for most indirect view installations
• Clear plastic track or aluminum channel should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging
• Reels include five controller connection kits and five invisible splice kits
• Cuttable every 39.4" (1 meter) to suit the installation
• Be sure to seal all outdoor connections with dielectric grease and shrink tube

Performance
• For more sophisticated DMX control options, please contact American Lighting directly

Specifications

Series	PLR-RGB
Input voltage	120V DC
Colors	Color changing
CRI or nm	N/A
Wattage	2.2W/ft
Lumens	N/A
Reel length	150.9 feet
Maximum run	150.9 feet
Cuttability	39.4" (1 meter)
Beam angle	130°
Dimming	Via controller or DMX
Material	Clear PVC housing, UV inhibitor
Rating	N/A
Dimensions	5/8"W x 3/8"H
Switching	Push button on controller
Mounting	Clips, mounting track or channel
Linking	See PLR-RGB-JUMP cables
LED type	5050 SMD LEDs (36 per meter)
Rated life	60,000 hrs

Polar RGB Color Samples

Polar RGB Bulk Reels

PLR-36RGB-150 120V DC color changing linear lighting
(controller required, sold separately) 2.2W/ft

POLAR RGB 150.9ft BULK REEL
Non-rated, sold by the reel only
39.4" series, 150.9ft max run

Each reel ships with five PLR-RGB-EC3 ribbon to controller kits, five PLR-RGB-INVPSL invisible splice kits.
Order controller and mounting accessories separately

Polar RGB Accessories

LED-RGB-CTRL

Non-rated 120V DC RGB plug-in indoor/outdoor
controller with DC inverter and 5ft grounded power
cord (requires weatherproof GFCI receptacle)
Use programmed presets or to assign a
DMX512 address to Polar RGB
Dual 6A output leads, 18" length each
Requires ribbon-to-controller (EC) kit for each lead

PLR-RGB-EC3 3ft EC kit
PLR-RGB-EC10 10ft EC kit
PLR-RGB-EC20 20ft EC kit

Ribbon-to-controller (EC) connection kit
Includes EC cable, power pin, end cap
and 3" length of shrink tube

PLR-RGB-JUMP.7 8" jumper'
PLR-RGB-JUMP3 3ft jumper
PLR-RGB-JUMP10 10ft jumper
PLR-RGB-JUMP20 20ft jumper

Non-rated ribbon-to-ribbon jumper
Includes cable, (2) power pins and
(2) 3" lengths of shrink tube

PLR-RGB-INVSPL

Splice kits for joining two
lengths of Polar RGB
includes power pin and
3" lengths of shrink tube,
sold in bags of 10

PLR-RGB-CLIPS

Mounting clips with screws,
sold in bags of 10

PLR-RGB-CHAN-4
4ft aluminum
mounting channel

PLR-RGB-TRACK-4
4ft clear plastic
mounting track

CLEAR FLEX2 RGB ✓RoHS

Low voltage color changing light for indoor or outdoor use, compatible with various controllers for different levels of color control.

Performance
• 5050 SMD LEDs with 1.3" or .66" LED spacing
• 7-color chip blends color at the source for best blended projection and wash effects
• 16.4ft reels include three power connector cables to build your own lengths to the nearest cutting unit
• Choose between two different color effect controllers with handheld remote and a DMX interface to provide the linear lighting with its own address

Construction
• Flexible clear PVC housing with UV inhibitor optimizes product longevity
• 5050 SMD LEDs mounted onto copper strip in series parallel increments

Installation
• Use clips to hold in place for most indirect view installations
• Clear plastic track or aluminum channel should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging
• Reels include three controller connection kits and one invisible splice kit
• Cuttable every 3.9" or 7.88" to suit the installation
• Be sure to seal all outdoor connections with dielectric grease and shrink tube

Performance
• For more sophisticated DMX control options, please contact American Lighting directly
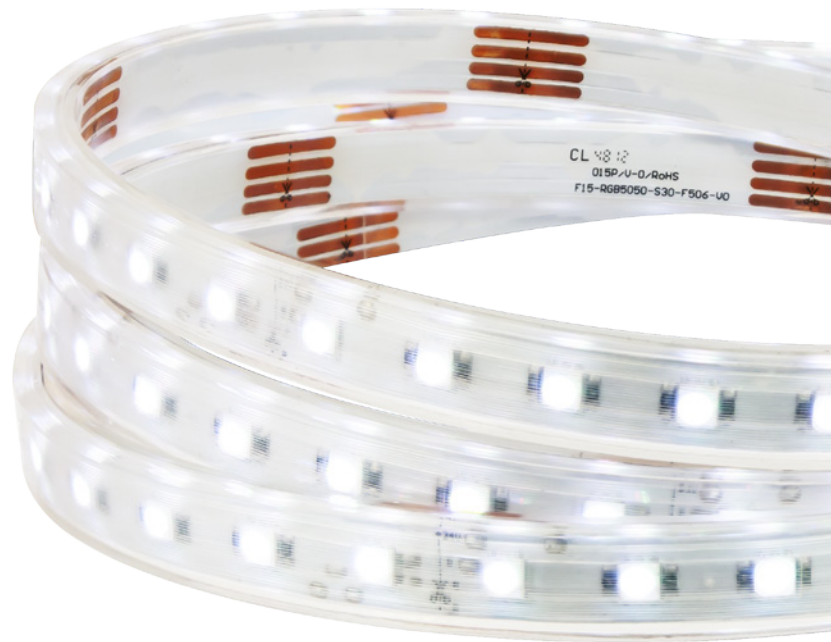
Specifications

Series	CFX4V2
Input voltage	24V DC
Colors	RGB
CRI or nm	N/A
Wattage	1.8W/ft (30) / 3.6W/ft (60)
Lumens	N/A
Maximum run	32ft 9-1/2" (10 meters)
Dimming	RGB Fade Controller
Material	PVC
Cuttability	30-RGB = 7.88"/60-RGB = 3.94"
Rating	IP65 when ends are sealed
Dimensions	5/8"W x 1/4"H x 16.4'L
Switching	Depends upon controller
Mounting	Clips or mounting track
Linking	See CFX4V2-JUMP
LED type	5050 SMD LEDs (60 per meter)
Rated life	50,000 hrs

ClearFlex2 RGB Color Samples
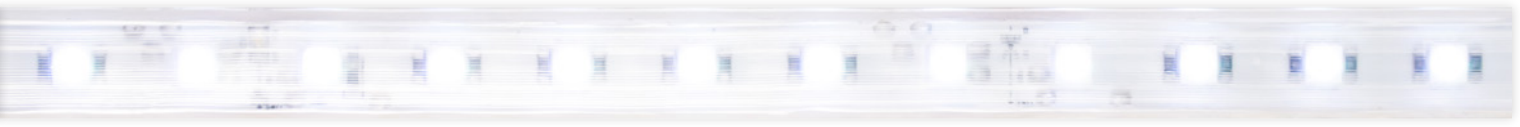
ClearFlex2 RGB

CLEAR FLEX2 RGB 16.4ft KIT
24V DC, sold by the kit only
16.4ft max run

CFX4V2-30-RGB

1.09" LED spacing, 1.8W/ft, 7.9" series

CLEAR FLEX2 RGB 16.4ft KIT
24V DC, sold by the kit only
16.4ft max run

CFX4V2-60-RGB

0.65" LED spacing, 3.6W/ft, 3.9" series

*NOTE:Each kit includes: (1) reel of ClearFlex, (3) CFX4V2-CONKIT-NP power connection kits, (1) splice kit, (16) mounting clips and (1) 20mL bottle of glue/sealant

Note: CFX4V2-CONKIT-NP is also sold separately if additional are needed

ClearFlex2 RGB Accessories

CFX4V2-CONKIT-NP

Power connection kit
Includes: (1) 5ft power connector cord, (1) connection sleeve assembly, (1) end cap, (2) wire nuts and (2) pieces of shrink tube

LED-RGB-15A-24V

24V DC power supply for use with LED-RGB-CTRL-24V only with 5ft grounded 120V AC power cord and 15A output to LED-RGB-CTRL-24V

LED-RGB-CTRL-24V

24V DC dual output controller/DMX interface for use with LED-RGB-15A-24V, with DMX in and DMX out leads

CFX4V2-144W-24V

24V DC Fade controller with handheld remote, single color selection and fade rate control
Use with LED-DR power supplies

CFX4V2-RF

24V DC RF wireless remote only with color control wheel and USB charging cord
Up to 98 feet transmission distance
Use with 24V DC receiver CFX4V2-360W-24V

CFX4V2-360W-24V

24V DC receiver (can be used with or without CFX4V2-RF) with 8 touch keys for pause, modes, speed and brightness
Use with LED-DR type drivers

LED-CFX4V2-490EC2

Adapter cable for CFX4V2
Use one for each controller lead
(not included with reel)

CFX4V2-JUMP.5 6" jumper
CFX4V2-JUMP1 1ft jumper
CFX4V2-JUMP6 6ft jumper
CFX4V2-JUMP10 10ft jumper
Non-rated ribbon-to-ribbon jumper
Includes: (2) 4" lengths of shrink tube and (2) connection sleeve assemblies

CFX4V2-SPL

Splice kit
Includes: 4" section of shrink tube and connection sleeve assembly

CFX4V2-ENDS
Clear plastic end caps (3 per pack)
CFX-GLUE
20mL bottle of glue/sealant

CFX4V2-CLIPS
Clear plastic mounting clips with screws (16 per pack)

CFX4V2-CHAN-1M
3.28ft (1 meter) aluminum mounting track with pre-drilled holes every 9"
3/4"W x 3/8"H

Economical and Easy to Use

Incandescent and LED rope light remain popular mainly due to their economical cost and ease of use, whether the application is commercial or residential, indoors or out. When UL compliance is needed, American Lighting offers kits that are interconnectable while maintaining UL; and we make our own custom cuts to your specifications, to the nearest cutting increment, via our in-house Custom Cut program. Check out the wide assortment offered in the following pages: multiple diameters, colors, voltages and sources.

- Available in 1/2" and 3/8" diameters
- UL Listed or CSA rated
- 120V, 24V and 12V options
- Sold in kits, custom cut or bulk reels
- Kits available in Cool White or Warm White
- Bulk reels available in Warm White, Cool White, Amber, Blue, Green, Red and Yellow

- Available in 1/2" or 3/8" thickness
- UL listed or CSA rated
- 120V, 24V, and 12V options
- Sold in kits, custom cut, or bulk reels
- Kits available in Clear and Frosted
- Bulk reels available in Clear, Frosted, Amber, Blue, Green, Pink, Red, Purple, and Yellow

LED FLEXBRITE KITS/CUSTOM CUT

Easy to use, flexible, dimmable LED rope light in Cool White, Warm White, and Ultra Warm White. Kits interconnect to build your own semi-custom CSA or UL Listed solution; or order UL2388 compliant sections custom cut to the nearest 36" increment.

Performance
• Line voltage kits are economical - no drivers needed
• 3mm LEDs at 1" spacing emit up to 34 lumens per foot
• Dimmable with most electronic low voltage and LED/CFL
  dimmers* (minimum loads may apply)
• Suitable for indoor and outdoor use

Construction
• Each kit includes removable five foot power cord with
  1.6A inverter and fused 120V AC 2-prong plug, removable
  cap on opposite end and 1 clip per foot of light
• 1" LED spacing in clear UV inhibited PVC housing with
  3mm LEDs wired in series parallel (36 LEDs per series)

Installation
• Use clips to hold in place for most indirect view installations
• Clear plastic track should be used for direct view installations
  and when mounting to the underside of a shelf or ledge to
  prevent sagging
• Easy to install - kits interconnect and plug into standard
  120V AC receptacles

Custom Cut Program
• UL Listed for indoor and outdoor use
• Same specifications as ULRL-LED reels
• Custom cut to the nearest 36" increment
• Order track or clips separately as needed

Specifications

Series	LR-LED (kits); ULRL-LED custom cuts
Input voltage	120V, 60Hz AC
Colors	CW, WW, and UWW
CRI or nm	67+(UWW)/72+(WW)/75+(WH)
Wattage	1W/ft
Lumens	See individual product
Kit lengths	See individual product
Maximum run	192 feet(kits); 150 feet(custom cut)
Cuttability	N/A
Beam angle	120°
Dimming	5-100% with ELV/LED dimmers*
Material	Clear PVC with UV inhibitor
Rating	UL or CSA Listed for wet locations**
Dimensions	1/2"Dia. x 1" LED spacing
Switching	Wall control
Mounting	Clips or mounting track
Linking	Via LR-LED-EXT3 (kits only)
LED type	3mm LEDs, vertical mount
Rated life	60,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers
**CSA/UL Listing is void if product is cut

LED FlexBrite Kits

WARM WHITE KITS
3000K • 67CRI • 32Lm/ft
UL Listed
LR-LED-WW-3 3ft
LR-LED-WW-9 9ft
LR-LED-WW-15 15ft
LR-LED-WW-30 30ft
LR-LED-WW-75 75ft

COOL WHITE KITS
6400K • 75CRI • 34Lm/ft
UL Listed
LR-LED-CW-3 3ft
LR-LED-CW-9 9ft
LR-LED-CW-15 15ft
LR-LED-CW-30 30ft
LR-LED-CW-75 75ft

ULTRA WARM WHITE KITS
2100K • 67CRI • 30Lm/ft
CSA rated for Canada
LR-LED-UWW-CSA-3 3ft
LR-LED-UWW-CSA-9 9ft
LR-LED-UWW-CSA-15 15ft
LR-LED-UWW-CSA-30 30ft

COOL WHITE KITS
6400K • 75CRI • 34Lm/ft
CSA rated for Canada
LR-LED-CW-CSA-3 3ft
LR-LED-CW-CSA-9 9ft
LR-LED-CW-CSA-30 30ft

Each kit includes LED Flexbrite, removable 5ft power cord with 1.6A inverter, removable end cap and one mounting clip per foot of light. Use kits in like sizes, kelvin temperatures may not match across different length kits.

LED FlexBrite Custom Cut

ULRL-LED-UWW
Ultra Warm White, 2100K, 1W/ft,
30Lm/ft, 150ft max run

ULRL-CONKIT-LEDSHELL
(Required)
120V UL2388 compliant power
connection of 5ft cord with 1.6A
inverter and fused plug, and end cap

ULRL-LED-WW
Ultra Warm White, 3000K, 1W/ft,
30Lm/ft, 150ft max run

ULRL-CONKIT-LEDSHELL
(Required)
120V UL2388 compliant power
connection of 5ft cord with 1.6A
inverter and fused plug, and end cap

ULRL-LED-CW
Cool White, 6400K, 1W/ft,
34Lm/ft, 150ft max run

ULRL-CONKIT-LEDSHELL
(Required)
120V UL2388 compliant power
connection of 5ft cord with 1.6A
inverter and fused plug, and end cap

LED FlexBrite Accessories

LR-LED-EXT3
3ft jumper (linking) cable
for LED rope light

RL-TRK-3
3ft clear plastic mounting track
for LED or incandescent rope light
(sold in cases of 40 only)

RL-TRACK-4
4ft clear plastic mounting track
for LED or incandescent rope light

RL-CLIP/SCREW
Clear plastic "U" shaped mounting
clip with (2) mounting screws for
LED or incandescent rope light

LR-CLIP-20
(20) clear plastic "U" shaped mounting clips
with (40) mounting screws for LED or
incandescent rope light; blister pack

LED FLEXBRITE BULK REELS

Economical, versatile and flexible LED rope light reels in seven colors (non-rated if cut).

Performance
• LED Flexbrite reels are economical; use the Custom Cut program when UL2388 compliance is required (1/2" Dia. 120V Ultra Warm White, Warm White, and Cool White only; page 125)
• 3mm LEDs at 1" spacing emit up to 34 lumens per foot
• Dimmable with most electronic low voltage and LED/CFL dimmers* (minimum loads may apply)
• Suitable for indoor and outdoor use

Construction
• 120V reels include one factory-attached five foot power cord with 1.6A inverter and fused 120V AC 2-prong plug (low- voltage reels do not have plugs), end cap on opposite end and 50 mounting clips
• 1" LED spacing in clear UV inhibited PVC housing with 3mm LEDs wired in series parallel (36 LEDs per series)

Installation
• Use clips to hold in place for most indirect view installations
• Clear plastic track should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging

Specifications

Series	ULRL-LED; LED-MRL; RL-LED
Input voltage	120V, 60Hz AC; 12V; 24V
Colors	UWW/WW/WH/AM/BL/GR/RE/YE
CRI or nm	67+(UWW)/70+(WW)/75+(WH)
Wattage	See individual product
Lumens	See individual product
Reel length	150 feet
Maximum run	150 feet
Cuttability	36" unless otherwise noted
Beam angle	120°
Dimming	5-100% with ELV/LED dimmers*
Material	Clear PVC with UV inhibitor
Rating	UL Listed for wet locations**
Dimensions	1/2" or 3/8"Dia. x 1" LED spacing
Switching	Wall control
Mounting	Clips or mounting track
Linking	Via LR-LED-EXT3 (kits only)
LED type	3mm LEDs, vertical mount
Rated life	60,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers
**UL Listing is void if product is cut

LED FlexBrite 120V Bulk Reels

1/2" 120V LED FLEXBRITE 150FT REELS
ULRL-LED-UWW-150 Ultra Warm White, 2100K, 1W/ft, 30Lm/ft
ULRL-LED-WW-150 Warm White, 3000K, 1W/ft, 32Lm/ft
ULRL-LED-WH-150 Bright White, 5000K, 1W/ft, 34Lm/ft
ULRL-LED-AM-150 Amber, 60" cut, .47W/ft
ULRL-LED-BL-150 Blue, 1W/ft
ULRL-LED-GR-150 Green, 1W/ft
ULRL-LED-RE-150 Red, 60" cut, .47W/ft
ULRL-LED-YE-150 Yellow, 60" cut, .47W/ft

3/8" 120V LED FLEXBRITE 150FT REELS
LED-MRL-UWW-150 Ultra Warm White, 2100K, 1W/ft, 30Lm/ft
LED-MRL-WW-150 Warm White, 3000K, 1W/ft, 32Lm/ft
LED-MRL-WH-150 Cool White, 6400K, 1W/ft, 34Lm/ft
LED-MRL-AM-150 Amber, 60" cut, .47W/ft
LED-MRL-BL-150 Blue, 1W/ft
LED-MRL-GR-150 Green, 1W/ft
LED-MRL-RE-150 Red, 60" cut, .47W/ft
LED-MRL-YE-150 Yellow, 60" cut, .47W/ft

LED FlexBrite 12V & 24V Bulk Reels

1/2" 12V LED FLEXBRITE 150FT REELS
30ft max run, 3" cut, 1W/ft

RL-LED-PW-12V
5000K Pure White
RL-LED-UWW-12V
2700K Ultra Warm White

3/8" 12V LED FLEXBRITE 150FT REELS
30ft max run, 3" cut, 1W/ft

LED-MRL-WW-12V
3000K Warm White

1/2" 24V LED FLEXBRITE 150FT REELS
60ft max run, 6" cut, 1W/ft

RL-LED-WH-24V
5000K Bright White

LED FlexBrite Accessories

RL-INVSPL 1/2" Dia.
MRL-INVSPL 3/8" Dia.
Non-UL splice connector, Clear
Use with RL-ST-3 or MRL-ST-3
(Bag of 10)

RL-LED-CONKIT-1.6AMP 1/2" Dia.
MRL-LED-CONKIT-1.6AMP 3/8" Dia.
120V non-UL power connector kit with 5ft cord,
fused plug power connector and end cap

RL-LED-CONKIT-4A-NP 1/2" Dia.
12V/24V non-UL power connector kit with 5ft cord,
4A inverter, power connector and end cap

RL-EXTKIT2 2ft jumper kit, 1/2"
RL-EXTKIT15 15ft jumper kit, 1/2"
Non-UL rope-to-rope extension kit
with two power connectors

RL-SPLICE 1/2" Dia.
MRL-SPLICE 3/8" Dia.
Non-UL splice connector, White
(Bag of 10)

RL-ST-3 1/2" Dia.
MRL-ST-3 3/8" Dia.
3" shrink tube
(Bag of 10)

RL-END 1/2" Dia.
MRL-END 3/8" Dia.
Clear plastic end cap
(Bag of 10)

RL-TRACK-4 1/2" Dia.
MRL-TRACK-4 3/8" Dia.
4ft clear plastic mounting track

RL-CLIP/SCREW 1/2" Dia.
MRL-CLIP/SCREW 3/8" Dia.
Clear plastic "U" shaped
mounting clip with screw

INCANDESCENT ROPE LIGHT KITS/CUSTOM CUT

Easy to use, flexible, dimmable incandescent rope light Interconnect to build your own semi-custom UL Listed solution; or order 120V Clear custom cut UL2388 compliant sections cut to the nearest 24" increment.

Performance
- Popular, economical solution for accent lighting applications
- Miniature lamps with 1.09" spacing dissipate heat meeting UL2388 standards
- Dimmable with most incandescent dimmers
- Suitable for indoor and outdoor use

Construction
- Each kit includes removable five foot power cord with fused 120V AC 2-prong plug, removable cap on opposite end and 1 clip per foot
- 1.09" spacing in clear UV inhibited PVC housing with clear bulbs wired in series parallel (22 lamps per 24" series)

Installation
- Use clips to hold in place for most indirect view installations
- Clear plastic track should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging
- Easy to install - kits interconnect and plug into standard 120V AC receptacles

Custom Cut Program
- UL Listed for indoor and outdoor use
- Same specifications as 042 kits
- Custom cut to the nearest 24" increment
- Order track or clips separately as needed

Specifications

Series	042 and CSA kits; 033 (custom cuts)
Input voltage	120V, 60Hz AC
Colors	Clear
CRI or nm	96+ CRI
Wattage	See individual product
Lumens	See individual product
Kit lengths	See individual product
Maximum run	150 feet
Cuttability	N/A
Beam angle	150°
Dimming	1-100% with most standard dimmers*
Material	Clear PVC with UV inhibitor
Rating	UL or CSA Listed for wet locations**
Dimensions	1/2"Dia. x 1.09" bulb spacing
Switching	Wall control
Mounting	Clips or mounting track
Linking	Via ULRL-EXT3 (kits only)
LED type	Miniature bulbs, vertical mount
Rated life	25,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers
**UL Listing is void if product is cut

Incandescent Rope Light Kits

Commercial Grade Incandescent Rope Light
2000K, 96CRI, 3.78W/ft, 6.5Lm/ft
UL Listed

042-CL-2 2ft
042-CL-6 6ft
042-CL-10 10ft
042-CL-18 18ft
042-CL-30 30ft
042-CL-50 50ft

Premium Grade Incandescent Rope Light
2000K, 96CRI, 3.0W/ft, 4.6Lm per ft
CSA rated for Canada

CSA-CL-2 2ft
CSA-CL-6 6ft
CSA-CL-10 10ft
CSA-CL-18 18ft
CSA-CL-30 30ft
CSA-CL-50 50ft

Each kit includes incandescent rope light, removable 5ft power cord, removable end cap, and one mounting clip per foot of light.

Consider using shorter length kits to build longer custom lengths. If one section should fail, a kit can be replaced (which maintains UL Listing) versus repairing a section, which voids UL.

Incandescent Rope Light Custom Cut

033-CL
Clear, 2000K, 3.78W/ft, 6.5Lm/ft

ULRL-CONKIT-INCSHELL
120V UL2388 compliant power connection of 5ft
cord with fused plug and end cap

Incandescent Rope Light Accessories

ULRL-EXT-3

3ft jumper (linking) cable
for incandescent rope light
Includes two power connectors

DL-TRK-3

3ft clear plastic mounting track
for incandescent rope light
(sold in cases of 40 only)

DL-TRACK-4

4ft clear plastic mounting track
for incandescent rope light

DL-CLIP/SCREW

Clear "U" shaped mounting clip
for incandescent rope light

INCANDESCENT ROPE BULK REELS

Easy to use, flexible, dimmable incandescent reels of rope light with nine color options. UV inhibitor is built into the PVC housing for use outdoors. For UL2388 custom cuts in Clear, see pages 128-129.

Performance
• A popular, economical solution for many accent lighting applications
• 1/2" and 3/8" rope is available in nine colors
• Miniature lamps with 1" spacing and 18" cutting increments
• Dimmable with most incandescent dimmers
• Suitable for indoor and outdoor use (non-rated)

Construction
• Each reel includes five RL-CONKITs (see facing page) and 50 mounting clips.
• 1" spacing in clear, frosted or colored PVC housing with UV inhibitor (18 lamps per 18" series)

Installation
• Use clips to hold in place for most indirect view installations
• Clear plastic track should be used for direct view installations and when mounting to the underside of a shelf or ledge to prevent sagging
• Easy to install - attached conkit and plug into 120V AC receptacle

Specifications

Series	RL and MRL
Input voltage	120V, 60Hz AC
Colors	AM/BL/CL/FR/GR/PI/PU/RE/YE
CRI or nm	96+ s/b N/A
Wattage	5.5W/ft
Lumens	See individual product
Reel length	150 feet
Maximum run	150 feet
Cuttability	18" unless otherwise noted
Beam angle	150° (1/2") and 360° (3/8")
Dimming	1-100% with most standard dimmers*
Material	PVC with UV inhibitor
Rating	UL Listed for wet locations**
Dimensions	3/8" or 1/2" Dia. x 1" bulb spacing
Switching	Wall control
Mounting	Clips or mounting track
Linking	See EXTKIT accessories
LED type	Vertical (1/2"), Horizontal (3/8")
Rated life	25,000 hrs

*Per the NEC, switched wall outlets cannot be used with wall dimmers
**UL Listing is void if product is cut

Incandescent Rope Light 120V Bulk Reels

1/2" 120V INCANDESCENT 150FT REELS
Non-rated, 18" series, 150ft max run

RL-CL-150 Clear, 5.5W/ft, 8Lm/ft
RL-FR-150 Frosted, 5.5W/ft, 6Lm/ft
RL-AM-150 Amber, 5.5W/ft
RL-BL-150 Blue, 5.5W/ft
RL-GR-150 Green, 5.5W/ft
RL-PI-150 Pink, 5.5W/ft
RL-PU-150 Purple, 5.5W/ft
RL-RE-150 Red, 5.5W/ft
RL-YE-150 Yellow, 5.5W/ft

3/8" 120V INCANDESCENT 150FT REELS
Non-rated, 18" series, 150ft max run

MRL-CL-150 Clear, 5.5W/ft, 7.5Lm/ft
MRL-FR-150 Frosted, 5.5W/ft, 5.5Lm/ft
MRL-AM-150 Amber, 5.5W/ft
MRL-BL-150 Blue, 5.5W/ft
MRL-GR-150 Green, 5.5W/ft
MRL-PI-150 Pink, 5.5W/ft
MRL-PU-150 Purple, 5.5W/ft
MRL-RE-150 Red, 5.5W/ft
MRL-YE-150 Yellow, 5.5W/ft

Each 120V reel includes five RL-CONKITs and 50 mounting clips.

Incandescent Rope Light 12V & 24V Bulk Reels

1/2" 12V INCANDESCENT ROPE
Non-rated, sold by the foot
2" series, 16ft max run

DL-CL-12
Clear, 5.5W/ft, 8Lm/ft

1/2" 24V INCANDESCENT ROPE
Non-rated, sold by the foot
4" series, 32ft max run

DL-CL-24
Clear, 5.5W/ft, 8Lm/ft

3/8" 12V INCANDESCENT ROPE
Non-rated, sold by the foot
2" series, 16ft max run

MDL-CL-12
Clear, 5.5W/ft, 7.5Lm/ft

Each 12V and 24V reel ships without any accessories. Order RL-CONKIT-NP (power connector kit without plug)
separately. All accessories below are compatible with low voltage rope except the 120V power conkit.

Incandescent Rope Light Accessories

RL-CONKIT- 1/2" Dia.
MRL-CONKIT 3/8" Dia.
120V non-UL power connector kit with 5ft
cord, power connector, and end cap

RL-EXTKIT2 2ft jumper kit, 1/2" Dia.
RL-EXTKIT15 15ft jumper kit, 1/2" Dia.
Non-UL rope-to-rope extension kit
with two power connectors

RL-INVSPL 1/2" Dia.
MRL-INVSPL 3/8" Dia.
Non-UL splice connector
(use with RL-ST-3 or MRL-ST-3)

RL-ST-3 1/2" Dia.
MRL-ST-3 3/8" Dia.
3" shrink tube, sold in bags of 10

DL-TRACK-4 1/2" Dia.
MDL-TRACK-4 3/8" Dia.
4ft clear mounting track

DL-CLIP/SCREW 1/2" Dia.
MDL-CLIP/SCREW 3/8" Dia.
Clear "U" shaped
mounting clip with screw
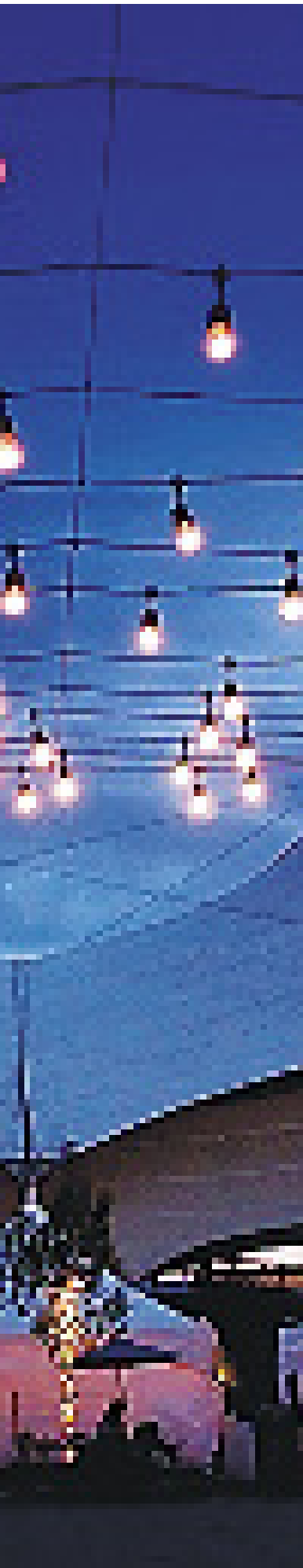
Festive, Decorative, Versatile

LightStar Reels are an economical, low voltage choice often used for tree wraps and event lighting, but now there's an architectural side. The new light shield channel directs light down and aligns the LEDs for railings and light grazing applications. The Festoon Light String is a heavy-duty, robust, custom solution for any application that needs safe, UL Listed, impact resistant, vibration proof multi purpose lighting. Commercial Grade Light Strings are ever-popular, now with ETL Listed strings available.

LightStar Reels   p.134-135
- 0.16W per LED
- 3000K
- 8 Lumens per LED
- IP44 for outdoor use

Festoon Light String   ⓤₛ   p.136-137
- 1.5W LED / 5W, 8.5W, 10W Xenon
- 3000K / 2800K
- 90 lumens
- 3 finish options

Commercial Grade Light String   p.138-139
- 120V AC, 60Hz
- 48ft or 100ft kits and 330ft reels
- Black or Green (kits) and Black, White or Green (reels)
- Medium, suspended medium, intermediate, or candelabra bases

ETL Commercial Grade Light String   ⓔᵗˡ   p.140
- 120V AC, 60Hz
- 48ft kits with 24 sockets
- Black or White
- ETL listed
- Medium or suspended medium bases

LED LIGHTSTAR REELS

Warm White energy efficient LEDs save 75% in running costs over incandescent look alikes, while significantly reducing maintenance costs. Use for tree lighting, festival/tent lighting, accent lighting, decorative lighting, building outlines, architectural details, patios, decks and gazebos.

Performance
• 3mm LEDs with 5.9" LED spacing creates festive point or Warm White LED light
• IP44 rated for outdoor use for damp locations
• Inverted cone shaped lenses glow and sparkle from side and top viewing angles (180° beam angle)

Construction
• Durable PVC sockets molded onto 18AWG SPT-1 wire
• 3mm LEDs are spaced every 5.9" and wired in series (cuttable anywhere)
• Injection molding process seals sockets to wire providing wet location protection and strain relief

Installation
• Requires 12V DC input (power supply sold separately) see various accessory options, including dimmable constant voltage power supplies
• No mounting hardware is included with the LightStar Reels - this product is not recommended for use in spans that are unsupported
• Consider using baling wire or nylon line to anchor beginning and end of tree wraps
• For installations involving span distances, LightStar Reel needs to be supported wth a guy wire or catenary cable (see page 141)
• Be sure to seal all outdoor connections with dielectric grease and shrink tube

*Photos are for representational purposes and do not display actual socket spacing

Specifications

Series	LLR
Input voltage	12V DC only
Color temperature	3000K
CRI or nm	63+ CRI
Wattage	0.16W per LED
Lumens	8Lm per LED
Maximum run	200ft (406 LEDs x 0.16W/LED = 65W)
Beam angle	180°
Dimming	Requires ELV driver (at right)
Material	PVC sockets, 18AWG SPT-1 wire
Lens	5mm Inverted cone
Rating	IP44 for indoor/outdoor use
Dimensions	5/8"W x 9/32"H (socket/lens)
Switching	Branch circuit to power supply
Mounting	Tree wrap, zip ties, catenary
LED type	3mm LEDs (700 per reel)
Rated life	50,000 hrs

LED Lightstar Reels

LLR-6-BK-WW
344.5ft LED Lightstar Reel
5.9" LED Spacing / 0.16W per LED
Max Run 200ft

LED Lightstar Accessories

ELV-60J-12 36-60W output, 2.5A maximum
ELV-80J-12 48-80W output, 3.33A maximum
24V DC Constant voltage hardwire driver w/Jbox;
Class 2; 100-130V AC, 50/60Hz input; Forward/
Reverse phase; TRIAC compatible; 60% minimum
load,; Dimmable; c/ETL/us Listed; Suitable for wet
locations; Junction box for wiring included;
Mount higher than 1ft off the ground
13-3/4"L x 3-1/16"W x 2-5/16"H

LED-DR60-12 1-60W output
12V DC Constant voltage hardwire driver; Class 2
Use with 14AWG (min) supply wire;
Copper conductors only; c/UR/us Recognized;
Enclosure (ENCL-11) sold separately
7-13/16"L x 1-3/4"W x 1-5/8"H

LED-DR100-12 1-100W output
12V DC Constant voltage hardwire driver
15" 3C 18AWG input leads and 15" 2C
16AWG output leads; Use with 14AWG
(min) supply wire, copper conductors only
c/UR/us Recognized;
9"L x 2-9/16"W x 1-5/8"H

LLR-CHAN-4
4ft aluminum mounting channel
and light shield for architectural
applications

FESTOON LIGHT STRING c(UL)us

Made to your specifications with watertight, shock resistant modules in either 12V DC LED or 24V AC Xenon versions.

Performance
• Durable clear polycarbonate globes are shatterproof, weatherproof and resistant to vibrations
• UL Listed, IP68 custom built lengths are made to order (allow 3-4 weeks lead time)
• Provides safe and reliable service even in adverse conditions

Construction
• Durable clear polycarbonate globes cover specially designed sockets, engineered to absorb vibrations
• Stranded tinned copper conductors in heavy duty rubber cable supports spans up to 15 feet
• Injection molded nylon sockets are pre-assembled prior to shipping

Installation
• Requires 12V DC input (power supply sold separately) for LED modules, 24V AC input for Xenon
• For horizontal mount to wall or vertical mount to shine upwards from a ledge, order LFS-CABLE CLIPs (one per module, will ship pre-assembled)
• For span distances greater than 15 feet, Festoon Light String needs to be supported with a guy wire or catenary cable system (see page 141)
• Be sure to seal all outdoor connections with dielectric grease and shrink tube

Ordering Information
When ordering, specify socket spacing and total cable length including lead and tail wire requirements, preferably in a line drawing with notations. Designate the type of socket assembly to be factory-assembled onto cable. Choose between 12V DC LED and 24V AC Xenon shown on facing page. Socket assemblies include clear globes. Colored globes are sold separately.

Specifications

Series	LFS-12V-1.5-LED / LFS-24V
Input voltage	12V DC (LED) / 24V AC, 60Hz (Xenon)
Color temperature	2950K / 2800K
CRI	74 / 99
Wattage	1.5W LED / 5W, 8.5W, 10W Xenon
Lumens	See individual product
Maximum run	300W LED / 600W Xenon
Beam angle	310°
Dimming	N/A
Housing	Rubber cable, nylon sockets
Lens	Polycarbonate globe
Rating	c/UL/us Listed, wet locations
Dimensions	Custom spacing, 2-3/8" globes
Switching	Hardwire
Mounting	Backplate or cable clip
Linking	N/A
Lamp type	9 x 3528 SMD LEDs / T4 Xenon
Rated life	80,000 hrs / 20,000 hrs

Photos are for representational purposes and do not display actual socket spacing

Festoon Light String

12V LED Festoon Socket Assembly
3000K / 1.5W / 80,000hr rated life
Black base; max run = 300W
LFS-12V-1.5-LED-WW 1.5 watts

24V Xenon Festoon Socket Assembly
3000K / 20,000hr rated life
Black base; max run = 600W
LFS-24V-5W 5 watts
LFS-24V-8.5W 8.5 watts
LFS-24V-10W 10 watts

Festoon Light String Accessories

LFS-CABLE Black
12-gauge heavy duty cable
for Festoon Lights

LFS-BP Clear
Mounting backplate with screw
for Festoon Lights

LFS-CABLE-CLIP Black
Cable clip with nail
(sold in bags of 100)

2-3/8" polycarbonate replacement globe
for Festoon Lights
LFS-GLOBE-CL Clear
LFS-GLOBE-BL Blue
LFS-GLOBE-PI Pink
LFS-GLOBE-PU Purple
LFS-GLOBE-RE Red
LFS-GLOBE-YE Yellow

24V Xenon replacement bulb
20,000hr rated life
LFS-5-24-CL 5 watts
LFS-8.5-24-CL 8.5 watts
LFS-10-24-CL 10 watts

12V DC regulated output
driver for use with LED
Festoon Light Strings

LED-DR50-12-LU 50W driver
LED-DR100-12-LU 100W driver
LED-DR150-12-LU 150W driver

24V AC transformer
for use with Xenon
Festoon Light Strings

TR-150-24 150W transformer
TR-300-24 300W transformer
TR-600-24 600W transformer

COMMERCIAL GRADE LIGHT STRING

Commercial grade light string in reels or kits, with three socket size/spacing combinations for decorative/event/festive lighting applications. Suitable for outdoor year-round use.

Performance
• 330ft bulk reels available in E26/24", E17/15" and E12/12" socket size/spacing combinations
• Medium base versions are offered with suspended and non-suspended sockets, also in 48ft and 100ft kits
• Up to 1800 watts can be run from a single power source for medium base reels, and up to 1200 watts for intermediate and candelabra base reels

Construction
• Formulated PVC sockets form a tight seal around the bulb to preclude the entrance of water and moisture
• Cable gauge and type varies - see individual product

Installation
• For spans up to 20 feet, use eyebolts and plastic ties to anchor ends
• For longer spans, use catenary cable (guy wire) with plastic ties at each socket
• Suspended E26 sockets have T-mold with mounting hole; all non-suspended sockets have mounting ears built into the socket bases
• Do not exceed maximum allowed load in any single run or leave any sockets empty

Specifications

Series	COMMERCIAL GRADE LS
Input voltage	120V AC, 60Hz
Color temperature	Depends on lamps used
CRI	Depends on lamps used
Wattage	See individual product
Lumens	Depends on lamps used
Maximum run	See individual product
Beam angle	Depends on lamps used
Dimming	Depends of lamps used
Material	PVC sockets, 2-C cable
Rating	N/A
Dimensions	As noted
Switching	Wall control or branch circuit
Mounting	Catenary wire (optional)
Linking	N/A
Rated life	Depends on lamps used

*Photos are for representational purposes and do not display actual socket spacing

Medium Base Light String

Medium Base – Black

LS-M-24-48-BK
48ft (24 sockets); 600W max per string

LS-M-24-100-BK
100ft (50 sockets); 1250W max per string

Medium Base – Green

LS-M-24-48-GR
48ft (24 sockets); 600W max per string

Medium Base Light String, 24" socket spacing (25W max/socket), 14AWG SJTW wire, 120V plugs and terminated ends

Suspended Medium Base Light String

Suspended Medium Base – Black

LS-MS-24-48-BK
48ft (24 sockets); 600W max per string

LS-MS-24-100-BK
100ft (50 sockets); 1250W max per string

Suspended Medium Base – Green

LS-MS-24-48-GR
48ft (24 sockets); 600W max per string

Suspended Medium Base – White

LS-MS-24-48-WH
48ft (24 sockets); 600W max per string

LS-MS-24-100-WH
100ft (50 sockets); 1250W max per string

Suspended Medium Base Light String, 24" socket spacing (25W max/socket), 14AWG SJTW wire, 120V plugs and terminated ends

Medium Base Light String Bulk Reels

Medium Base Light String 330ft Reel
24" socket spacing (25W max/socket)
14AWG SJTW wire, 1800W max
No plug or terminated end
LS-M-24-BK Black
LS-M-24-GR Green

Suspended Medium Base Light String 330ft Reel
24" socket spacing (25W max/socket)
14AWG SJTW wire, 1800W max
No plug or terminated end
LS-MS-24-BK Black
LS-MS-24-GR Green
LS-MS-24-WH White

Intermediate Base Light String Bulk Reels

Intermediate Base Light String
330ft reel, 15" spacing
16AWG SPT-2 wire, 1200W max
No plug or terminated end

LS-I-15-BK Black
LS-I-15-GR Green
LS-I-15-WH White

Candelabra Base Light String
330ft reel, 12" spacing
16AWG SPT-2 wire, 1200W max
No plug or terminated end

LS-C-12-BK Black
LS-C-12-GR Green
LS-C-12-WH White

SPT-2 Male Plugs
Slide-on, two prong plugs for
SPT-2 wire only
(bags of 25 only)

M-PLUG-BK-SPT2-B Black
M-PLUG-WH-SPT2-B White

ETL COMMERCIAL GRADE LIGHT STRING

Popular decorative light strings that can interconnect via grounded plugs and sockets, while maintaining the cETLus safety rating for year-round use.

Performance
• Medium base sockets are spaced every 24" on center
• Suspended light string has a 2-3/4" lead from the top of the suspended socket to the center of the cable, available in White or Black
• Non-suspended light string is available in Black only
• 48ft light strings can support up to 1440 watts total (see Professional Decorative lamps and/or incandescent S14 lamps (no lamps are included with light string)

Construction
• 14AWG SJTW 3-wire cable with grounded plug and socket allow multiple light strings to be interconnected
• Formulated PVC sockets form a tight seal around the bulb to preclude the entrance of water and moisture
• Suspended socket has T-mold with mounting hole and non-suspended has two mounting ears built into the base

Installation
• For spans up to 20 feet, use eyebolts and plastic ties to anchor ends
• For longer spans, use catenary cable (guy wire) with plastic ties at each socket
• Do not exceed 1440 watts in any single run
• Cutting the cable will void the c/ETL/us listing
• Be sure to fill every socket with a lamp
• Use end cover at the end of the last light string to keep out water

Specifications

Series	ETLS
Input voltage	120V AC, 60Hz
Color temperature	N/A
CRI	N/A
Maximum run	1440W; 10 light strings max when using LED lamps
Beam angle	N/A
Dimming	Depends on lamps used
Material	PVC sockets, 3-C SJTW 14AWG cable
Cuttability	Non-rated if cut
Rating	c/ETL/us for wet locations
Dimensions	As noted
Switching	Wall control or branch circuit
Mounting	Catenary wire (optional)
Linking	Directly end-to-end or with outdoor rated extension cables
Rated life	Depends on lamps used

ETL Commercial Grade Light String

ETLS-M-24-48-BK 48ft (24 sockets)
ETL Medium Base Light String - Black
Interconnectable up to 1440W

ETL Listed Commercial Grade Light String, 24" spacing (40W max/socket), 14AWG SJTW 3-wire cable, male/female ends.

*Photos are for representational purposes and do not display actual socket spacing

ETLS-MS-24-48-BK 48ft (24 sockets)
ETL Suspended Medium Base Light String - Black
Interconnectable up to 1440W

ETLS-MS-24-48-WH 48ft (24 sockets)
ETL Suspended Medium Base Light String - White
Interconnectable up to 1440W

CATENARY CABLE

Multi purpose cable with cable locks for quick, reliable support up to 330 pounds or load and spans up to 110 feet.

Performance
• Perfect for extra support when using commercial grade light string
• 500ft reels available for large scale projects (order cable locks separately)
• Catenary Cable Kits come with 2 cable locks for use with loads up to 200lbs

Construction
• 1/8" Diameter outdoor rated galvanized cable and clips resist corrosion
• Kits include cable (60ft or 110ft length), (2) cable fasteners, and (1) cable release key.

Installation
• Cable fasteners can be attached without the use of tools and adjusted quickly and easily
• For projects that require little to no cable sag, the tightening tool can be used with the standard kits for tightening up to 200 pounds and with the heavy-duty fasteners up to 330 lbs

Shown with optional LS-LOCK-10

Catenary Cable Kits & Bulk Reels

Catenary Cable Kits

LS-CABLE-60 60ft
LS-CABLE-110 110ft

Catenary Cable Bulk Reel

LS-CABLE-500 500ft

Catenary Cable Kits come with 2 cable locks for use with loads up to 200lbs

Catenary Cable Accessories

LS-LOCK-4
Cable Lock for 1/8" cable
Heavy-duty lockable fasteners
support loads up to 330lbs
(4 per bag)

LS-TT
Tensioning Tool - option to eliminate sag from cable
Never tighten cable before load is attached.
Never over-tighten cable.
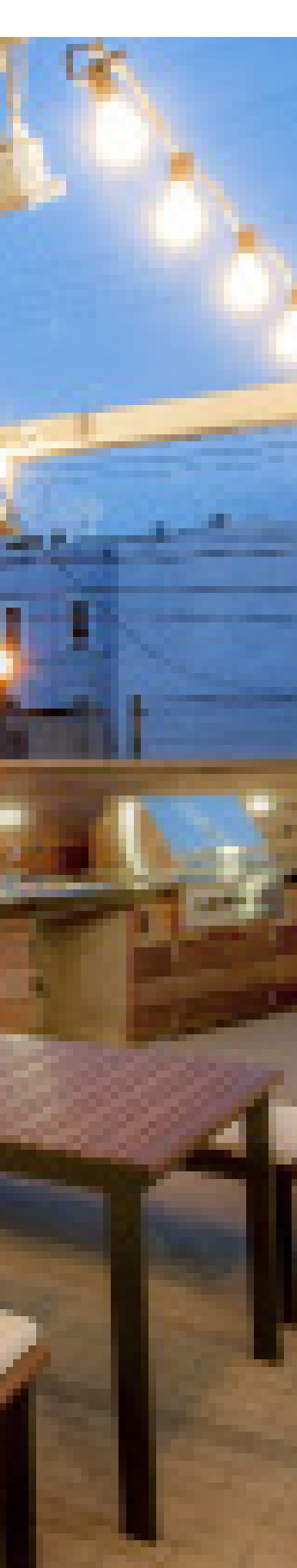
Festive, Decorative, Versatile

For direct replacement of incandescent lamps for year-round outdoor use, the Pro Decorative Series saves 86-93% compared to conventional filament lamps. There are over 60 lamps to choose from, including medium base, intermediate, and candelabra styles, with many color options.

S14 `c(UL)us` — p.144-145
- 1.4W, E26 Base
- Transparent or Opaque Glass
- 4 CCT and 4 color options

A15 `c(UL)us` — p.146
- 1.4W, E26 Base
- Transparent or Opaque Glass
- 4 CCT options

Candelabra `c(UL)us` — p.147
- 1W, E12 Base
- Transparent or Opaque Glass
- 4 CCT options

G50 `c(UL)us` — p.148
- 1.4W, E26 Base
- Transparent or Opaque Glass
- 4 CCT options

G45 `c(UL)us` — p.149
- 1.4W, E26 Base
- Transparent Glass
- 4 color options

G40 `c(UL)us` — p.150
- 1.2W, E26 Base
- Transparent or Opaque Glass
- 4 CCT and 4 color options

G40 E17 `c(UL)us` — p.151
- 1W, E17 Base
- Transparent or Opaque Glass
- 4 CCT and 4 color options

G30 `c(UL)us` — p.152
- 0.5W, E12 Base
- Transparent or Opaque Glass
- 4 CCT and 4 color options

C7 `c(UL)us` — p.153
- 0.5W, E12 Base
- Transparent or Opaque Glass
- 4 CCT and 4 color options

PRO DECORATIVE S14   c(UL)us

An array of LED S14 lamps for direct replacement of 11W incandescent versions, saving 87% in running costs.

Performance
• Four color temperatures available (5500K Bright White to 1900K Deluxe Warm White) and four color options with clear and opaque glass bulbs
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque white glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in medium base sockets

Specifications

Series	PS14
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	1.4W
Dimming	Yes
Lens	Transparent or opaque glass
Rating	c/UL/us Listed for wet locations
Dimensions	3-5/16" M.O.L. x 1-3/4" Dia.
Base	E26
Rated life	25,000 hrs

PS14F-E26-WH
Bright White (5500K)
Opaque white glass bulb
1.4W / 60Lm / E26 base

PS14F-E26-WW
Warm White (2700K)
Opaque white glass bulb
1.4W / 45Lm / E26 base

PS14-E26-WH
Bright White (5500K)
Transparent glass bulb
1.4W / 48Lm / E26 base

PS14-E26-WW
Warm White (2700K)
Transparent glass bulb
1.4W / 36Lm / E26 base

PS14-E26-UWW
Ultra Warm White (2400K)
Transparent glass bulb
1.4W / 30Lm / E26 base

PS14-E26-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
1.4W / 22Lm / E26 base

PS14-E26-BL
Blue LED
Transparent glass bulb
1.4W / E26 base

PS14-E26-GR
Green LED
Transparent glass bulb
1.4W / E26 base

PS14-E26-RE
Red LED
Transparent glass bulb
1.4W / E26 base

PS14-E26-YE
Yellow LED
Transparent glass bulb
1.4W / E26 base

PS14F-E26-BL
Blue LED
Opaque blue glass bulb
1.4W / E26 base

PS14F-E26-GR
Green LED
Opaque green glass bulb
1.4W / E26 base

PS14F-E26-RE
Red LED
Opaque red glass bulb
1.4W / E26 base

PS14F-E26-YE
Yellow LED
Opaque yellow glass bulb
1.4W / E26 base

PRO DECORATIVE A15 c(UL)us

Attractive LED A15 lamps for direct replacement of 15W incandescent versions, saving 90% in running costs.

Performance
• Multiple color temperatures available from 5500K
  Bright White to 1900K Deluxe Warm White
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers
  (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque
  white glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V
  AC use in medium base sockets

Specifications

Series	PA15
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	1.4W
Dimming	Yes
Lens	Transparent or opaque white glass
Rating	c/UL/us Listed for wet locations
Dimensions	3-5/16" M.O.L. x 1-7/8" Dia.
Base	E26
Rated life	25,000 hrs

PA15F-E26-WH

Bright White (5500K)
Opaque white glass bulb
1.4W / 60Lm / E26 base

PA15F-E26-WW

Warm White (2700K)
Opaque white glass bulb
1.4W / 45Lm / E26 base

PA15-E26-WH

White (5500K)
Transparent glass bulb
1.4W / 48Lm / E26 base

PA15-E26-WW

Warm White (2700K)
Transparent glass bulb
1.4W / 36Lm / E26 base

PA15-E26-UWW

Ultra Warm White (2400K)
Transparent glass bulb
1.4W / 30Lm / E26 base

PA15-E26-XWW

Deluxe Warm White (1900K)
Transparent glass bulb
1.4W / 22Lm / E26 base

PRO DECORATIVE CANDELABRA c(UL)us

Candelabra base (E12) bent tip LED lamps can be used in indoor or wet location chandeliers, lanterns and E12 base light string, saving 93% in running costs over 15W incandescent candelabra lamps rated for only 2,500 hours.

Performance
• Multiple color temperatures of LEDs housed in clear or opaque glass bulbs with decorative bent tips
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque colored glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in candelabra (E12) sockets

Specifications

Series	PCA10
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	1W
Dimming	Yes
Lens	Transparent or opaque glass
Rating	c/UL/us Listed for wet locations
Dimensions	2-1/16" M.O.L. x 7/8" Dia.
Base	E12
Rated life	25,000 hrs

PCA10F-E12-WH
Bright White (5500K)
Opaque white glass bulb
1W / 45Lm / E12 base

PCA10F-E12-WW
Warm White (2700K)
Opaque white glass bulb
1W / 32Lm / E12 base

PCA10-E12-WH
Bright White (5500K)
Transparent glass bulb
1W / 36Lm / E12 base

PCA10-E12-WW
Warm White (2700K)
Transparent glass bulb
1W / 25Lm / E12 base

PCA10-E12-UWW
Ultra Warm White (2400K)
Transparent glass bulb
1W / 21Lm / E12 base

PCA10-E12-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
1W / 15Lm / E12 base

PRO DECORATIVE G50 ᶜ(UL)ᵤₛ

Spherical LED G50 (50mm diameter) lamps for direct replacement of 10W incandescent versions, saving 86% in running costs.

Performance
• Multiple color options, including color temperatures
  ranging from 1900K Deluxe Warm White to 5500K
  Bright White and two lamps with opaque glass bulbs
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers
  (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque
  colored glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use
  in medium base sockets

Specifications

Series	PG50
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	1.4W
Dimming	Yes
Lens	Transparent or opaque white glass
Rating	c/UL/us Listed for wet locations
Dimensions	2-13/16" M.O.L. x 2" Dia.
Base	E26
Rated life	25,000 hrs

PG50F-E26-WH
Bright White (5500K)
Opaque white glass bulb
1.4W / 60Lm / E26 base

PG50F-E26-WW
Warm White (2700K)
Opaque white glass bulb
1.4W / 45Lm / E26 base

PG50-E26-WH
Bright White (5500K)
Transparent glass bulb
1.4W / 48Lm / E26 base

PG50-E26-WW
Warm White (2700K)
Transparent glass bulb
1.4W / 36Lm / E26 base

PG50-E26-UWW
Ultra Warm White (2400K)
Transparent glass bulb
1.4W / 30Lm / E26 base

PG50-E26-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
1.4W / 22Lm / E26 base

PRO DECORATIVE G45 ⓤ

Use attractive LED G45 lamps for direct replacement of 10W incandescent versions and save 86% in running costs.

Performance
• Lamps available in four color options with clear glass bulbs
• Similar to an S11 sign lamp (same 45mm diamter), but with a shorter overall length 73.5mm instead of 84mm)
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in medium base sockets

Specifications

Series	PG45
Input voltage	120V, 60Hz AC
Color temperature	N/A
Lumens	N/A
Wattage	1.4W
Dimming	Yes
Lens	Transparent glass
Rating	c/UL/us Listed for wet locations
Dimensions	2-13/16" M.O.L. x 2" Dia.
Base	E26
Rated life	25,000 hrs

PG45-E26-BL
Blue LED
Transparent glass bulb
1.4W / E26 base

PG45-E26-GR
Green LED
Transparent glass bulb
1.4W / E26 base

PG45-E26-RE
Red LED
Transparent glass bulb
1.4W / E26 base

PG45-E26-YE
Yellow LED
Transparent glass bulb
1.4W / E26 base

PRO DECORATIVE G40 ⓒ(UL)us

Spherical LED G40 (40mm diameter) lamps for direct replacement of 10W incandescent versions, saving 88% in running costs.

Performance

• Multiple colors and color temperature of LEDs housed in clear or opaque glass bulbs
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction

• Transparent glass bulbs enhance sparkle and opaque colored glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in medium sockets

Specifications

Series	PG40
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	1.2W
Dimming	Yes
Lens	Transparent or opaque glass
Rating	c/UL/us Listed for wet locations
Dimensions	2-7/16" M.O.L. x 1-5/8" Dia.
Base	E26
Rated life	25,000 hrs

PG40F-E26-WH
Bright White (5500K)
Opaque white glass bulb
1.2W / 60Lm / E26 base

PG40F-E26-WW
Warm White (2700K)
Opaque white glass bulb
1.2W / 45Lm / E26 base

PG40-E26-WH
Bright White (5500K)
Transparent glass bulb
1.2W / 48Lm / E26 base

PG40-E26-WW
Warm White (2700K)
Transparent glass bulb
1.2W / 36Lm / E26 base

PG40-E26-UWW
Ultra Warm White (2400K)
Transparent glass bulb
1.2W / 30Lm / E26 base

PG40-E26-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
1.2W / 22Lm / E26 base

PG40F-E26-BL
Blue LED
Opaque blue glass bulb
1.2W / E26 base

PG40F-E26-GR
Green LED
Opaque green glass bulb
1.2W / E26 base

PG40F-E26-RE
Red LED
Opaque red glass bulb
1.2W / E26 base

PG40F-E26-YE
Yellow LED
Opaque yellow glass bulb
1.2W / E26 base

PRO DECORATIVE G40 E17 ⓒ(UL)us

Intermediate base (E17) spherical LED G40 lamps for direct replacement of 7.5W incandescent E17 lamps and save 87% in running costs.

Performance
• Multiple colors and color temperature of LEDs housed in clear or opaque glass bulbs
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque colored glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in intermediate (E17) sockets

Specifications

Series	PG40 Intermediate (E17) base
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	1W
Dimming	Yes
Lens	Transparent or opaque glass
Rating	c/UL/us Listed for wet locations
Dimensions	2-1/4" M.O.L. x 1-5/8" Dia.
Base	E17
Rated life	25,000 hrs

PG40F-E17-WH
Bright White (5500K)
Opaque white glass bulb
1W / 55Lm / E17 base

PG40F-E17-WW
Warm White (2700K)
Opaque white glass bulb
1W / 40Lm / E17 base

PG40-E17-WH
Bright White (5500K)
Transparent glass bulb
1W / 45Lm / E17 base

PG40-E17-WW
Warm White (2700K)
Transparent glass bulb
1W / 32Lm / E17 base

PG40-E17-UWW
Ultra Warm White (2400K)
Transparent glass bulb
1W / 25Lm / E17 base

PG40-E17-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
1W / 20Lm / E17 base

PG40F-E17-BL
Blue LED
Opaque blue glass bulb
1W / E17 base

PG40F-E17-GR
Green LED
Opaque green glass bulb
1W / E17 base

PG40F-E17-RE
Red LED
Opaque red glass bulb
1W / E17 base

PG40F-E17-YE
Yellow LED
Opaque yellw glass bulb
1W / E17 base

PRO DECORATIVE G30

Spherical LED G30 (30mm diameter) lamps for direct replacement of 5W incandescent E12 lamps, saving 90% in running costs.

Performance
• Multiple colors and color temperature of LEDs housed in clear or opaque glass bulbs
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque colored glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in candelabra (E12) sockets

Specifications

Series	PG30
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	0.5W
Dimming	Yes
Lens	Transparent or opaque glass
Rating	c/UL/us Listed for wet locations
Dimensions	1-11/16" M.O.L. x 1-3/16" Dia.
Base	E12
Rated life	25,000 hrs

PG30F-E12-WH
Bright White (5500K)
Opaque white glass bulb
0.5W / 18Lm / E12 base

PG30F-E12-WW
Warm White (2700K)
Opaque white glass bulb
0.5W / 14Lm / E12 base

PG30-E12-WH
Bright White (5500K)
Transparent glass bulb
0.5W / 18Lm / E12 base

PG30-E12-WW
Warm White (2700K)
Transparent glass bulb
0.5W / 14Lm / E12 base

PG30-E12-UWW
Ultra Warm White (2400K)
Transparent glass bulb
0.5W / 12Lm / E12 base

PG30-E12-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
0.5W / 9Lm / E12 base

PG30F-E12-BL
Blue LED
Blue opaque glass bulb
0.5W / E12 base

PG30F-E12-GR
Green LED
Green opaque glass bulb
0.5W / E12 base

PG30F-E12-RE
Red LED
Red opaque glass bulb
0.5W / E12 base

PG30F-E12-YE
Yellow LED
Yellow opaque glass bulb
0.5W / E12 base

PRO DECORATIVE C7 (UL)

Candelabra base (E12) cone shaped LED C7 lamps for direct replacement of 7W incandescent E12 lamps and save 93% in running costs.

Performance
• Multiple colors and color temperature of LEDs housed in clear or opaque glass bulbs
• IP65 rated for wet location use
• c/UL/us Listed for indoor and outdoor use
• Dimmable with CFL/LED dimmers (minimum loads will apply)

Construction
• Transparent glass bulbs enhance sparkle and opaque colored glass bulbs illuminate evenly
• Nickel base resists corrosion
• SMD LED is powered by driver on board for 120V AC use in candelabra (E12) sockets

Specifications

Series	PC7
Input voltage	120V, 60Hz AC
Color temperature	5500K / 2700K / 2400K / 1900K
Lumens	See individual product
Wattage	0.5W
Dimming	Yes
Lens	Transparent or opaque glass
Rating	c/UL/us Listed for wet locations
Dimensions	2-1/16" M.O.L. x 7/8" Dia.
Base	E12
Rated life	25,000 hrs

PC7F-E12-WH
Bright White (5500K)
Opaque white glass bulb
0.5W / 18Lm / E12 base

PC7F-E12-WW
Warm White (2700K)
Opaque white glass bulb
0.5W / 14Lm / E12 base

PC7-E12-WH
Bright White (5500K)
Transparent glass bulb
0.5W / 18Lm / E12 base

PC7-E12-WW
Warm White (2700K)
Transparent glass bulb
0.5W / 14Lm / E12 base

PC7-E12-UWW
Ultra Warm White (2400K)
Transparent glass bulb
0.5W / 12Lm / E12 base

PC7-E12-XWW
Deluxe Warm White (1900K)
Transparent glass bulb
0.5W / 9Lm / E12 base

PC7F-E12-BL
Blue LED
Opaque blue glass bulb
0.5W / E12 base

PC7F-E12-GR
Green LED
Opaque green glass bulb
0.5W / E12 Base

PC7F-E12-RE
Red LED
Opaque red glass bulb
0.5W / E12 Base

PC7F-E12-YE
Yellow LED
Opaque yellow glass bulb
0.5W / E12 Base

Step & Stair Safety

In order to provide adequate lighting for the whole flight of stairs, consider lighting more than just each landing. This is especially true for exterior staircases and and longer flights of stairs. Sometimes a linear lighting tool can be used inside a handrail or under each overhanging tread. If not, a recessed stair/step lighting fixture mounted in the adjacent wall will boost light levels and stair safety. Choose between indoor and indoor/outdoor step lighting fixtures, available in square, round and rectangular shapes. For exterior stairs, be sure to select a step light rated for wet location, such as the SGL Series, the CIR Series or the new BB (Brick Light) Series.

SGL c(UL)us   p.156-157
- 1.5W
- 3200K (WW), 468nm for BL
- 37 Lumens (WW)
- 4 style options in 3 finishes

Outer Circle (ETL)   p.158-159
- 2.5W
- 3000K (WW), 444nm (BL)
- 258 Lumens (WW)
- 2 style options in 3 finishes

Inner Square (ETL)   p.160
- 1W
- 3000K
- 90 lumens
- 3 finish options

Brick Light c(UL)us   p.162-163
- 3W
- 3200K (WW)
- 140 lumens
- 3 style options in 3 finishes

Mini   p.164-165
- 1.25W
- 3000K
- 23 lumens
- Stainless Steel finish

LED STEP LIGHTS

SGL STEP LIGHT ᶜ(UL)us

Now available in both 12V and 120-277V Warm White versions, and 120-277V Blue! No rough in box required, these indoor/outdoor LED Step Lights are easy to install for stair safety and visibility.

Performance
• Five faceplate styles in three finishes
• Warm White 3200K or Blue LED light modules do not build up heat and eliminate routine lamp replacements
• Save over 85% in running costs (1.5W LED versus 10W incandescent)
• Blue or Warm White light engines are sold separately from faceplates to optimize inventory investment

Construction
• Durable cast zinc-magnesium faceplate with powder coated painted finish for White and Dark Bronze (plated for Brushed Steel)
• Sealed light engine is rated for wet locations (IP65)

Installation
• No proprietary rough-in kit required - the LED Step Light mounts to a standard depth single gang junction box (watertight gasket for single gang box is included)
• Connect sets of LED Step Lights to a branch circuit and use a wall switch for On/Off control
• Convenient 7" 18AWG lead wires speed installation

Specifications

Series	SGL
Input voltage	12V DC or 120-277V AC 60Hz
Color temperature	3200K for WW, 468nm for BL
CRI	80+ (SGL-LED-WW)
Wattage	1.5W
Lumens	37Lm (WW)
Beam angle	Varies by faceplate
Dimming	N/A
LED module	Heavy duty plastic
Lens	White acrylic
Rating	c/UL/us Listed for wet locations
Dimensions	See individual product
Switching	Wall control
Mounting	Standard single gang junction box
LED type	12 x 0.06W LEDs
Rated life	50,000 hrs

Building a System

Determine Layout:
Determine locations of step lights and install standard depth single gang junction boxes in each location. Orient vertically or horizontally as applicable. Use watertight junction box with weatherproof gasket for wet locations

Select a Light Engine:
Order light engines: Choose from 12V or 120V Warm White, or 120V Blue

Select a Faceplate:
Order faceplates: Choose from five styles in three finishes

LED Step Light

SGL-LED-WW 120-277V 1.5W / 37Lm
SGL-LED-WW-12V 12V 1.5W / 37Lm
Light Module - Warm White
2-3/4"W x 4-1/2"H x 1-1/2"D

SGL-LED-BL 120-277V 1.5W / 468nm
Light Module - Blue
2-3/4"W x 4-1/2"H x 1-1/2"D

Step Light Faceplates

SMOOTH LENS
SGL-SM-DB (Dark Bronze)
SGL-SM-SS (Stainless Steel)
SGL-SM-WH (White)
2-15/16"W x 4-3/4"H x 3/8"D

VERTICAL LOUVER
SGL-VL-DB (Dark Bronze)
SGL-VL-SS (Stainless Steel)
SGL-VL-WH (White)
2-15/16"W x 4-3/4"H x 3/8"D

VERTICAL SCOOP
SGL-VS-DB (Dark Bronze)
SGL-VS-SS (Stainless Steel)
SGL-VS-WH (White)
2-15/16"W x 4-3/4"H x 1-1/16"D

HORIZONTAL WAVE
SGL-HW-DB (Dark Bronze)
SGL-HW-SS (Stainless Steel)
SGL-HW-WH (White)
2-15/16"W x 4-3/4"H x 3/8"D

HORIZONTAL LOUVER
SGL-HL-DB (Dark Bronze)
SGL-HL-SS (Stainless Steel)
SGL-HL-WH (White)
2-15/16"W x 4-3/4"H x 3/8"D

OUTER CIRCLE STEP LIGHT

Durable round step lights fit into standard depth 4" round junction boxes and are suitable for outdoor installation, available in Warm White and Blue, 100-240V AC models.

Performance
• Choose from smooth or louvered faceplates available in powder coat Dark Bronze, White, and plated Stainless Steel
• Low profile faceplates with beveled edges measure only 3/8" deep and 4-3/4" in diameter
• Choose from 3000K Warm White or Blue for use with 100-240V AC input

Construction
• Heavy duty plastic light module is fully sealed for use in wet locations (IP67)
• Die-cast aluminum faceplates have durable powder coat or plated finishes to withstand UV and moisture
• Frosted tempered glass lens diffuses light

Installation
• No proprietary rough-in box needed - light module installs into standard 4" round junction boxes (use watertight j-box and weatherproof gasket for wet locations)
• 8" lead wires stripped to 3/8" quickly connect to 120-240V supply wiring

Specifications

Series	OUTER CIRCLE
Input voltage	100-240V, 60Hz AC
Color temperature	3000K (WW), 444nm (BL)
CRI	80+ (CIR-WW)
Wattage	2.5W
Lumens	258Lm (WW)
Beam angle	120°
Dimming	N/A
Housing	Heavy duty plastic
Lens	Frosted tempered glass
Rating	c/ETL/us Listed for wet locations
Dimensions	4-3/4"Dia. x 3/8"D faceplate
Switching	Branch circuit
Mounting	4" round j-box
LED type	15 x SMD LEDs
Rated life	50,000 hours

Building a System

Determine Layout:
Determine locations of step lights and install standard depth 4" round junction boxes in each location. Use watertight junction box with weatherproof gasket for wet locations

Select a Light Engine:
Order light engines: Choose from Warm White Blue

Select a Faceplate:
Order faceplates: Choose from two styles in three finishes

Outer Circle Step Light

CIR-WW
Light Module - Warm White
3000K / 2.5W / 258Lm

CIR-BL
Light Module - Blue
444nm / 2.5W

Outer Circle Faceplates

CIR-SM-DB
Smooth Faceplate - Dark Bronze

CIR-SM-SS
Smooth Faceplate - Stainless Steel

CIR-SM-WH
Smooth Faceplate - White

CIR-LV-DB
Louvered Faceplate - Dark Bronze

CIR-LV-SS
Louvered Faceplate - Stainless Steel

CIR-LV-WH
Louvered Faceplate - White

INNER SQUARE STEP LIGHT

With a built-in wiring compartment, there is no need for a rough-in box. Easy to install with 120V supply wiring, this sleek recessed step light provides a no-glare, modern look.

Performance
• Mini stair-step grooves bounce light into the space while the white acrylic lens softens and diffuses the LED light
• Fifteen Warm White LEDs with 85+ CRI create pools of incandescent-like light without shadows or cutoffs
• Three finishes available

Construction
• Galvanized steel junction box attached to die-cast aluminum faceplate with steel spring clips
• Removable j-box cover plate opens to spacious wiring compartment with built-in knockouts and built-in strain relief side clamps
• Suitable for dry or damp locations

Installation
• Recess mount to drywall via 2-3/8"W x 2-5/8"H cut-out
• Install multiples to single branch circuit by pulling 'loops' of 120V supply wire to step light locations
• Steel spring clips secure faceplate against wall

Specifications

Series	SQ-1
Input voltage	120V, 60Hz AC
Color temperature	3000K
CRI	85+
Wattage	1.0W
Lumens	60Lm
Beam angle	110°
Dimming	N/A
Housing	Built-in galvanized junction box
Lens	White acrylic
Rating	c/ETL/us Listed, damp, IC rated
Dimensions	3"W x 3-1/16"H x 1/8"D faceplate
Switching	Branch circuit
Mounting	Recessed, 2-3/8" x 2-5/8" cut-out
LED type	15 x 2835 SMD LEDs
Rated life	30,000 hrs

Inner Square Step Light

SQ-1-DB
Inner Square - Dark Bronze
1W / 60Lm

SQ-1-SS
Inner Square - Stainless Steel
1W / 60Lm

SQ-1-WH
Inner Square - Matte White
1W / 60Lm

BRICK LIGHT c(UL)us

Line voltage (120-277V) or low (12V) versions of the classic brick light with Warm White LED light for up to available in three styles and three finishes.

Performance
• Reliable Warm White LED light saves 85% in running costs over 20W incandescent versions
• 3200K light with 70+ CRI lasts up to 50,000 hours, eliminating the hassle of routine lamp replacements
• Choose from three classic faceplate styles in three popular finishes

Construction
• Die-cast zinc-magnesium rough-in housing with durable painted finish and three 1/2" NPS knockouts with plugs
• Sturdy plastic, fully sealed light module with built-in driver for AC input
• White acrylic lens
• Suitable for outdoor installations

Installation
• Recess BB-HSG rough-in housing into 7-3/8" x 2-5/8" x 2-3/4" deep cavity
• Feed supply wires in from center back or use side knockouts for feed-through power
• Faceplates include tamper-proof Allen head mounting screws, Allen wrench and matching screw covers

Specifications

Series	BRICK LIGHT
Input voltage	120V, 60Hz AC or 12V DC
Color temperature	3200K
CRI	70+
Wattage	3W
Lumens	140Lm (module only)
Beam angle	110°
Dimming	N/A
Housing	Zinc-magnesium/heavy duty plastic
Lens	White acrylic
Rating	c/UL/us Listed for wet locations
Dimensions	See individual product
Switching	Branch circuit
Mounting	Recessed, use BB-HSG rough-in
Linking	Via side knockouts
LED type	24 x SMD LEDs
Rated life	50,000 hrs

Building a System

Determine Layout:
Determine quantity of brick lights and order rough-in housing (BB-HSG) for each location
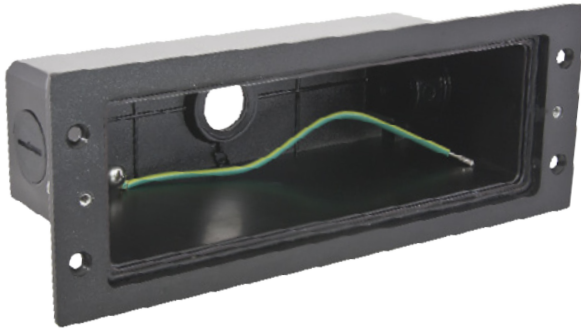
Select a Light Engine:
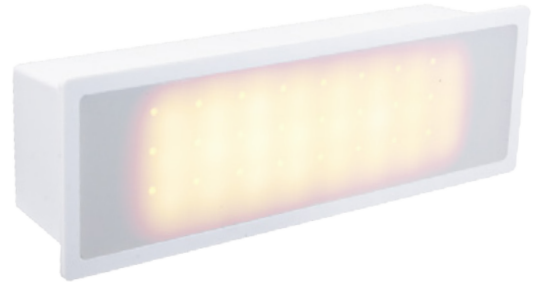Order light engines for each location: Choose from 120V, 60Hz AC or 12V DC Warm White

Select a Faceplate:
Order faceplates: Choose from three styles in three finishes

LED Brick Light

BB-HSG
BRICK LIGHT ROUGH-IN HOUSING
8-1/2"W x 3-1/8"H x 3-1/8"D

BB-LED-WW (120-277V AC)
BB-LED-WW-12V (12V DC)
LED LIGHT MODULE
3W / 140Lm
7-1/16"W x 2-3/16"H x 2-3/8"D

Brick Light Faceplates

BB-HL-DB
Horizontal Louver - Dark Bronze
8-5/8"W x 3-1/4"H x 3/8"D

BB-HL-SS
Horizontal Louver - Stainless Steel
8-5/8"W x 3-1/4"H x 3/8"D

BB-HL-WH
Horizontal Louver - White
8-5/8"W x 3-1/4"H x 3/8"D

BB-SM-DB
Smooth - Dark Bronze
8-5/8"W x 3-1/4"H x 3/8"D

BB-SM-SS
Smooth - Stainless Steel
8-5/8"W x 3-1/4"H x 3/8"D

BB-SM-WH
Smooth - White
8-5/8"W x 3-1/4"H x 3/8"D

BB-HH-DB
Hooded - Dark Bronze
8-5/8"W x 3-1/4"H x 1-1/8"D

BB-HH-SS
Hooded - Stainless Steel
8-5/8"W x 3-1/4"H x 1-1/8"D

BB-HH-WH
Hooded - White
8-5/8"W x 3-1/4"H x 1-1/8"D

MINI STEP LIGHT

The beveled trim, frosted glass lens and deeply regressed LED make a sleek, low profile, low glare lighting solution for many stair safety applications.

Performance
• 3000K Warm White light with 82+ CRI mimics incandescent
• Low glare design has attractive beveled brushed steel trim ring measuring only 1/8" high
• No lamps to replace - long life low maintenance LEDs last up to 60,000 hours

Construction
• Beveled brass trim ring has durable brushed steel plated finish and tempered frosted glass lens
• Trim threads easily onto epoxy filled steel light engine housing, and waterproof o-ring seals the connection
• Heavy duty steel spring clips hold light firmly in place
• 38" 24AWG lead wire has attached power connector

Installation
• Constant current design requires 350mA DC driver and series wiring for proper installation
• Recess mount into 1-1/2" cut-out
• Connect multiples to a branch circuit and use a wall switch for On/Off control; or use with dimming driver and wall dimmer
• Various series wiring connection accessories to choose from, including a hardwire power connection hub

Specifications

Series	MINI STEP
Input voltage	350mA, 50/60Hz DC
Color temperature	3000K
CRI	82+
Wattage	1.25W
Lumens	23Lm
Maximum run	2-14 non dimming; 12 dimming
Beam angle	81°
Dimming	Use LED-DR18-350D2
Housing	Steel with epoxy resin fill
Trim	Brushed steel plated brass
Lens	Frosted tempered glass
Rating	IP65
Dimensions	2" Dia. x 1-1/2"H
Switching	Wall control/dimmer
Mounting	Recessed only
Linking	Via series wiring accessories
LED type	350mA 1W high power LED
Rated life	60,000 hrs

Building a System

Determine Layout:
Determine quantities and locations of fixtures.
Determine type of installation:
1. Daisy-chain
2. Hub system (up to six fixtures)

Select Linking Accessories:
1. Daisy chain: Order one less LED-CON2-350 than fixture quantity
2. Hub system: Order LED-CON6-350 or LED-CON6

Select Power Supply:
Use jumper cables for extension.

Mini Step Light

023-0001
LED Mini Step Light - Brushed Steel
1.25W / 23 Lm

Mini Step Light Accessories

LED-CON6-350HW
Hardwire power connection hub
with 78" lead and mounting tab
2-3/4"W x 2-1/8"D x 11/16"H

LED-CON6-350
Series power connector with (3) LED-
END-350s, 78" lead and mounting hole
1-7/8"L x 1-1/4"W

LED-CON3-350
Series power connector with (1)
LED-END-350, 78" lead and mounting hole
2-1/4"L x 9/16"W

LED-CON2-350
Series power connector with 78"
lead and mounting hole
1-1/2"L x 9/16"W

LED-END-350
Series End Cap for use with
LED-CON2-350, LED-CON3-350
and LED-CON6-350

Mini Step Light Power Supplies

LED-DR18-350D2
350mA dimmable hardwire constant
current driver with 8" lead wires
Class 2, 3-18W, c/UR/us Recognized
5-1/4"L x 1-5/8"W x 1-1/4"H

LED-DR16-350
350mA hardwire constant current driver
Class 2, 4-16W, c/UR/us Recognized
3-1/2"L x 1-5/8"W x 1-3/16"H

LED-DR20-350
350mA hardwire constant current driver
Class 2, 9-20W, c/UR/us Recognized
6-5/8"L x 1-1/2"W x 1-3/16"H

Variety and Performance

Ground floods are the main tools used to illuminate office park and subdivision signage, and multiple fixtures are used along perimeter walls and landscape backdrops, to create a rhythm of light and dark.

Wide beam angles with smooth light distribution create high visibility without strong cut-offs. The Bullet Ground Flood and the Square Ground Flood have narrow beam optics available for more specialized applications.

Bullet c(UL)us   p.168
- 20W
- 4700K
- 1073 lumens
- 25° optics, wire guard and visor accessories available
- c/UL/us Listed for wet locations

Square c(UL)us   p.169
- 13W
- 4700K
- 767 lumens
- 25° optics available
- c/UL/us Listed for wet locations

Rectangular c(UL)us   p.170
- 39W
- 4000K
- 3014 lumens
- c/UL/us Listed for wet locations

Radar c(UL)us   p.171
- 14W / 32W
- 5000K
- 1398 / 2894 lumens
- Photocell capable
- c/UL/us Listed for wet locations

BULLET GROUND FLOOD ⓒ(UL)us

This classic bullet fixture has optional compatible accessories such as 25° optics (includes 60°), wire guard and visor to be attached on site as needed.

Performance
• 60° beam angle (standard) can be field modified to 25° (see GFL-925-OPT below)
• IP65 rated Ground Bullet uses only 20 watts to produce 1073 lumens, to save 78% over 90PAR38 versions
• Use guard to protect lens and/or hood to limit upward light

Construction
• Die-cast aluminum body with internal 120-277V driver
• COB LEDs are mounted to aluminum plate for best heat dissipation
• Plastic optical lens is protected by gasket lined tempered glass lens cover
• Knuckle markings range from -90° to +90° with markings every 10° to assist with beam tilt

Installation
• Power stake is available (sold separately) for ground or concrete installation
• Fixture's knuckle can be mounted to wet location junction box cover (1/2" NPS)
• Locking knuckle keeps tilt from moving
• Theatrical gels can be sourced separately for color enhancement in landscaping applications

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on mounting 5ft from wall at 60°
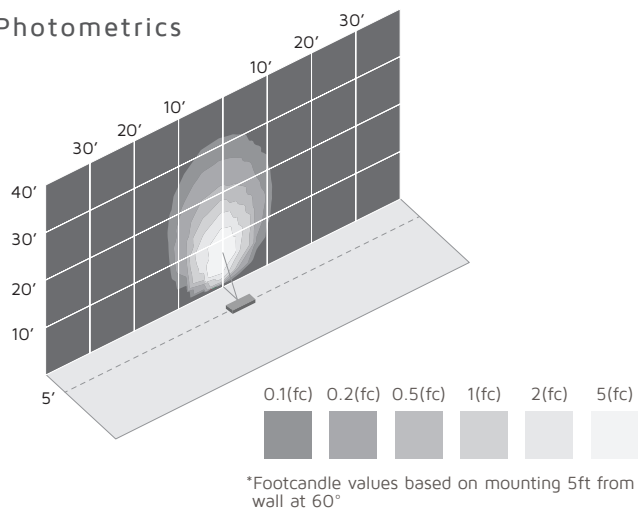
Specifications

Series	GFL-960
Input voltage	100-277V AC, 50/60Hz
Color temperature	4700K
CRI	75+
Wattage	20W
Lumens	1073Lm
Beam angle	60° optics included
Housing	Die-cast coated aluminum
Lens	Tempered glass cover/plastic lens
Rating	c/UL/us Listed for wet locations
Dimensions	5-7/16"Dia.(head) x 8-3/4"L
Switching	Branch circuit, photocell
Mounting	Power stake or wet location j-box
LED type	9 x SMD LEDs
Rated life	50,000 hrs

Bullet Ground Flood & Accessories

GFL-960-47-DB
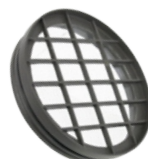Bullet Ground Flood
20W / 1073Lm

GFL-PVC-PS
PVC Power Stake
with stabilizer fins and 1/2"
NPT threaded cap

GFL-925-OPT
Optics for 25° beam angle
(replaces 60° optics included)

C1-DB
Canopy with weatherproof gasket
(See facing page for accessory photo)

GFL-9G-DB
Wire guard lens

GFL-9V-DB
45° angled visor

PC-120 (120V AC) **PC-277** (208-277V AC)
Dusk to dawn pencil photocell
(See facing page for accessory photo)

SQUARE GROUND FLOOD c(UL)us

Another classic shape, the squared housing with stepped reliefs, has optional 25° optics (sold separately) that can be field installed for tighter beam control.

Performance
• 60° beam angle (standard) can be field modified to 25° (see GSQ-625-OPT below, sold separately)
• IP65 rated Square Ground Flood uses only 13 watts to produce 767 lumens, saving 74% compared to 50PAR30 versions

Construction
• Die-cast aluminum body with internal 120-277V driver
• COB LEDs are mounted to aluminum plate for best heat dissipation
• Plastic optical lens is protected by gasket lined tempered glass lens cover
• Knuckle markings range from -90° to +90° with markings every 10° to assist with beam tilt

Installation
• Power stake is available (sold separately) for ground or concrete installation
• Fixture's knuckle can be mounted to wet location junction box cover (1/2" NPT)
• Locking knuckle keeps tilt from moving
• Theatrical gels can be sourced separately for color enhancement in landscaping applications

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on mounting 5ft from wall at 60°
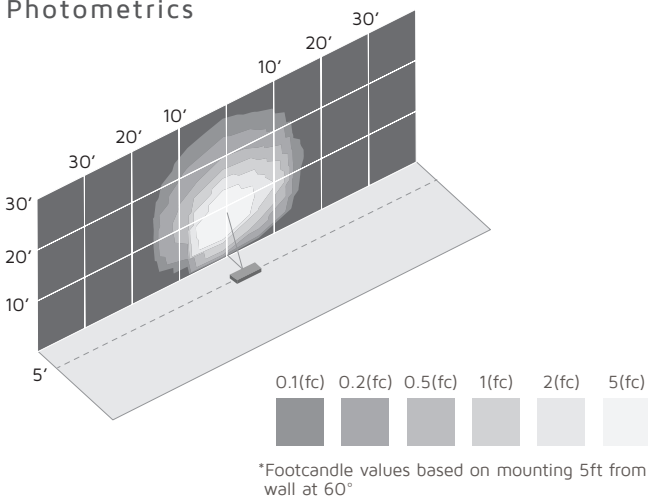
Specifications

Series	GSQ-660
Input voltage	100-277V AC, 50/60Hz
Color temperature	4700K
CRI	75+
Wattage	13W
Lumens	767Lm
Beam angle	60° optics included standard
Housing	Die-cast coated aluminum
Lens	Tempered glass cover/plastic lens
Rating	c/UL/us Listed for wet locations
Dimensions	4" square (head) x 6-3/4"L
Switching	Branch circuit, photocell
Mounting	Power stake or wet location j-box
LED type	6 x SMD LEDs
Rated life	50,000 hrs

Square Ground Flood & Accessories

GSQ-660-47-DB
Square Ground Flood
13W / 767Lm

GFL-PVC-PS
PVC Power Stake
with stabilizer fins and 1/2"
NPT threaded cap

GSQ-625-OPT
Optics for 25° beam angle
(replaces 60° optics included)

C1-DB
Canopy with
weather proof
gasket

PC-120 (120V AC)
PC-277 (208-277V AC)
Dusk to dawn pencil
photocell for 1/2"
NPS hole

RECTANGULAR GROUND FLOOD ⓤ

The rectangular ground flood powerhouse is a multi purpose utilitarian fixture with a smooth 103°x 100° beam angle for even distribution.

Performance
• High output COB LED produces 3500 lumens using only 39 watts, saving 74% over 150 watt halogen floods
• Long life LED saves in labor costs by reducing lamp replacements
• IP65 rated housing and attached visor have a durable powder coat finish for great resistance to the elements

Construction
• Die-cast aluminum body with internal 120-277V driver
• COB LED has specular aluminum reflector to boost light output and aid with wide light distribution
• COB and reflector are protected by gasket lined tempered glass lens cover which is sealed to frame
• Knuckle markings range from -90° to +90° with markings every 30° to assist with beam tilt

Installation
• Power stake is available (sold separately) for ground or concrete installation
• Fixture's knuckle can be mounted to wet location junction box surface mounted to or recessed into concrete
• 1/2" NPS knuckle has internal serrations and locknut to secure fixture orientation

Photometrics

0.1(fc)	0.2(fc)	0.5(fc)	1(fc)	2(fc)	5(fc)
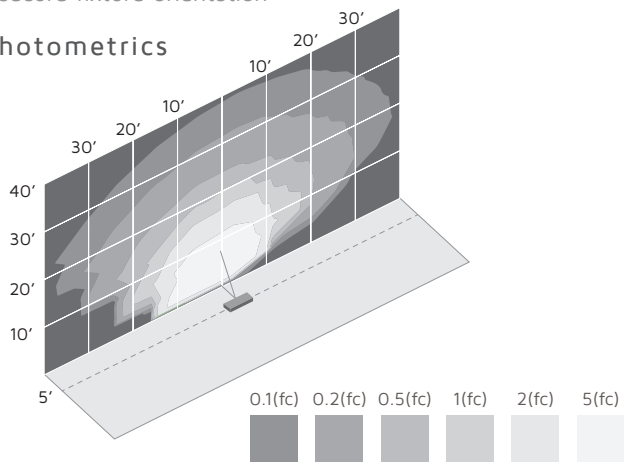
*Footcandle values based on mounting 5ft from wall at 60°

Specifications

Series	GFL-R1
Input voltage	100-277V AC, 50/60Hz
Color temperature	4000K
CRI	80+
Wattage	39W
Lumens	3500Lm
Beam angle	103°H x 100°V
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	9"W x 7-1/16"H x 5"D (head)
Switching	Branch circuit
Mounting	Power stake or wet location j-box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Rectangular Ground Flood & Accessories

GFL-R1-40-DB
Rectangular Ground Flood
39W / 3500Lm

GFL-PVC-PS
PVC Power Stake
with stabilizer fins and
1/2" NPT threaded cap

C1-DB
Canopy with
weather proof
gasket

PC-120 (120V AC)
PC-277 (208-277V AC)
Dusk to dawn pencil
photocell for 1/2"
NPS hole

RADAR GROUND FLOOD ⒸⓊⓁus

The LED Radar Ground Flood is a distinctive looking fixture with two performance levels, both offering a smooth 100°x 120° beam angle for even distribution.

Performance
• Long life high output COB LED saves in labor costs by reducing lamp replacements
• One housing offers two performance levels depending upon project needs: the 14-watt version emits 1398 lumens and the 32-watt version emits 2700 lumens
• IP65 rated fixture is also available in a wall mount version

Construction
• Die-cast aluminum body with internal 120-277V driver
• COB LED is mounted to aluminum plate for heat dissipation and protected by gasket lined tempered glass lens cover
• Ample junction box has 1/2" NPS threaded holes with plugs for use with pencil photocell (sold separately)
• Knuckle markings range from -90° to +90° with markings every 10° to assist with beam tilt

Installation
• 1/2" NPS knuckle has internal serrations and locknut to secure fixture orientation - 6mm Allen required to set beam tilt (not included)
• Ample sized j-box has 1/2" NPS threaded holes with plugs for locating optional photocell
• Power stake is available (sold separately) for ground or concrete installation
• Alternatively, knuckle can be mounted to wet location junction box

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on mounting 5ft from wall at 60°
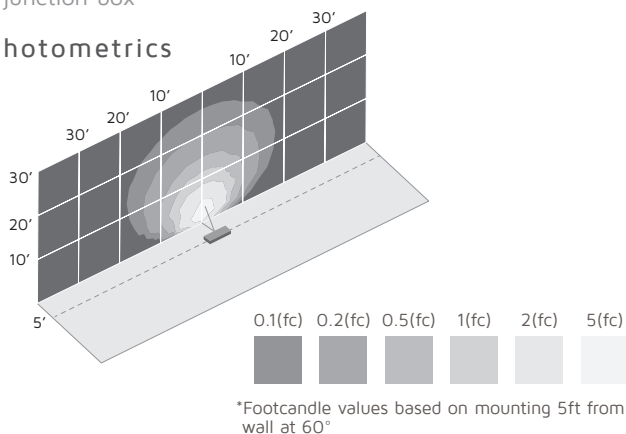
Specifications

Series	GFL-RAD1 / GFL-RAD2
Input voltage	100-277V AC, 50/60Hz
Color temperature	5000K
CRI	75+
Wattage	14W / 32W
Lumens	1398Lm / 2699Lm
Beam angle	120°
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	7-3/8"W x 2-3/4"H x 8"D (head)
Switching	Branch circuit
Mounting	Power stake or wet location j-box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

LED Radar Ground Flood & Accessories

GFL-RAD1-50-DB (14W / 1398Lm)
GFL-RAD2-50-DB (32W / 2699Lm)
LED Radar Ground Flood with knuckle j-box assembly

GFL-PVC-PS
PVC Power Stake with stabilizer fins and 1/2" NPT threaded cap

C1-DB
Canopy with weather proof gasket

PC-120 (120V AC)
PC-277 (208-277V AC)
Dusk to dawn pencil photocell for 1/2" NPS hole

Canopy / Area Lighting

Area floods cover a broad set of applications from warehouse and parking structures to large yards and residential security. The yoke-mount Panorama Pro series and Area Flood 20 or 30 are very versatile since there are multiple performance levels which can be mounted within four feet of the ground, for ground flood applications.

The LED Canopy Light measures only 3" high, features multiple knockouts and a wide beam angle.

Canopy Light c(UL)us p.174
- 40W
- 4000K
- 2682 lumens
- Low profile

LED Barn Light c(UL)us (DLC) p.175
- 38W
- 4000K
- 2727 lumens
- DLC compliant

Panorama Sunset c(UL)us p.176-179
- 8.3W - 30W
- 3000K
- 572 - 2376 lumens
- Variety of size and style options in two finishes

Panorama Pro c(UL)us p.180-183
- 10W - 50W
- 3000K and 4500K
- 750 - 3800 lumens
- Variety of sizes in two finishes
- Can be used as a ground flood

Area Flood 30 c(UL)us p.184
- 58W
- 4700K
- 4001 lumens
- Variety of mounting options
- Can be used as a ground flood
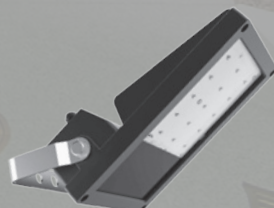
Area Flood 20 c(UL)us p.185
- 47W
- 4700K
- 3329 lumens
- Variety of mounting options
- Can be used as a ground flood

COB CANOPY c(UL)us

A low profile design for confined spaces and maximum clearance, now with an efficient COB (Chip on Board) LED.

Performance
• Durable low profile canopy light measures only 3.75" high
• COB LED delivers nearly 2700 lumens of 4000K white light using only 40 watts
• Less maintenance and much higher color rendering compared to mercury vapor and other HID sources

Construction
• Die-cast aluminum housing with perimeter heat sink fins for maximum heat dissipation
• Clear prismatic acrylic lens protects COB LED
• IP65 housing is sealed with waterproof gasket where lens meets housing

Installation
• Use 1/2" NPS holes on any side for input or through wiring with 1/2" conduit
• Fixture can be mounted as a "pendant" with 3/4" conduit using 1/2" NPS hole on center back of housing
• Remove lens to access integrated universal mounting bracket, then replace being careful not to overtighten

Photometrics
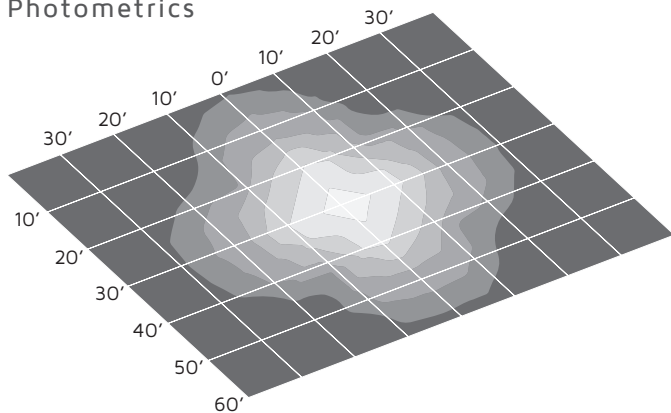
0.1(fc)	0.2(fc)	0.5(fc)	1(fc)	2(fc)	5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	GC-C1 (COB)
Input voltage	120-277V AC, 50/60 Hz
Color temperature	4000K
CRI	80+
Wattage	40W
Lumens	2682Lm
Beam angle	169°
Housing	Die-cast coated aluminum
Lens	Clear prismatic acrylic
Rating	c/UL/us Listed for wet locations
Dimensions	10"L x 10"W x 3"H
Switching	Branch circuit
Mounting	Surface or suspended
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

COB Canopy & Accessories

GC-C1-40-DB
COB Canopy Light
40W / 2682Lm

PC-120 (120V AC)
PC-277 (208-277V AC)

Dusk to dawn pencil photocell
for 1/2" NPS hole

LED BARN LIGHT

The Barn Light flood light can be mounted directly to a wall or pole, or to a new or existing mounting arm. Use as a retrofit for 100 or 175 watt HID sources to save 60-77% in running costs and eliminate ballast replacements.

Performance
• High output area flood light with hood is DLC listed for dark sky compliance
• COB LED emits over 2700 lumens using only 38 watts
• Less maintenance and much higher color rendering compared to mercury vapor and other HID sources

Construction
• Die-cast aluminum housing with removable spun aluminum hood/visor
• Clear radially prismatic acrylic lens protects COB LED
• IP65 housing is sealed with waterproof gasket for lens and waterproof grommet for leads exiting housing

Installation
• Mounts to wall or pole with no additional parts (10mm hex head lag screws included)
• Mounts to existing pipe (1-1/4" - 1-3/4" O.D) with steel mounting bracket (included with fixture)
• 1-5/8" mounting arm with mounting bracket sold separately for new construction (BL-ARM-DB)
• Twist-and-lock photocontrol must be used to keep IP65 rating, rotate 'eye' north or away from wall for best results

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.
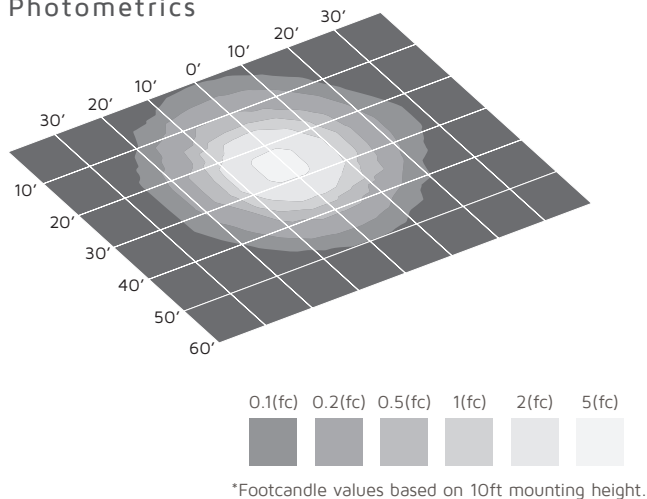
Specifications

Series	BL-C1 (COB)
Input voltage	120V AC, 60 Hz; 277V option*
Color temperature	4000K
CRI	83+
Wattage	38W
Lumens	2727Lm
Beam angle	94.5°
Housing	Die-cast coated aluminum
Lens	Clear prismatic acrylic
Rating	c/UL/us Listed for wet locations
Dimensions	7-1/4"Dia. x 4-1/4"L extension
Switching	Built-in photocell
Mounting	Wall or pole (new or existing)
LED specs	COB (Chip on Board) LED
Rated life	50,000 hrs

*120V twist-and-lock photocontrol is included with fixture. Use TLP-120-277 below for replacement photocontrol (sold separately). If furnished by others, photocontrol must be twist-and-lock type.

LED Barn Light & Accessories

BL-C1-40-DB
LED Barn Light
38W / 2727Lm

BL-ARM-DB
90° 1-5/8" O.D. arm with steel mounting brackets (Dark Bronze)

TLP-120-277 (120-277V AC)
Dusk to dawn photocontrol with twist-and-lock type plug connection

PANORAMA SUNSET 30 ᶜ(UL)ᵤₛ

Energy efficient Warm White light (3000K) with 73CRI provides safety/multi-purpose lighting for many security/safety lighting applications.

Performance
• Save 70% when retrofitting 100W metal halide versions with the 30W rectangular flood
• Built-in universal voltage drivers accept 100-277V AC input
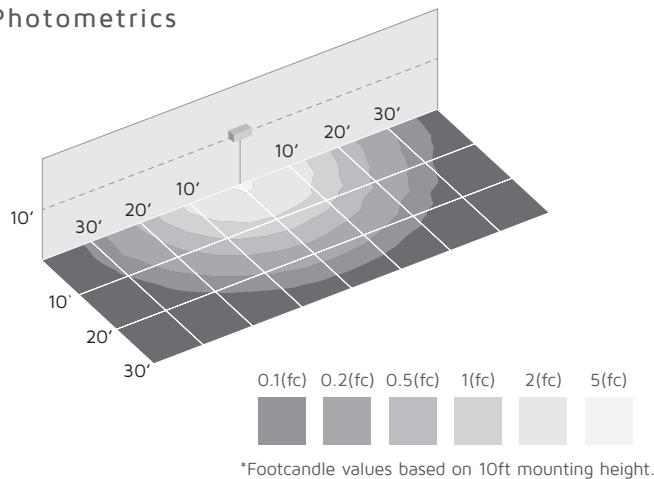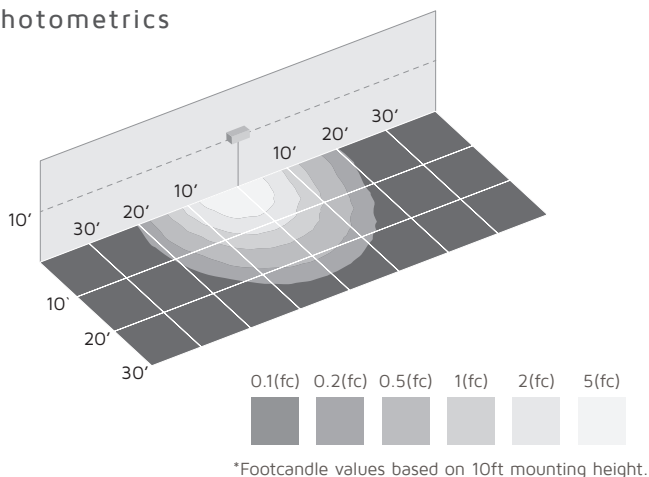• Broad horizontal beam angle offers wide coverage

Construction
• UV resistant powder coating for outstanding corrosion protection and exposure to the elements.
• Tempered glass lens with molded gasket and silicone seal
• Swivel arms for precise placement

Installation
• Designed for residential or light commercial use
• Combine neoprene gasket with field application of silicone at each arm attachment to ensure wet location rating (IP65)
• Can be mounted 4 feet or more above ground in areas such as eaves or roof lines lighting parking areas, walkways and surrounding areas
• Canopies have a 1/2" NPS threaded hole with plug for optional pencil photocell (sold separately)

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	ALV2-30WR
Input voltage	100-277V AC
Color temperature	3000K
CRI	73+
Wattage	30W
Lumens	2376Lm
Beam angle	60° x 120°, 183° tilt
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	4.43"W(base) x 7.75"W x 5.75"H
Switching	Branch circuit
Mounting	4" round/octagonal junction box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Sunset 30 & Accessories

ALV2-30WF-DB (Dark Bronze)
ALV2-30WF-WH (White)

Panorama Sunset 30
3000K / 30W / 2376Lm

AL-4C-DB
4" extension arm
(Dark Bronze)

AL-4C-WH
4" extension arm
(White)

PC-120 (120V AC)
PC-277 (208-277V AC)

Dusk to dawn pencil photocell
for 1/2" NPS hole

PANORAMA SUNSET 15

Energy efficient Warm White light (3000K) with 79 CRI provides safety/multi-purpose lighting for many security/safety lighting applications.

Performance
- Save 70% when retrofitting 70W metal halide fixtures with the 20.8W rectangular flood
- Built-in universal voltage drivers accept 100-277V AC input
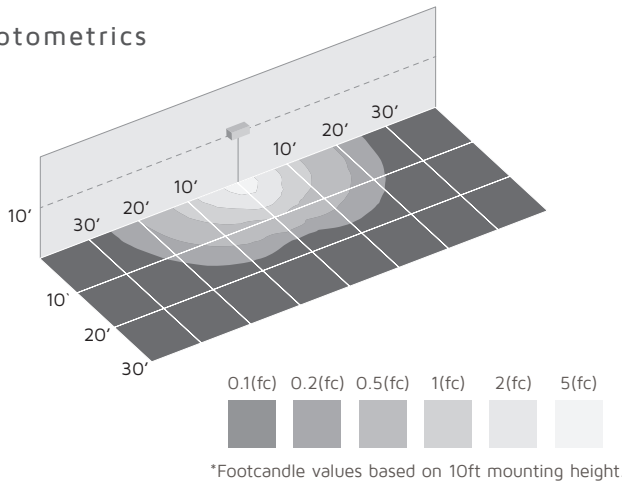- Broad horizontal beam angle offers wide coverage

Construction
- UV resistant powder coating for outstanding corrosion protection and exposure to the elements.
- Tempered glass lens with molded gasket and silicone seal
- Swivel arms for precise placement

Installation
- Designed for residential or light commercial use
- Combine neoprene gasket with field application of silicone at each arm attachment to ensure wet location rating (IP65)
- Can be mounted 4 feet or more above ground in areas such as eaves or roof lines lighting parking areas, walkways and surrounding areas
- Canopies have a 1/2"NPS threaded hole with plug for optional pencil photocell (sold separately)

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	ALV2-WF
Input voltage	100-277V AC
Color temperature	3000K
CRI	79+
Wattage	20.8W
Lumens	1320Lm
Beam angle	60° x 120°, 183° tilt
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	4.43"W(base) x 6.50"W x 4.43"H
Switching	Branch circuit
Mounting	4" round/octagonal junction box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Sunset 15 & Accessories

ALV2-WF-DB (Dark Bronze)
ALV2-WF-WH (White)
Panorama Sunset 15
3000K / 20.8W / 1320Lm

AL-4C-DB
4" extension arm (Dark Bronze)

AL-4C-WH
4" extension arm (White)

PC-120 (120V AC)
PC-277 (208-277V AC)
Dusk to dawn pencil photocell for 1/2" NPS hole

PANORAMA SUNSET DOUBLE c(UL)us

Energy efficient Warm White light (3000K) with 74 CRI provides safety/multi-purpose lighting for many security/safety lighting applications.

Performance
• Use double head floods as a direct replacement for conventional flood lights with 50PAR30 halogen lamps for an 84% energy savings (15.9 watts total versus 100)
• Built-in universal voltage drivers accept 100-277V AC input
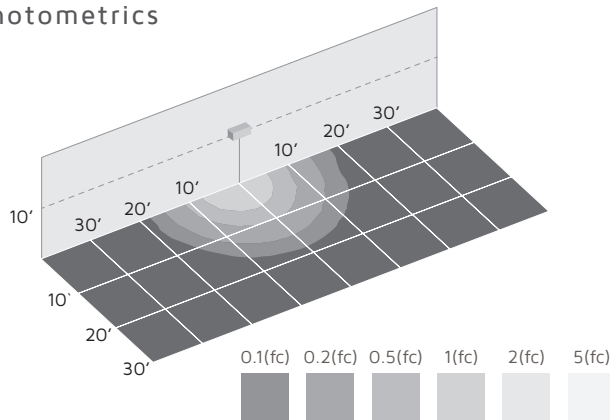• Broad horizontal beam angle offers wide coverage

Construction
• UV resistant powder coating for outstanding corrosion protection and exposure to the elements.
• Tempered glass lens with molded gasket and silicone seal
• Swivel arms for precise placement

Installation
• Designed for residential or light commercial use
• Combine neoprene gasket with field application of silicone at each arm attachment to ensure wet location rating (IP65)
• Can be mounted 4 feet or more above ground in areas such as eaves or roof lines lighting parking areas, walkways and surrounding areas
• Canopies have a 1/2" NPS threaded hole with plug for optional pencil photocell (sold separately)

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	ALV2-2H
Input voltage	100-277V AC
Color temperature	3000K
CRI	74+
Wattage	15.9W
Lumens	1144Lm
Beam angle	2 x 95° beam angle
	2 x 105° tilt
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	4.43"W (base) x 6.50"H
Switching	Branch circuit
Mounting	4" round/octagonal junction box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Sunset Double & Accessories

ALV2-2H-DB (Dark Bronze)
ALV2-2H-WH (White)
Panorama Sunset Double
3000K / 15.9W / 1144Lm

AL-4C-DB
4" extension arm
(Dark Bronze)

AL-4C-WH
4" extension arm
(White)

PC-120 (120V AC)
PC-277 (208-277V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

PANORAMA SUNSET SINGLE ᶜ(UL)ᵘˢ

Energy efficient Warm White light (3000K) with 74 CRI provides safety/multi-purpose lighting for many security/safety lighting applications.

Performance

- Use single head floods as a direct replacement for conventional flood lights with 50PAR30 halogen lamps for an 83% energy savings (8.3 watts versus 50)
- Built-in universal voltage driver accepts 100-277V AC input
- Broad horizontal beam angle offers wide coverage

Construction

- UV resistant powder coating for outstanding corrosion protection and exposure to the elements.
- Tempered glass lens with molded gasket and silicone seal
- Swivel arms for precise placement

Installation

- Designed for residential or light commercial use
- Combine neoprene gasket with field application of silicone at each arm attachment to ensure wet location rating (IP65)
- Can be mounted 4 feet or more above ground in areas such as eaves or roof lines lighting parking areas, walkways and surrounding areas
- Canopies have a 1/2" NPS threaded hole with plug for optional pencil photocell (sold separately)

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	ALV2-IH
Input voltage	100-277V AC
Color temperature	3000K
CRI	74+
Wattage	8.3W
Lumens	572Lm
Beam angle	95°, 180° tilt
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	4.43"W(base) x 6.75"H
Switching	Branch circuit
Mounting	4" round/octagonal junction box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Sunset Single & Accessories

ALV2-1H-DB (Dark Bronze)
ALV2-1H-WH (White)
Panorama Sunset Single
3000K / 8.3W / 572Lm

AL-4C-DB
4" extension arm
(Dark Bronze)

AL-4C-WH
4" extension arm
(White)

PC-120 (120V AC)
PC-277 (208-277V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

PANORAMA PRO 501 ᶜ⒰ℒ⒰ᵘˢ

Rated for use as a ground flood or a wall mounted security flood, with COB technology for greater efficacy.

Performance
• High output COB LED produces up to 3800 lumens using only 50 watts, saving 67% over 150 watt halogen floods
• Long life LED saves in labor costs by reducing lamp replacements
• IP65 rated housing has attached yoke with 180° tilt and durable powder coat finish for great resistance to the elements
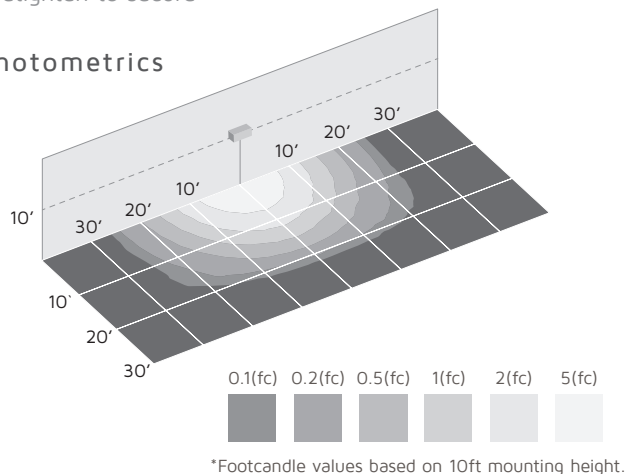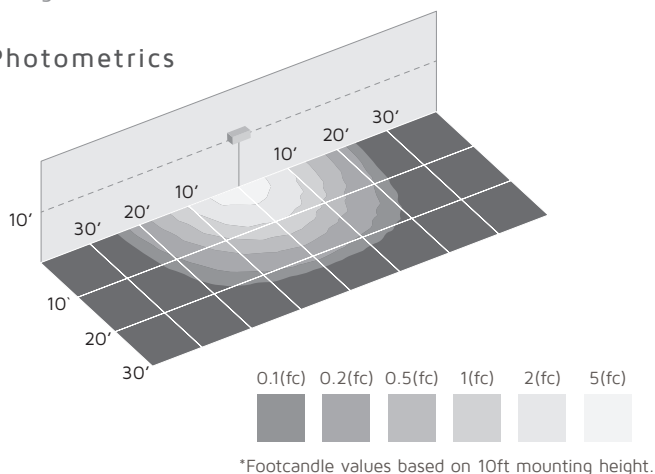
Construction
• Die-cast aluminum body with internal 120-277V driver and 16" 3-conductor 18AWG SJTW 'whip'
• COB LED has aluminum reflector to boost light output and create a wide beam of even light distribution
• COB and reflector are protected by gasket lined tempered glass lens cover which is sealed to frame

Installation
• Canopy kit includes 1/2" NPS threaded hole for use with pencil photocell and/or for use with 4" round watertight junction box (order each separately)
• Fixture can be mounted to structural part of building or to concrete pad located at ground level using attached yoke, then 'whip' routed to watertight junction box located nearby (within ± 12")
• Loosen 10mm bolts at side of yoke to set tilt, then retighten to secure

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	Panorama PRO 501
Input voltage	100-277V, 50/60Hz AC
Color temperature	3000K / 4500K
CRI	75+
Wattage	50W
Lumens	3500Lm / 3800Lm
Beam angle	106° (180° tilt)
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	11-1/4"W x 9-1/8"H x 5-5/8"D
Switching	Branch circuit or photocell*
Mounting	Yoke, canopy or watertight j-box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Pro 501 & Accessories

FL-501-30-DB (Dark Bronze)
FL-501-30-WH (White)
Panorama Pro 501
3000K / 50W / 3500Lm

FL-501-45-DB (Dark Bronze)
FL-501-45-WH (White)
Panorama Pro 501
4500K / 50W / 3800Lm

FL-C-DB (Dark Bronze)
C-501-WH (White)
Canopy Mount for FL Floods
*Includes 1/2" NPS for photocell

PC-120 (120V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

PANORAMA PRO 301 c(UL)us

Rated for use as a ground flood or a wall mounted security flood, with COB technology for greater efficacy.

Performance
• High output COB LED produces up to 2350 lumens using only 30 watts, saving 70% over 100 watt halogen floods
• Long life LED saves in labor costs by reducing lamp replacements
• IP65 rated housing has attached yoke with 180° tilt and durable powder coat finish for great resistance to the elements
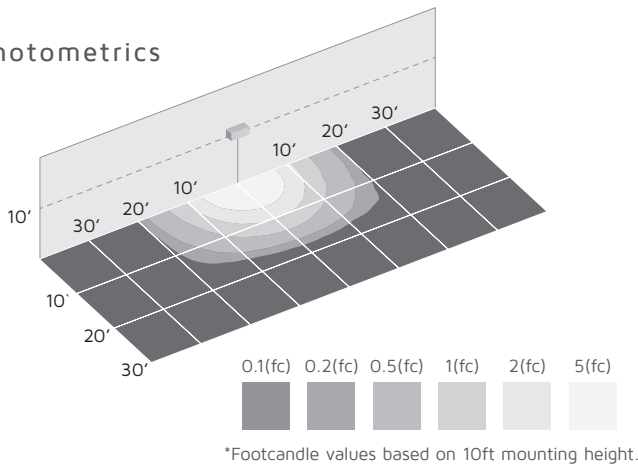
Construction
• Die-cast aluminmum body with internal 120-277V driver and 16" 3-conductor 18AWG SJTW 'whip'
• COB LED has aluminum reflector to boost light output and create a wide beam of even light distribution
• COB and reflector are protected by gasket lined tempered glass lens cover which is sealed to frame

Installation
• Canopy kit includes 1/2" NPS threaded hole for use with pencil photocell and/or for use with 4" round watertight junction box (order each separately)
• Fixture can be mounted to structural part of building or to concrete pad located at ground level using attached yoke, then 'whip' routed to watertight junction box located nearby (within ± 12")
• Loosen 10mm bolts at side of yoke to set tilt, then retighten to secure

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.

Specifications

Series	Panorama PRO 301
Input voltage	100-277V, 50/60Hz AC
Color temperature	3000K / 4500K
CRI	75+
Wattage	30W
Lumens	2300Lm / 2350Lm
Beam angle	106° (180° tilt)
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	8-7/8"W x 7-1/4"H x 5"D
Switching	Branch circuit or photocell*
Mounting	Yoke, canopy or watertight j-box
LED specs	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Pro 301 & Accessories

FL-301-30-DB (Dark Bronze)
FL-301-30-WH (White)
Panorama Pro 301
3000K / 30W / 2300Lm

FL-301-45-DB (Dark Bronze)
FL-301-45-WH (White)
Panorama Pro 301
4500K / 30W / 2350Lm

FL-C-DB (Dark Bronze)
C-501-WH (White)
Canopy Mount for FL Floods
*Includes 1/2" NPS for photocell

PC-120 (120V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

PANORAMA PRO 201 c(UL)us

Rated for use as a ground flood or a wall mounted security flood, with COB technology for greater efficacy.

Performance

• High output COB LED produces up to 1700 lumens using only 20 watts, saving 80% over 50 watt halogen floods
• Long life LED saves in labor costs by reducing lamp replacements
• IP65 rated housing has attached yoke with 180° tilt and durable powder coat finish for great resistance to the elements

Construction

• Die-cast aluminum body with internal 120-277V driver and 16" 3-conductor 18AWG SJTW 'whip'
• COB LED has aluminum reflector to boost light output and create a wide beam of even light distribution
• COB and reflector are protected by gasket lined tempered glass lens cover which is sealed to frame

Installation

• Canopy kit includes 1/2" NPS threaded hole for use with pencil photocell and/or for use with 4" round watertight junction box (order each separately)
• Fixture can be mounted to structural part of building or to concrete pad located at ground level using attached yoke, then 'whip' routed to watertight junction box located nearby (within ± 12")
• Loosen 10mm bolts at side of yoke to set tilt, then retighten to secure

Photometrics

| 0.1(fc) | 0.2(fc) | 0.5(fc) | 1(fc) | 2(fc) | 5(fc) |

*Footcandle values based on 10ft mounting height.

Specifications

Series	Panorama Pro 201
Input voltage	100-277V, 50/60Hz AC
Color temperature	3000K / 4500K
CRI	75+
Wattage	20W
Lumens	1600Lm / 1700Lm
Beam angle	106° (180° tilt)
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	7-1/8"W x 5-1/2"H x 4-1/4"D
Switching	Branch circuit or photocell*
Mounting	Yoke, canopy or watertight j-box
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Pro 201 & Accessories

FL-201-30-DB (Dark Bronze)
FL-201-30-WH (White)
Panorama Pro 201
3000K / 20W / 1600Lm

FL-201-45-DB (Dark Bronze)
FL-201-45-WH (White)
Panorama Pro 201
4500K / 20W / 1700Lm

FL-C-DB (Dark Bronze)
C-501-WH (White)
Canopy Mount for FL Floods
*Includes 1/2" NPS for photocell

PC-120 (120V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

PANORAMA PRO 101 ⓊL us

Rated for use as a ground flood or a wall mounted security flood, with COB technology for greater efficacy.

Performance
• High output COB LED produces up to 780 lumens
• Long life LED saves in labor costs by reducing lamp replacements
• IP65 rated housing has attached yoke with 180° tilt and durable powder coat finish for great resistance to the elements

Construction
• Die-cast aluminum body with internal 120-277V driver and 16" 3-conductor 18AWG SJTW 'whip'
• COB LED has aluminum reflector to boost light output and create a wide beam of even light distribution
• COB and reflector are protected by gasket lined tempered glass lens cover which is sealed to frame

Installation
• Canopy kit includes 1/2" NPS threaded hole for use with pencil photocell and/or for use with 4" round watertight junction box (order each separately)
• Fixture can be mounted to structural part of building using yoke, then 'whip' routed to watertight junction box located nearby (within ± 12"); alternatively mount to concrete pad using yoke then route whip to power stake (sold separately)
• Loosen 10mm bolts at side of yoke to set tilt, then retighten to secure

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc) 5(fc)

*Footcandle values based on 10ft mounting height.
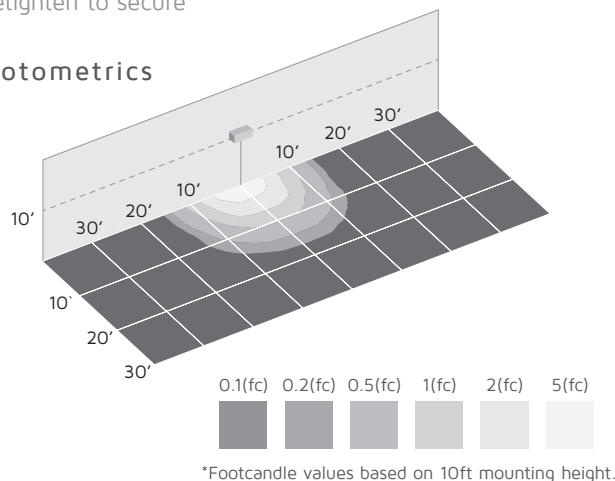
Specifications

Series	Panorama Pro 101
Input voltage	100-277V, 50/60Hz AC
Color temperature	3000K / 4500K
Lumens	750Lm / 780Lm
CRI	75+
Wattage	10W
Beam angle	107° (180° tilt)
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	4-1/2"W x 3-3/8"H x 3-3/4"D
Switching	Branch circuit or photocell*
Mounting	Yoke, canopy or watertight j-box
LED specs	COB (Chip on Board) LED
Rated life	50,000 hrs

Panorama Pro 101 & Accessories

FL-101-30-DB (Dark Bronze)
FL-101-30-WH (White)
Panorama Pro 101
3000K / 10W / 750Lm

FL-101-45-DB (Dark Bronze)
FL-101-45-WH (White)
Panorama Pro 101
4500K / 10W / 780Lm

FL-C-DB (Dark Bronze)
C-501-WH (White)
Canopy Mount for FL Floods
*Includes 1/2" NPS for photocell

PC-120 (120V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

Full Cut-Off Wall Packs

For dark sky compliance, the following wall packs emit light only below the horizontal plane (full cut-off), four of which are DLC Listed. A wide range of light output levels with popular shapes yield choices to suit the application. See footcandle diagrams for beam patterns that are delivered by this assortment.

Trapezoidal   cULus DLC   p.188
- 36W / 74W
- 4700K
- 2998 / 6449 lumens
- DLC compliant

Quarter Sphere   cULus DLC   p.189
- 36W
- 4700K
- 2834 lumens
- DLC compliant
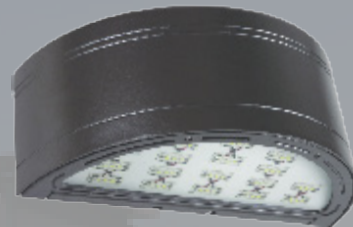
Sloped Cylinder   cULus DLC   p.190
- 36W
- 4700K
- 2391 lumens
- DLC compliant

Arched Curve   cULus   p.191
- 40W
- 4700K
- 2335 lumens
- Full cut-off

Radar   cULus DLC   p.192
- 13.6W / 32W
- 5000K
- 1398 / 2700 lumens
- DLC compliant
- Can be used as a ground flood

TRAPEZOIDAL

High performance Trapezoidal Wall Packs are now available with COB (Chip on Board) LED technology which increases efficacy by up to 33% versus SMD (Surface Mounted Device) LED technology.

Performance
• Upgraded Trapezoidal COBs have an efficacy of 80-88 lumens per watt versus 63-68 of SMD predecessors
• Long life LED saves in labor costs by reducing lamp replacements
• DLC, IP65 rated housing features a durable powder coat finish for great resistance to the elements

Construction
• Durable die-cast aluminum housing with internal 120-277V driver and tempered glass lens
• COB mounted to heat dissipation plate made of ceramic and aluminum heat sink fins
• 1/2" knockouts at both ends and top center

Installation
• Suitable for wet locations, wall mount applications (watertight junction box required)
• Open hinged lens frame (#2 Phillips or flathead) to access oversized wiring compartment with integrated universal mounting bracket
• 18AWG supply wires are pre-wired to one or two drivers for T1 or T2, respectively
• One 1/2" NPT hole with plug located at top center of housing and one on each side for pencil photocell operation as needed (optional, sold separately)

Photometrics

*Footcandle values based on 10ft mounting height.

| 0.1(fc) | 0.2(fc) | 0.5(fc) | 1(fc) | 2(fc) | 5(fc) |
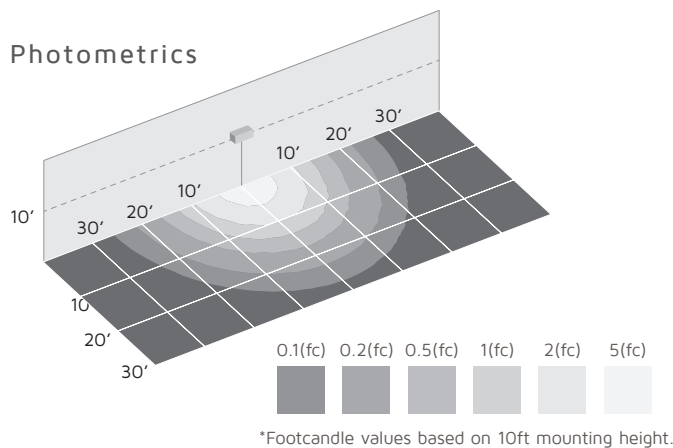
Specifications

Series	WP-T (COB Series)
Input voltage	120-277V AC, 50/60 Hz
Color temperature	4700K
CRI	75+
Wattage	36W / 74W
Lumens	2998Lm / 6449Lm
Beam angle	120°
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	16.54"L x 9.25"W x 7.1"H
Switching	Photocell capable
Mounting	Wall mount
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Trapezoidal Wall Pack & Accessories

WP-T1-47-DB
Trapezoidal COBx1
36W / 2998Lm

WP-T2-47-DB
Trapezoidal COBx2
74W / 6449Lm

PC-120 (120V AC)
Dusk to dawn pencil photocell for 1/2" NPS hole

LED RADAR

The LED Radar Wall Pack, with its low profile and distinctive shape, offers two performance levels and a wide beam angle for even distribution.

Performance
• Long life high output COB LED saves in labor costs by reducing lamp replacements
• One housing offers two performance levels depending upon project needs: the 13.6W version emits 1398 lumens and the 32W version emits 2700 lumens
• IP65 rated fixture is also available in a ground flood version

Construction
• Die-cast aluminmum body with internal 120-277V driver
• COB LEDs are mounted to aluminum plate for best heat dissipation
• Specular aluminum reflector is protected by gasket lined tempered glass lens cover

Installation
• Suitable for wet locations, wall mount applications (watertight junction box required)
• Built in level aids in proper fixture orientation
• Mounting plate has integrated universal mounting bracket for ease of installation

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc)

*Footcandle values based on 10ft mounting height.
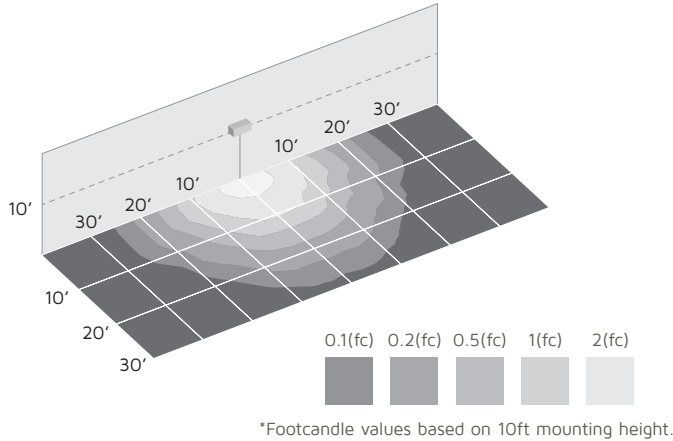
Specifications

Series	WP-RAD
Input voltage	100-277V AC, 50/60Hz
Color temperature	5000K
CRI	75+
Wattage	13.6W / 32W
Lumens	1398Lm / 2700Lm
Beam angle	100° x 120°
Housing	Die-cast coated aluminum
Lens	Tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	7-3/8"W x 2-3/4"D x 8"H
Switching	Branch circuit
Mounting	Wall mount
LED type	COB (Chip on Board) LED(s)
Rated life	50,000 hrs

LED Radar Wall Pack

WP-RAD1-50-DB
LED Radar Wall Pack
13.6W / 1398Lm

WP-RAD2-50-DB
LED Radar Wall Pack
32W / 2700Lm

Wall Mount

When full cut-off lighting is not an issue, these wall packs and wall mounts offer an array of style and function. Often used for security and outdoor corridor safety, several are photocell capable. The new Contour, with its co-molded lens and housing, has a built-in photocell.

Rectangular COB ᶜ⒰ᵤₛ **p.196**
- 33W / 80W
- 4000K / 5000K
- 2000Lm - 5100Lm
- Photocell capable

Salt Air ᶜ⒰ᵤₛ **p.197**
- 31W / 50W
- 3000K
- 2518Lm / 3759Lm
- Plastic housing is designed for use in environments near salt water

Contour PC ᶜ⒰ᵤₛ **p.198**
- 38W
- 4000K
- 3014 lumens
- Built-in photocell (120V only)

Cantilever ᶜ⒰ᵤₛ **p.199**
- 14W / 25W / 37W
- 4700K
- 650Lm / 1019Lm / 1662Lm
- Photocell capable

Medium Profile ᶜ⒰ᵤₛ **p.200**
- 14W
- 5000K
- 740 lumens
- Suitable for small spaces

Extension ᶜ⒰ᵤₛ **p.201**
- 13.3W
- 5000K
- 750 lumens
- Suitable for small spaces

Modern Cylinder ᶜ⒰ᵤₛ **p.202**
- 39W
- 4700K
- 3313 lumens
- Photocell capable

RECTANGULAR COB

New updated version of the classic Rectangular Wall Pack, now with COB LEDs which deliver up to 5100 lumens of light. All COB1 and COB2 fixtures use the same size die-cast housing.

Performance
• Sturdy housing has aggressive heat ventilation via integrated convection fins
• 4000K and 5000K versions with 80+ CRI light combine great illumination, longevity and energy savings
• Angled COB mounting plate and prismatic acrylic lens create a wide distribution of light

Construction
• Durable die-cast aluminum housing with heat ventilation fins and powder coat finish
• Clear prismatic injection molded acrylic lens
• 1/2" knockouts at both ends and top center

Installation
• Suitable for wet locations, surface mount only
• Open hinged lens frame (#2 Phillips/flathead screws) to access oversized wiring compartment with universal mounting bracket (remove knockouts for mounting screws as needed)
• 18AWG supply wires are pre-wired to one or two drivers for COB1 or COB2, respectively
• 1/2" NPS located at top center of housing for pencil photocell as needed (optional, sold separately)

Photometrics

| 0.1(fc) | 0.2(fc) | 0.5(fc) | 1(fc) | 2(fc) | 5(fc) |
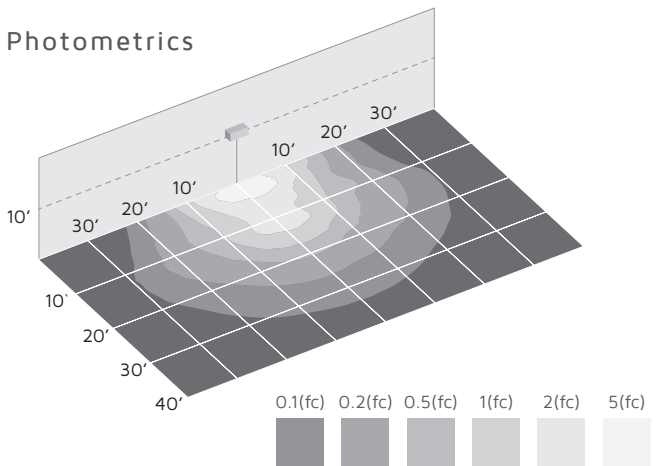
*Footcandle values based on 10ft mounting height for WP-R2-40-DB.

Specifications

Series	WP-R (COB Series)
Input voltage	120-277V AC, 50/60Hz
Color temperatures	4000K and 5000K
CRI	80+
Wattage	33W / 80W
Lumens	See individual product
Beam angle	169°H x 115°V
Housing	Die-cast powder coat aluminum
Lens	Clear prismatic acrylic
Rating	c/UL/us Listed for wet locations
Dimensions	9-1/8"H x 14-1/8"W x 6"D
Switching	Branch circuit, PC-120 or PC-277
Mounting	Surface mount
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Rectangular COB Wall Mount & Accessories

WP-R1-40-DB
Rectangular COB1
4000K / 33W
2000Lm

WP-R1-50-DB
Rectangular COB1
5000K / 33W
2100Lm

WP-R2-40-DB
Rectangular COB2
4000K / 80W
5000Lm

WP-R2-50-DB
Rectangular COB2
5000K / 80W
5100Lm

PC-120 (120V AC)
Dusk to dawn pencil photocell for 1/2" NPS hole

SALT AIR c(UL)us

This non-metallic wall pack has two performance levels available. Its acrylic-styrene housing won't corrode in harsh salt air environments.

Performance
• 3000K with 80+ CRI light combines great visibility with longevity and energy savings
• Acrylic-styrene lens looks like Dark Bronze die-cast aluminum, but won't corrode in marine environments
• SMD LEDs deliver up to 3759 lumens using only 50 watts

Construction
• Industrial grade aluminum alloy heat sink optimizes heat dissipation
• Rigid structural housing design ensures the casing is guarded from shock and deformation
• Clear prismatic polycarbonate cover has high light transmittance
• Side vents increase convective air flow across heat sink

Installation
• Suitable for wet locations when used in conjunction with watertight junction box (sold separately) and grounding plate (included with fixture)
• Mounting holes at top and bottom of housing help to speed installation
• Open hinged lens frame (#2 Phillips screws) to access oversized wiring compartment

Photometrics

0.1(fc)   0.2(fc)   0.5(fc)   1(fc)   2(fc)   5(fc)
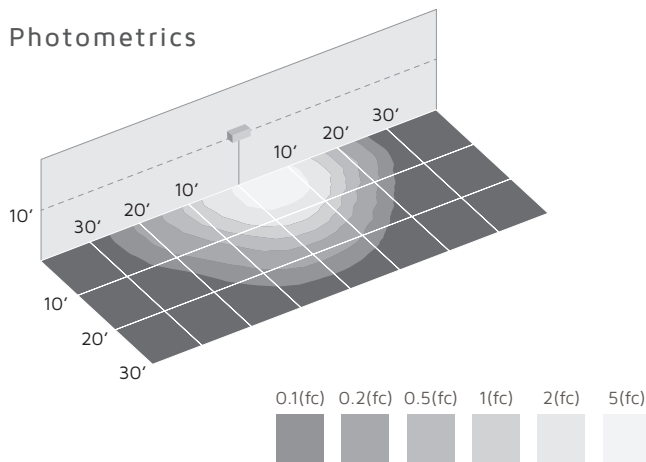
*Footcandle values based on 10ft mounting height.

Specifications

Series	WP-PL
Input voltage	100-277V AC, 60Hz
Color temperature	3000K
CRI	80+
Wattage	35W / 50W
Lumens	2518Lm / 3759Lm
Beam angle	120°
Housing	Aluminum backplate, PC body
Lens	Clear prismatic polycarbonate
Rating	c/UL/us Listed for wet locations
Dimensions	10-7/8"H x 7-1/8"W x 4-1/4"D
Switching	Branch Circuit
Mounting	Wall mount
LED specs	70x 2835 SMD LEDs (WP-PL1)
	120x 2835 SMD LEDs (WP-PL2)
Rated life	50,000 hrs

Salt Air Wall Mount

WP-PL1-30-DB
Salt Air Wall Pack
35W / 2518Lm

WP-PL2-30-DB
Salt Air Wall Pack
50W / 3759Lm

CONTOUR PC

This updated version of the standard wall pack has a COB LED source and one-piece molded design for minimum maintenance over its 50,000 hour rated life.

Performance
- 4000K with 80+ CRI light combines great visibility with longevity and energy savings
- Built-in sealed photocell on face of housing provides reliable dusk to dawn security lighting
- COB LED delivers over 3000 lumens using only 38 watts
- Angled COB mounting plate with gloss white reflector optimizes light output for wide distribution

Construction
- Clear prismatic polycarbonate lens is co-molded into fixture body
- Heavy duty die-cast aluminum heat sink with robust ventilation fins over upper half
- 1/2" knockouts at center back and center bottom of housing
- 1/2" NPT located at top center of housing

Installation
- Suitable for wet locations, surface mount only
- Remove cover and reflector (#2 Phillips/flathead screws) to access built-in wiring compartment with integrated universal mounting bracket (remove knockouts for mounting screws as needed)
- 18AWG supply wires are pre-wired to photocell for quick 120V connection
- Carefully re-attach cover, without overtightening, to protect injection molded plastic from cracking

Photometrics

| 0.1(fc) | 0.2(fc) | 0.5(fc) | 1(fc) | 2(fc) |

*Footcandle values based on 10ft mounting height.
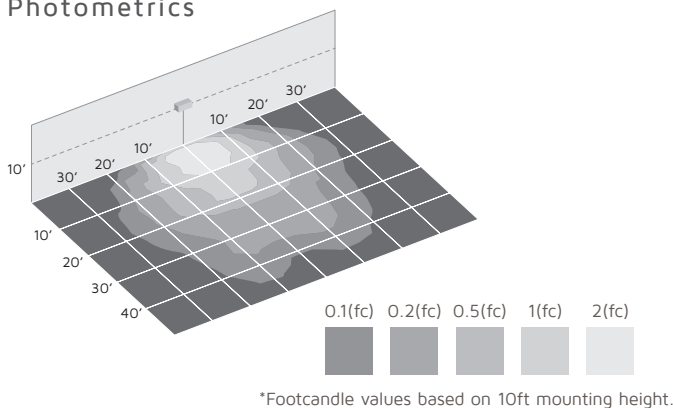
Specifications

Series	WP-CPC (COB)
Input voltage	120V AC, 50/60Hz
Color temperature	4000K
CRI	80+
Wattage	38W
Lumens	3014Lm
Beam angle	150°H x 190°V
Housing	Aluminum backplate, PC body
Lens	Clear prismatic polycarbonate
Rating	c/UL/us Listed for wet locations
Dimensions	10-7/8"H x 7-1/8"W x 4-3/8"D
Switching	Built-in photocell
Mounting	Wall mount
LED type	COB (Chip on Board) LED
Rated life	50,000 hrs

Contour PC Wall Mount

WP-CPC-40-DB
Contour PC Wall Pack
with built-in photocell
38W / 3014Lm

CANTILEVER

Durable mounting plate holds cantilevered wall mount area lights securely for medium sized areas needing a flood of light.

Performance
• Emits up to 655 lumens of 4700K LED light
• Save up to 63% compared to 100 watt conventional sources
• Long life high output Cree SMD LEDs saves in labor costs by reducing lamp replacements and eliminating ballast maintenance

Construction
• Die-cast aluminum body with internal 120-277V driver
• Cree LEDs are mounted to built-in aluminum heat sink plate for great heat dissipation
• Clear tempered glass lens protects LEDs
• Two 1/2" NPS threaded holes on cantilevered body and two on mounting plate

Installation
• Installation requires T15 torx security bit
• Remove rear mounting plate to access built-in universal mounting bracket

Photometrics

0.1(fc)   0.2(fc)   0.5(fc)   1(fc)   2(fc)

*Footcandle values based on 10ft mounting height.
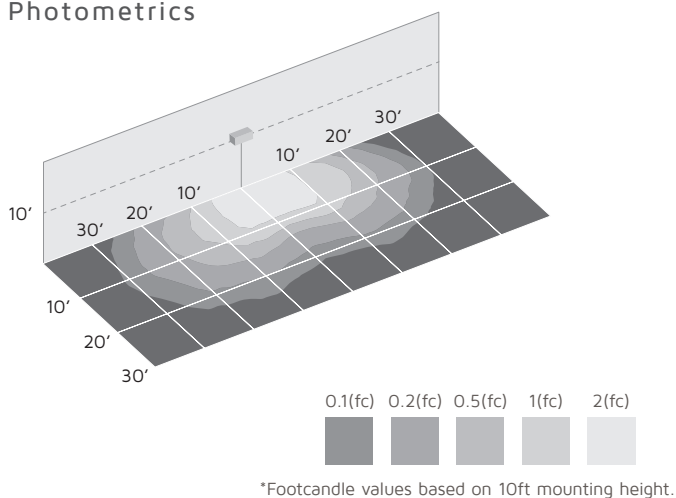
Specifications

Series	WM-C Series
Input voltage	120-277V, AC, 60 Hz
Color temperature	4700K
CRI	75+
Wattage	14W
Lumens	655Lm
Beam angle	120°
Housing	Die-cast coated aluminum
Lens	Clear tempered glass
Rating	c/UL/us Listed for wet locations
Dimensions	6-1/4"H x 6-1/4"W x 14"D
Switching	Branch circuit, PC-120 or PC-277
Mounting	Wall mount
LED specs	5, 10 or 15 x Cree SMD LEDs
Rated life	50,000 hrs

Cantilever Wall Mount & Accessories

WM-C5-47-DB
Cantilever 5
14W / 655Lm

PC-120 (120V AC)
Dusk to dawn pencil photocell
for 1/2" NPS hole

MEDIUM PROFILE ᶜ(UL)ᵤₛ

Compact area light with a square back and triangular profile is suitable for exterior corridors, landings, and other smaller security/area lighting applications.

Performance
• Smaller scale fixture for walkways and landings uses only 14 watts and emits 740 lumens
• Save 72% compared to 50 watt conventional sources
• Long life high output Cree COB saves in labor costs by reducing lamp replacements and eliminating ballast maintenance

Construction
• Die-cast aluminum body with internal 120-240V driver
• Cree COB is mounted to built-in aluminum heat sink plate for great heat dissipation
• Frosted prismatic polycarbonate lens reduces glare and protects LEDs

Installation
• Installation requires T15 torx security bit
• Remove rear mounting plate to access built-in universal mounting bracket

Photometrics

0.1(fc) 0.2(fc) 0.5(fc) 1(fc) 2(fc)

*Footcandle values based on 10ft mounting height.
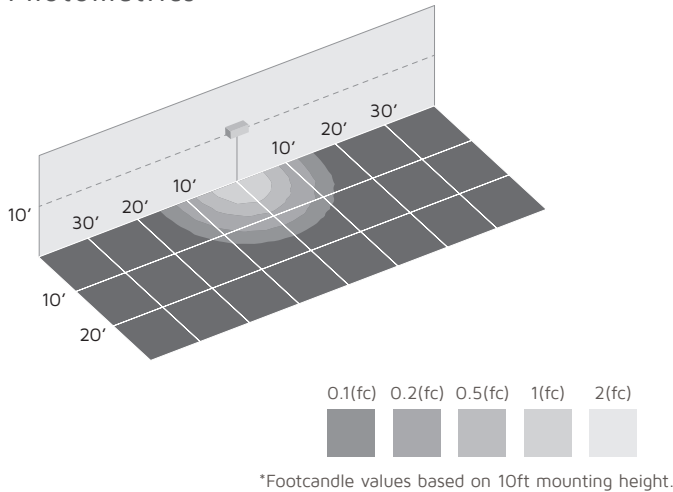
Specifications

Series	WP-LP-50-DB
Input voltage	120-240V, AC
Color temperature	5000K
CRI	75+
Wattage	14W
Lumens	740Lm
Beam angle	120°
Housing	Die-cast coated aluminum
Lens	Frosted polycarbonate
Rating	c/UL/us Listed for wet locations
Dimensions	6-1/2"W x 7"H x 6-1/2"D
Switching	Branch circuit
Mounting	Surface mount
LED type	Cree COB (Chip on Board) LED
Rated life	50,000 hrs

Medium Profile Wall Mount

WP-LP-50-DB
Medium Profile Wall Pack
14W / 740Lm

Wall Washers

LED Wall Washer fixtures are primarily used for highlighting columns, illuminating buildings and grazing textured surfaces with light. Color changing fixtures create a dynamic fade or they can be set to a single color. All RGB fixtures are DMX compatible for customizing colors to match specific needs or programmed to display lighting 'shows' or 'scenes' using DMX software. Warm White Wall Washers are popular for lighting signage, building facades and textured walls with single color warm white light. Both RGB and Warm White fixtures are available in multiple sizes to suit the project.

Linear   p.206
- 16W / 32W / 48W
- CCT: 3500K
- 850Lm / 1700Lm / 2000Lm

Linear RGB   p.207
- 21.6W / 43.2W / 64.8
- RGB
- Use RGB or DMX controller

Array RGB c(UL)us   p.207
- 64.8W
- RGB
- Use RGB or DMX controller

LINEAR - WARM WHITE

High power Warm White LEDs combined with a durable aluminum housings rated for wet locations constitute this family of lighting tools for high impact illumination, indoors or outdoors.

Performance
• 3500K Warm White LED light with 80 CRI washes surfaces with energy efficient light that looks like halogen
• LED Wall Washers have a 25° beam angle and emit up to 2600 lumens
• Long life high power LEDs last up to 60,000 hours, reducing maintenance costs

Construction
• Durable aluminum alloy housing with enamel finish
• Housing and base with built-in driver are fully sealed for use in wet locations (IP65)

Installation
• Easy to install - each unit has its own five foot grounded power cord
• Integrated mounting holes in base/leg brackets and adjustable tilt design maximize on-site flexibility
• Use GFCI weatherproof outlet for outdoor installations

Photometrics (for 36x1)

| 0.1(fc) | 0.2(fc) | 0.5(fc) | 1(fc) | 2(fc) | 5(fc) |

*Footcandle values based on 10ft mounting height.
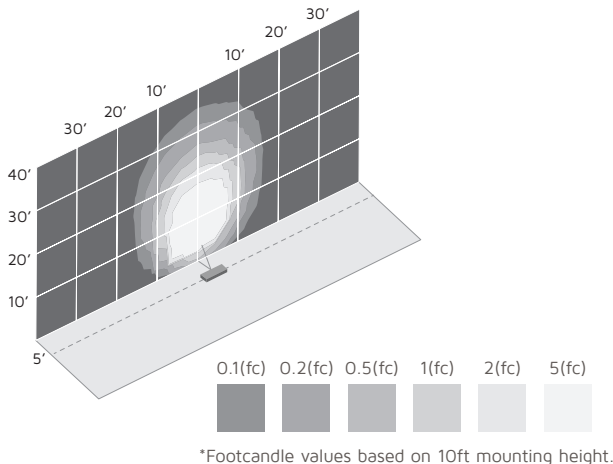
Specifications

Series	LLW-WHITE
Input voltage	120V, 60Hz AC
Color temperature	3500K
CRI	80+
Wattage	16W / 32W / 48W
Lumens	850Lm / 1700Lm / 2600Lm
Maximum run	Power cannot be linked
Beam angle	25°
Housing	Die-cast aluminum alloy
Lens	Tempered glass
Rating	N/A
Dimensions	See individual product
Mounting	Wall or ground via brackets
Linking	Up to 30 units for signal
LED type	24 or 36 x BridgeLUX LEDs
Rated life	60,000 hrs

LED Linear Wall Washer

LLW16-WW
LED Linear - 32
16W / 850Lm
15.75"L x 2-3/16"W x 5"H

LLW32-WW
LED Linear - 32
32W / 1700Lm
31.5"L x 2-3/16"W x 5"H

LLW48-WW
LED Linear - 48
48W / 2600Lm
47.25"L x 2-3/16"W x 5"H

Building a System

For WW, select sizes and quantities and plan to provide an outlet location (GFCI for outdoor fixtures) within five feet of each fixture.

RGB WALL WASHERS

DMX compatible high power LEDs are rated for up to 100,000 hours of dynamic color effects. Fixtures require virtually no maintenance and up to 30 can be powered by one outlet.

Performance
• High power 1W tri-color LEDs produce up to 16 million colors of light
• RGB Wall Washers have a 25° beam angle and project light up to 65 feet
• Long life LEDs last up to 100,000 hours and can be remotely color changed, greatly reducing labor costs
• 48W LED Array is cETLus Listed

Construction
• Durable aluminum alloy housing with enamel finish withstands severe outdoor environments
• Housing and base with built-in driver are fully sealed for use in wet locations (IP65)
• Well designed thermal management keeps LEDs cool, maximizing longevity

Installation
• Easy to install - multiple RGB Arrays can interconnect power and data linking (up to thirty units)
• Linear RGB fixtures must be powered directly via their five foot grounded power cords but allow data linking (up to thirty units)
• Integrated mounting holes in base/leg brackets and adjustable tilt design maximize on-site flexibility
• Use GFCI weatherproof outlet for outdoor installations

LW36-RGB
LED Array - 64.8W
5-5/8"Dia. (Base)
13"W x 9-1/2"H

LLW48-RGB
Linear RGB - 64.8W
47.25"L x 2-3/16"W x 5"H

Basic array control: For static colors (choice of 7), color flash (choice of 8) and basic fades (choice of 13), use LW36-CON.

Specifications

Series	LLW-RGB
Input voltage	120V, 60Hz AC
Color temperature	N/A
CRI	N/A
Wattage	64.8W
Maximum run	10 units for power
Beam angle	25°
Dimming	Via controller or DMX
Housing	Die-cast aluminum alloy
Lens	Tempered glass
Rating	cETLus Listed (Array only)
Dimensions	See individual product
Switching	Plug-in
Mounting	Wall or ground via brackets
Linking	EC15 for signal, EX15 for power
LED specs	12, 24 or 36 x BridgeLUX LEDs
Rated life	100,000 hrs

RGB and DMX Accessories

Controllers & Standalones:

LW36-CON	RGB Controller
DMX-RGB-3	RGB 3-channel
DMX-SIMPLE-6	RGB 6-channel

Interconnecting Cables:

LW36-EX15	Power cable
LW36-EC15	Signal cable
LW-END	Signal Termination

Adaptor Cables:

LW36-XLR3	2ft adaptor cable
LW36-XLR3-15	15ft adaptor cable
XLR3-CUSTOM	Custom cable

RGB fixtures will operate in demo mode (seven color flash, seven color fade, repeat) when powered on. Linear RGB fixtures feature a standalone mode activated by pressing both buttons simultaneously, offering independent control of R, G and B values. For RGB color mixing on 3-channels or 6-channels, use DMX-RGB-3 or DMX-SIMPLE-6, respectively. **For more sophisticated DMX control, please contact American Lighting directly.**

CONSTANT VOLTAGE

New dimming drivers are compatible with most wall dimmers for 10-100% light control. For non-dimming applications or for use with AL-PWM-6A, use LED-DR series constant voltage drivers.

12V DC Dimming Plug-in

PS-12-12VPI-T 3-12W (non-dimming), 4-12W (dimming applications)
12V DC constant voltage plug-in driver, Class 2
100-120V AC, 60Hz input via 6ft power cord with rocker switch
6ft lead with terminal block, triac compatible (only), c/UL/us Listed for dry locations
Replace power cord with supply wire via built-in terminal block for hardwire applications
4-11/16"L x 2-3/8"W x 11/16"H

12V DC Non-Dimming Plug-in

PS-36-12VPI 8-36W (non-dimming)
PS-60-12VPI 12-60W (non-dimming)
12V DC constant voltage plug-in driver
120V AC input via 6ft 18AWG power cord with 3-prong grounded plug 5ft
18AWG lead wire with DC jack, c/UL/us Listed for dry locations
4-3/4"L x 1-1/2"W x 2-5/16"H

PS-96-12VPI 20-96W (non-dimming)
12V DC, constant voltage plug-in driver
5.5 foot 18AWG lead wire with DC jack, 5.5 foot 18AWG power cord with
120V AC input via 3-prong grounded plug; c/UL/us Listed for dry locations
6-3/4"L x 2-3/4"W x 1-5/16"H

12C DC Dimming Hardwire

ELV-30-12 3-30W (non-dimming), 18-30W (dimming applications)
ELV-45-12 3-45W (non-dimming) 27-45W (dimming applications)
12V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-130V AC, 50/60Hz input via built-in terminal block with strain relief screw-down cover
Forward phase / reverse phase / triac compatible
c/ETL/us Listed for dry locations
7-1/16"L x 2-3/8"W x 1-3/8"H

ELV-60J-12 3-60W (non-dimming), 36-60W (dimming applications)
ELV-80J-12 3-80W (non-dimming), 48-80W (dimming applications)
12V DC constant voltage hardwire driver inside metal housing with three 1/2"
knockouts on both the primary and the secondary ends, Class 2, RoHS compliant
100-130V AC, 50/60Hz input via 5" long 18AWG 3C conductors
Forward phase / reverse phase / triac compatible
c/ETL/us Listed for wet locations, must be mounted higher than 1ft off the ground
13-3/4"L x 3-1/16"W x 2-5/16"H

12V DC Non-Dimming Hardwire

LED-DR30-12 6-30W (non-dimming), 1-27W (PWM dimming)
12V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-240AC 50/60Hz input via built-in terminal block with strain relief screw-down cover
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
c/UR/us Recognized for indoor use only
6-1/4"L x 1-3/4"W x 1-3/16"H

LED-DR60-12 12-60W (non-dimming), 1-57W (PWM dimming)
12V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-240AC 50/60Hz input via 22" 18AWG conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
c/UR/us Recognized for dry and damp locations, 7-13/16"L x 1-3/4"W x 1-5/8"H
Galvanized steel wiring enclosure (ENCL-11) sold separately, 11-1/2"L x 1-7/8"W x 1-3/4"H

12V DC Non-Dimming Hardware (continued) ᶜ🆄🅻us ✅

LED-DR100-12 20-100W (non-dimming) 1-97W (PWM dimming)
12V DC constant voltage hardwire driver, RoHS compliant
100-240AC 50/60Hz input via 11" 18AWG conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
and will require a repeater for loads greater than 6A (72W at 12V)
7-5/8"L x 2-1/8"W x 1-1/2"H

LED-DR150-12 30-150W (non-dimming) 1-147W (PWM dimming)
12V DC constant voltage hardwire driver, RoHS compliant
100-240AC 50/60Hz input via 10" 18AWG SJTW conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally and
will require a repeater for loads greater than 6A (72W at 12V)
c/UR/us Recognized for wet or dry locations, 9"L x 2-5/8"W x 1-1/2"H

PS-25-12 5-25W (non-dimming), 1-22W (PWM dimming); 4"L x 3-7/8"W x 1-7/16"H
PS-60-12 12-60W (non-dimming), 1-57W (PWM dimming); 6-1/4"L x 3-7/8"W x 1-1/2"H
PS-100-12 20-100W (non-dimming), 1-97W (PWM dimming); 7-7/8"L x 3-7/8"W x 1-1/2"H
PS-150-12 30-150W (non-dimming), 1-147W (PWM dimming); 7-7/8"L x 4-7/8"W x 2"H
12V DC Constant voltage hardwire driver with double output screw-down terminals
88-264V AC input via screw-down terminals
Overload/overvoltage/short circuit protection
c/UR/us Recognized

24V DC Non-Dimming Plug-in ᶜ🆄🅻us

PS-40-24VPI 8-40W (non-dimming)
PS-60-24VPI 12-60W (non-dimming)
24V constant voltage plug-in driver
120V AC input via 6ft 18AWG power cord with 3-prong grounded plug 5ft 18AWG lead wire
with DC jack, c/UL/us Listed for dry locations
4-3/4"L x 1-1/2"W x 2-5/16"H

PS-90-24VPI 18-90W (non-dimming)
24V DC, constant voltage plug-in driver
5.5 foot 18AWG lead wire with DC jack, 5.5 foot 18AWG power cord with
120V AC input via 3-prong grounded plug; c/UL/us Listed for dry locations
6-3/4"L x 2-3/4"W x 1-5/16"H

24V DC Dimming Hardware 🅔🆃🅛 ✅

ELV-30-24 3-30W (non-dimming), 18-30W (dimming applications)
ELV-45-24 3-45W (non-dimming) 27-45W (dimming applications)
24V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-130V AC, 50/60Hz input via built-in terminal block with strain relief screw-down cover
Forward phase / reverse phase / triac compatible
c/ETL/us Listed for dry locations
7-1/16"L x 2-3/8"W x 1-3/8"H

ELV-60J-24 3-60W (non-dimming), 36-60W (dimming applications)
ELV-80J-24 3-80W (non-dimming), 48-80W (dimming applications)
24V DC constant voltage hardwire driver inside metal housing with three 1/2" knockouts on
both the primary and the secondary ends, Class 2, RoHS compliant
100-130V AC, 50/60Hz input via 5" long 18AWG 3C conductors
Forward phase / reverse phase / triac compatible
c/ETL/us Listed for wet locations, must be mounted higher than 1ft off the ground
13-3/4"L x 3-1/16"W x 2-5/16"H

24V DC Non-Dimming Hardwire

LED-DR30-24 6-30W (non-dimming), 1-27W (PWM dimming)
24V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-240AC 50/60Hz input via built-in terminal block with strain relief screw-down cover
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
cURus Recognized for indoor use only
6-1/4"L x 1-3/4"W x 1-3/16"H

LED-DR60-24 12-60W (non-dimming), 1-57W (PWM dimming)
24V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-240AC 50/60Hz input via 22" 18AWG conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
cURus Recognized for dry and damp locations, 7-13/16"L x 1-3/4"W x 1-5/8"H
Galvanized steel wiring enclosure (ENCL-11) sold separately, 11-1/2"L x 1-7/8"W x 1-3/4"H

LED-DR60-24-277 12-60W (non-dimming), 1-57W (PWM dimming)
24V DC constant voltage hardwire driver, Class 2, RoHS compliant
100-277AC 50/60Hz input via 22" 18AWG conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
cURus Recognized for dry and damp locations, 7-13/16"L x 1-3/4"W x 1-5/8"H
Galvanized steel wiring enclosure (ENCL-11) sold separately, 11-1/2"L x 1-7/8"W x 1-3/4"H

LED-DR100-24 20-100W (non-dimming) 1-97W (PWM dimming)
24V DC constant voltage hardwire driver, RoHS compliant
100-240AC 50/60Hz input via 11" 18AWG conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally
and will require a repeater for loads greater than 6A (72W at 12V)
7-5/8"L x 2-1/8"W x 1-1/2"H

LED-DR150-24 30-150W (non-dimming) 1-147W (PWM dimming)
24V DC constant voltage hardwire driver, RoHS compliant
100-240AC 50/60Hz input via 10" 18AWG SJTW conductors
If used with AL-PWM-6A (see page 208), the dimmer will consume ±3W internally and
will require a repeater for loads greater than 6A (72W at 12V)
cURus Recognized for wet or dry locations, 9"L x 2-5/8"W x 1-1/2"H

PS-25-24 5-25W (non-dimming), 1-22W (PWM dimming); 4"L x 3-7/8"W x 1-7/16"H
PS-60-24 12-60W (non-dimming), 1-57W (PWM dimming); 6-1/4"L x 3-7/8"W x 1-1/2"H
PS-100-24 20-100W (non-dimming), 1-97W (PWM dimming); 7-7/8"L x 3-7/8"W x 1-1/2"H
PS-150-24 30-150W (non-dimming), 1-147W (PWM dimming); 7-7/8"L x 4-7/8"W x 2"H
24V DC Constant voltage hardwire driver with double output screw-down terminals
88-264V AC input via screw-down terminals
Overload/overvoltage/short circuit protection ; cURus Recognized

PWM Dimming

AL-PWM-6A
Pulse Width Modulation (PWM) White slide dimmer with on/off switch
Fits most decorative style trim plates and standard junction boxes
12V DC or 24V DC input only, 6A maximum load

AL-3R-6A
Repeater for PWM slide dimmer with (2) power input terminals
and (1) signal input terminal, (3) x 6A output terminals
12V DC or 24V DC input only
5"L x 2-1/2"W x 1-1/16"H

CONSTANT CURRENT

Compact and reliable constant current hardwire drivers are for use with constant current, series configuration type products (pages 62-69). Choose between 350mA and 700mA versions for dimming or non-dimming applications.

350mA Hardwire
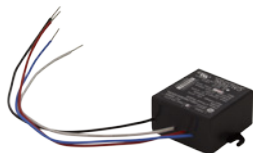
LED-DR6-350 4-16W capacity

350mA constant current hardwire driver, Class 2, RoHS compliant
120-277AC, 50/60Hz input; 7" input and output leads
3-11 LEDs (non-dimming applications)
cURus Recognized for dry and damp locations
2-3/8"L x 2"W x 1"H

LED-DR12-350 4-16W capacity

350mA constant current hardwire driver, Class 2, RoHS compliant
100-240AC, 50/60Hz input; 5" input and output leads
3-11 LEDs (non-dimming applications)
cURus Recognized for dry and damp locations
3-1/2"L x 1-5/8"W x 1-3/16"H

LED-DR20-350 4-20W capacity

350mA constant current hardwire driver, Class 2, RoHS compliant
100-240AC, 50/60Hz input; 22" input and output leads
4-16 LEDs (non-dimming applications)
cURus Recognized for dry and damp locations
4-3/4"L x 1-3/8"W x 1"H

LED-DR18-350D2 4-18W capacity, 3-15W (dimming applications)

350mA constant current hardwire driver, Class 2, RoHS compliant
120-277AC, 50/60Hz input; 8" input and output leads
3-12 LEDs (dimming consumes some power internally)
cURus Recognized for dry and damp locations
6"L x 1-1/8"W x1-3/16"H

700mA Hardwire

LED-DR12-700 3-12W capacity

700mA constant current hardwire driver, Class 2, RoHS compliant
100-240AC, 50/60Hz input; 5" input and output leads
1-3 LEDs (non-dimming applications)
cURus Recognized for dry and damp locations
3-1/2"L x 1-5/8"W x 1-3/16"H

LED-DR25-700 8-25W capacity

700mA constant current hardwire driver, Class 2, RoHS compliant
100-240AC, 50/60Hz input; 22" input and output leads
3-6 LEDs (non-dimming applications)
cURus Recognized for dry and damp locations
3-3/8"L x 2-1/4"W x 1-1/8"H

LED-DR36-700D 3-33W (dimming applications)

700mA constant current hardwire driver, Class 2, RoHS compliant
120-277AC, 50/60Hz input; 8" input and output leads
1-10 LEDs (dimming consumes some power internally)
cURus Recognized for dry and damp locations
6"L x 1-1/8"W x1-3/16"H

ALTERNATING CURRENT

Alternating current power supplies, designed for incandescent loads, are available in electronic hardwire, electronic plug-in and magnetic hardwire. All are dimmable except electronic plug-in versions (per the NEC receptacles shall not be controlled by a wall dimmer).

12V AC Electronic Hardwire Transformers c𝐑us

ALTR60B 10-60W capacity
ALTR80B 20-80W capacity

12V AC electronic hardwire transformer, Class 2
7" 18AWG primary and 5" 12AWG secondary leads
Thermal protection with auto reset; mounting screws included
Triac / reverse phase compatible
c/UR/us Recognized for dry locations
For runs up to 10 feet only
2-1/4"L x 1-5/16"W x 7/8"H

ALTR105B 35-105W capacity
ALTR150B 45-150W capacity

12V AC electronic hardwire transformer, Class 2
7" 18AWG primary and 5" 12AWG secondary leads
Thermal protection with auto reset; mounting screws included
Triac / reverse phase compatible
c/UR/us Recognized for dry locations
For runs up to 10 feet only
4-5/16"L x 1-7/8"W x 1-1/4"H

12V & 24V AC Magnetic Hardwire Transformers ⒸⓊⓁⓤⓢ

TR-150-12 60-150W capacity with (1) 15A circuit; 8-1/2"L x 3-1/2"W x 3-1/2"H
TR-300-12 120-300W capacity with (1) 25A circuit; 9"L x 4-1/2"W x 4-1/2"H
TR-600-12 240-600W capacity with (2) 25A circuits; 9-1/2"L x 4-1/2"W x 4-1/2"H
TR-900-12 360-900W capacity with (3) 25A circuits; 10-1/2"L x 5-1/2"W x 5-1/2"H
12V AC magnetic hardwire transformer with boost tap for longer runs
120V AC, 60Hz input - Do not connect 120V power to the input side of the transformer
without a secondary load attached - this may damage the secondary coil and cause it to fail.
Triac / forward phase compatible - use high capacity dimmers for loads over 600 watts
Stainless steel enclosure with powder coat finish, hinged tension fit door, hang tab, multiple
1/2" knockouts, magnetic circuit breaker protection for each circuit and manual reset switch
c/UL/us Listed with NEMA 3R rating for indoor and outdoor use

TR-150-24 60-150W capacity with (1) 7A circuit; 8-1/2"L x 3-1/2"W x 3-1/2"H
TR-300-24 120-300W capacity with (1) 15A circuit; 9"L x 4-1/2"W x 4-1/2"H
TR-600-24 240-600W capacity with (1) 20A circuit; 9-1/2"L x 4-1/2"W x 4-1/2"H
TR-900-24 360-900W capacity with (2) 25A circuits; 10-1/2"L x 5-1/2"W x 5-1/2"H
24V AC magnetic hardwire transformer with boost tap for longer runs
120V AC, 60Hz input - Do not connect 120V power to the input side of the transformer
without a secondary load attached - this may damage the secondary coil and cause it to
fail. Triac / forward phase compatible - use high capacity dimmers for loads over 600 watts
Stainless steel enclosure with powder coat finish, hinged tension fit door, hang tab, multiple
1/2" knockouts, magnetic circuit breaker protection for each circuit and manual reset switch
c/UL/us Listed with NEMA 3R rating for indoor and outdoor use

12V & 24V AC Magnetic Hardwire Drivers ⒺⓉⓁ

LED-TR-30-12 12-30W capacity; 5-1/2"L x 3-1/8"W x 1-1/2"H
LED-TR-60-12 24-60W capacity; 9-1/4"L x 3"W x 3"H
LED-TR-100-12 40-100W capacity; 9-1/2"L x 4"W x 4"H
LED-TR-150-12 60-150W capacity; 9-1/2"L x 4"W x 4"H
12V AC, 120Hz output* magnetic hardwire driver; 120V AC, 60Hz input
Do not connect 120V power to the input side of the transformer without a secondary load
attached - this may damage the secondary coil and cause it to fail.
Housing requires 12" clearance above and around housing if load exceeds 80% of capacity
Reverse phase compatible
Stainless steel enclosure with powder coat finish, hinged tension fit door,
hang tab, multiple 1/2" knockouts and reset switch
c/ETL/us Listed (excluding LED-TR-30-12); NEMA 3R rating for indoor and outdoor use

LED-TR-30-24 12-30W capacity; 5-1/2"L x 3-1/8"W x 1-1/2"H
LED-TR-60-24 24-60W capacity; 9-1/4"L x 3"W x 3"H
LED-TR-100-24 40-100W capacity; 9-1/2"L x 4"W x 4"H
LED-TR-150-24 60-150W capacity; 9-1/2"L x 4"W x 4"H
24V AC, 120Hz output* magnetic hardwire driver; 120V AC, 60Hz input
Do not connect 120V power to the input side of the transformer without a secondary load
attached - this may damage the secondary coil and cause it to fail.
Housing requires 12" clearance above and around housing if load exceeds 80% of capacity
Reverse phase compatible
Stainless steel enclosure with powder coat finish, hinged tension fit door,
hang tab, multiple 1/2" knockouts and reset switch
c/ETL/us Listed (excluding LED-TR-30-24); NEMA 3R rating for indoor and outdoor use

*These magnetic hardwire drivers do not have a DC output, although in some cases, these drivers will work for LED loads.
The output is AC but with a 120Hz frequency so that the output lines up with the peaks of the 120V alternating current.
These drivers are not recommended for some Tape Light applications nor Festoon Light String with LED modules.

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PRODUCT INDEX CONTINUED

Contact:

Corporate Office: 800.880.1180

Customer Service: 800.285.8051

Technical Support: TechnicalSupport@AmericanLighting.com

Order Queue: Orders@AmericanLighting.com

Additional Information:

For the latest product information, updates, instructions and specifications, visit www.americanlighting.com. Color may vary from lighted fixtures and finishes represented herein due to inherent limitations in photographic and printing processes. American Lighting, Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength, characteristics and light output are subject to production limitations and may vary.

LED technology continues to change rapidly and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% more for a particular project on the same initial order where white LED color temperature must be maintained over project and product life. Eventual product replacement should be considered at time of design, layout and initial purchase.

For LEDs, the hours of rated life specify the point where 70% of original lumen output is reached. Below this point, the effective life is typically considered ended, although the LED will still emit light.

American Lighting, Inc. warrants its product to the original purchaser only. Contact your sales representative for warranty details.

NOTES:

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