# NSL
NATIONAL SPECIALTY LIGHTING

Legend:
- ■ – LED
- ■ – Incandescent/Xenon
- ■ – Fiber Optics

Page#	Lighting Fixture	Aisle Lighting	Back Lighting (signs, acrylic panels)	Building Facades (decorative)	Building Facades (washing)	Building Outlines	Cabinet Lighting	Cove Lighting (in, under, over)	Deck & Patio Lighting	Effect Lighting (color change etc.)	Fountain & Pool Lighting	General Area Flood Lighting	General Area Lighting (home, office, retail)	Landscape Lighting	Linear Decorative Lighting	Museum Showcase Lighting	Parking Lot Lighting	Pathway Lighting	Security Lighting	Showcase Lighting	Stairway Lighting	Wall Lighting (indoor/outdoor)	Wall Washing	Stadium Lighting
2	LED Tape Light	●	●	●		●	●	●	●	●				●	●	●		●		●	●			
5	LED eSTRIP	●				●		●	●					●	●		●	●			●			
9	LED Globe Light			●		●		●						●	●			●			●			
11	LED Wedge Light		●			●	●	●						●	●		●	●						
13	LED Hard Strip						●	●												●				
15	LED Thin Star						●	●								●				●				
17	LED Mini Star II						●									●				●				
19	LED Puck Lights						●													●				
21	LED Disc Light	●							●					●			●	●			●			
23	LED MiniDisc Light	●							●					●			●	●			●			
26	LED Dimmers																							
27	LED Britestrip						●	●							●					●				
29	Thin-line LED Down Light				●								●							●				
33	LV-DL Down Light				●								●							●				
37	Surface/Recessed LED Down Light				●								●							●				
39	LED Switch Star	●							●										●	●	●			
41	LED Step Star	●							●					●			●	●			●			
43	LED Brick Star	●							●					●			●	●			●			
45	LED Wall Star	●							●					●			●	●			●			
47	LED Wall Sconce	●	●						●			●	●						●			●	●	
49	LED Task Star						●									●				●				
51	Low Voltage Flood Light			●	●					●	●	●		●			●	●	●			●	●	
53	LED High Power Flood Light				●							●		●			●	●	●				●	●
57	LED Drivers																							
59	LED Controllers																							
61	Xenon Task Light						●									●				●				
63	Xenon Mini Light						●									●				●				
65	Xenon Britestrip						●	●								●				●				
67	Xenon Brick Light	●							●					●			●	●			●			
69	Xenon Step Light	●							●					●			●	●			●			
71	Xenon Wall Light	●							●					●			●	●			●			
73	Galaxy Fiber Optic Ceiling Systems									●														
75	Transformers																							

LED Tape Light

NSL offers a large variety of LED Tape Light
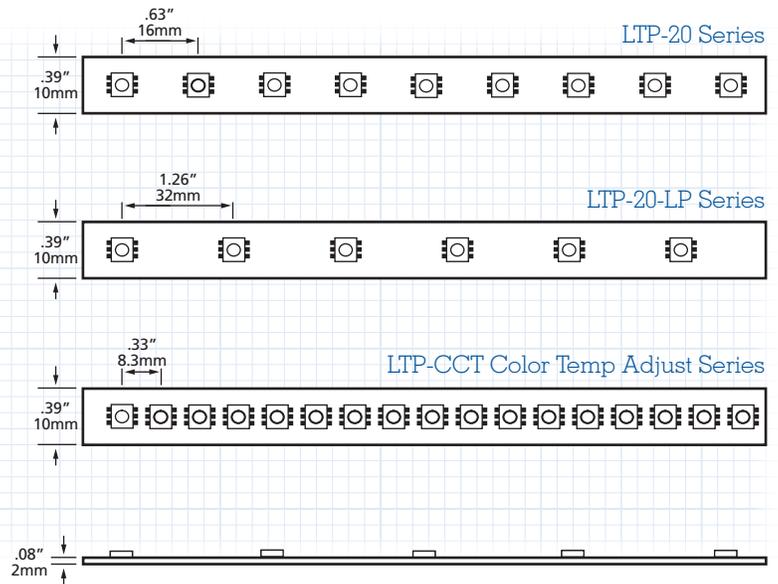ranging from 2.1 watts per foot to 5.8 watts per foot.
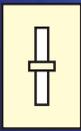
DIMMABLE!

LED Tape Light combines high light output associated with standard fixtures with unique flexibility allowing it to be concealed in the tiniest of coves, under cabinets or showcases. It is also available in an outdoor version for patios, decks, back lighting and many more applications. It delivers remarkable light output at just 2.1 – 5.8 watts per foot depending upon model chosen. Our extrusions are ideal for recessed or in cabinet applications. LED Strip is also available in RGB color change for dramatic effects!

Features

✔ High brightness 5060 SMD LEDs (3528 for color adjust series)
✔ Field cuttable every 4" for LTP-20 High Power model and every 6.5" for LTP-20-LP low power model
✔ Low power consumption
✔ Available in 20' (6.1m) rolls
✔ LTP-CCT available in 16' (4.8m)
✔ Safe, 24V class 2 power supplies (sold separately)
✔ Fully dimmable with dimmable power supplies (sold separately)
✔ 120° viewing angle
✔ Available in Cool White (6500K), Warm White (3000K), RGB Color Change and Color Adjust (2500K – 7000K)
✔ Long life 50,000 hours
✔ High lumen output 325 lm/ft (304mm) for Cool White
✔ High lumen output 285 lm/ft (304mm) for Warm White
✔ Available in outdoor or indoor models
✔ 3 year limited warranty

.63"
16mm
.39"
10mm
LTP-20 Series

1.26"
32mm
.39"
10mm
LTP-20-LP Series

.33"
8.3mm
.39"
10mm
LTP-CCT Color Temp Adjust Series

.08"
2mm

LED Tape Light

Adjustable Color Temperature Model

NSL

Color Adjust Tape Light

New LTP-CCT Color Adjust Tape Light allows you to change the color temperature of the tape light from Cool White (7000K) to Warm White (2500K) with our easy to use hand held remote controller. It is available in both indoor and outdoor models and can be run up to 16' maximum length. Color adjust feature allows you to change the mood of your surroundings easily. Ideal for task lighting such as under counters, coves and countless other applications, this versatile product can be ordered in custom lengths prepared within 24 hours at your request.

Applications

- Aisle and stairway lighting
- Cabinet and cove lighting
- Deck and patio lighting
- Pathway lighting
- Building facades and outlines
- Back lighting
- Showcase lighting
- Linear decorative lighting

Specifications

LED Type	High Brightness 5060 SMD LEDs, 3528 SMD for LTP-CCT color adjust
# of LEDs per foot (304mm)	18 for LTP-20 series, 9 for LTP-20-LP series, 36 for LTP-CCT color adjust
Viewing Angle	120°
LED Life	50,000 hours to 70% initial lumen output
Color Temperature	Warm White 3000K, Cool White 6500K, CCT Color Adjust Series 2500K – 7000K
Lumen Output 5060-60 series	325 Lumens per ft Cool White, 285 Lumens per ft Warm White
Lumen Output 5060-30 series	165 Lumens per ft Cool White, 145 Lumens per ft Warm White
Lumen Output LP-CCT series	300 Lumens per ft average
Efficacy	75 LPW Cool White, 66 LPW Warm White
Custom Cuttable	4" LTP-20 Series, 6.5" LTP-20-LP Series. 2" LTP-CCT Series
Operating Voltage	24V DC
Maximum Single Run	LTP-20 Series 20', LTP-20-LP Series 40', CCT Color Adjust Series 16', RGB series 20'
Power Consumption	4.3W/ft LTP-20 Series, 2.2 W/ft LTP-20-LP Series, 5.8W/ft CCT Series
LED Spacing	16mm for LTP-20 Series, 32mm for LTP-20-LP Series, 8.3mm CCT series
Approvals	ETL

NSL

Accessories

LTP-001-6R / LTP-001-12R
6' OR 12' Power feed connector for single color indoor. Add "-L" to code for opposite end, add "-CL" for through wall connections.
LTP-001-CCT-6
6' Power feed connector for CCT series indoor.
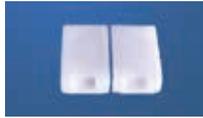
LTP-002
In-line connector for single color indoor.
LTP-002-CCT
In-line connector for CCT series indoor.

LTP-001-RGB-6R
72" Power feed connector for RGB indoor. Add "-L" for opposite end.

LTP-002-RGB
In-line connector for RGB indoor.

LTP-STP-6IN   5.9" (15cm)
LTP-STP-2IN   2" (5cm)
LTP-STP-2   2' (61cm)
LTP-STP-12   12' (3.65m)
In line connector for single color indoor.

LTP-001-RGB-6IN   5.9" (15cm)
LTP-001-RGB-2IN   2" (5cm)
In line connector for RGB indoor.

LTP-001-OD-6FT
72" Power feed connector for single color outdoor

LTP-RGB-001-OD-6FT
72" Power feed connector for RGB outdoor

LMSII-001
Terminal block and junction box for connection to additional lengths of power cable if needed.

LV-FS-MC-004
Mounting clips

LV-FS-EC-001
End caps

LV-RF103EXSS
6' RF extension cable for RGB Tape Light
LTP-RGB-STP-OD-6IN
6" step connector for outdoor RGB Tape Light

LTP-003-6DC
DC connector for LED Tape Light with 6" wire and DC connector

LTP-010-S
Clear U channel

LV-LB-W3-FR†
Recessed aluminum extrusion and frosted PC cover

LV-LB-D3-FR†
Surface mounted aluminum extrusion and frosted PC cover

LV-LB-V3-FR†
Corner surface mounted aluminum extrusion and frosted PC cover

† Extrusions come in 39.37" (1 metre) lengths.
End caps and mounting clips are available, sold separately.

Indoor/Outdoor Dimmable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE24L40DC
Max recommended load 36W or 8' LED Strip, min 8W or 2' LED Strip
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE24L96DC
Max recommended load 90W or 20' LED Strip, min 8W or 2' LED Strip
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

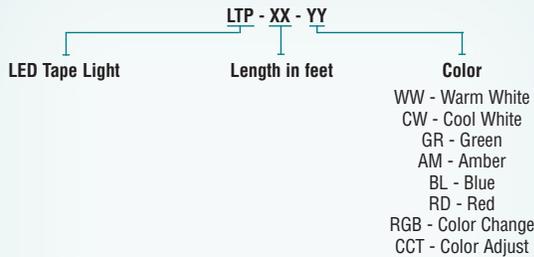### Non Dimmable Drivers

LEDDR-24-120W
Indoor/Outdoor driver
LED Tape Light: Max. recommended load 90W or 20' (6.1m) per single tap, 120W or 28' (8.53m) combined two secondary taps.
CCT series: 16' (4.88m) per single tap, 22' (6.71m) combined two secondary taps.
120W hardwire
Input: 100 - 240V AC
Output: 24V DC
10" x 3 3/8" x 3 3/16" (254 x 85.7 x 80.9mm)

NOTE: Above maximum and minimum lengths are for LTP-20 Series. You may **double these when using LTP-20-LP Series** and **multiply x .8 when using with LTP-CCT Color Temp Adjust Series**.

For a complete list of RGB controllers, color temperature controllers and control accessories please see page 59.

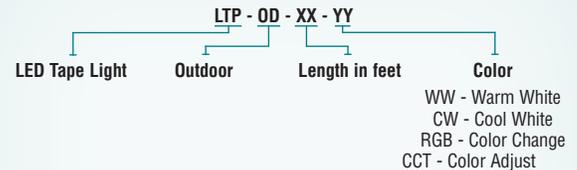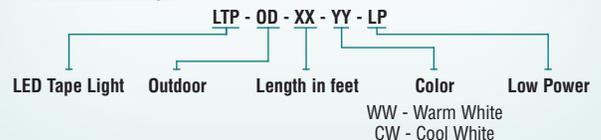## Product Codes – <u>Indoor</u> LED Tape Light

Standard Tape

LTP - XX - YY

LED Tape Light	Length in feet	Color
		WW - Warm White
		CW - Cool White
		GR - Green
		AM - Amber
		BL - Blue
		RD - Red
		RGB - Color Change
		CCT - Color Adjust

LP, Low Power Tape

LTP - XX - YY - LP

LED Tape Light	Length in feet	Color	Low Power
		WW - Warm White	2.2W/FT
		CW - Cool White	

Product Codes – <u>Outdoor</u> LED Tape Light

Standard Tape

LTP - OD - XX - YY

LED Tape Light	Outdoor	Length in feet	Color
			WW - Warm White
			CW - Cool White
			RGB - Color Change
			CCT - Color Adjust

LP, Low Power Tape

LTP - OD - XX - YY - LP

LED Tape Light	Outdoor	Length in feet	Color	Low Power
			WW - Warm White	
			CW - Cool White	

Each 20' (16' for CCT) roll of Tape Light includes power feeds

LED eSTRIP

LED eStrip is our most versatile linear lighting product.
Now with 3014 type LEDs, LED eSTRIP is brighter and better than ever!

Now Available in
RGB Color Change and
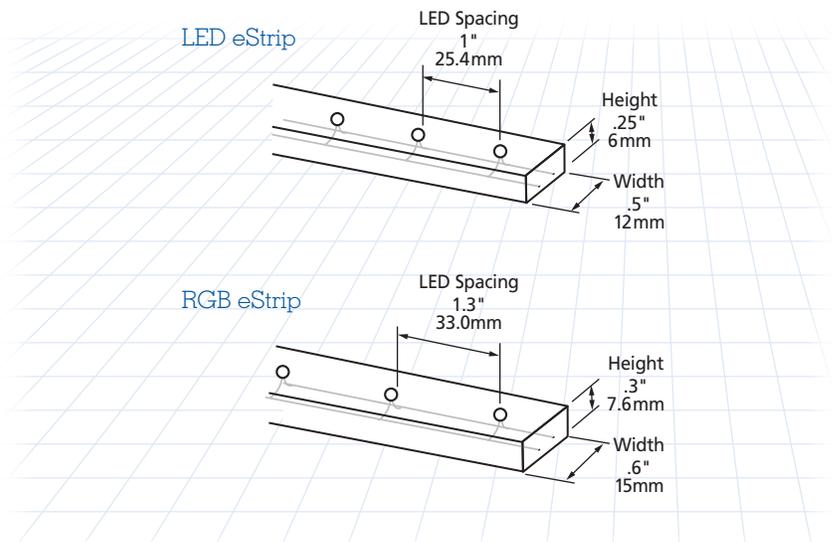*High Power (50% Brighter) versions!*

DIMMABLE!

LED eSTRIP (eSTRIP) is an indoor / outdoor flexible light strip that is an economical alternative to neon. Made with ultra bright 3014 type LEDs encased in a durable PVC flexible extrusion, eSTRIP provides a clean neon look at a fraction of the price and 1/10th the energy consumption. LED eSTRIP is ETL approved and is **fully field cuttable** making it very simple to install. A variety of mounting accessories and power supplies further enhance ease of installation. Safe 24 Volt operation and low energy consumption make eSTRIP a very practical product.

Features

✔ 40,000 hour life
✔ Safe low voltage (24V)
✔ Virtually maintenance free
✔ Ultra low power consumption
✔ Crushproof to 100psi
✔ Field cuttable
✔ Inter-connectable
✔ Highly flexible (min. bend radius 1.5")
✔ Indoor/outdoor use
✔ Impact resistant
✔ Six brilliant colors plus RGB Color Change
✔ Dimmable
✔ 2 year limited warranty

LED eStrip
LED Spacing
1"
25.4mm
Height
.25"
6mm
Width
.5"
12mm

RGB eStrip
LED Spacing
1.3"
33.0mm
Height
.3"
7.6mm
Width
.6"
15mm

Applications

- Building outlines
- Coves
- Stairway and aisle lighting
- Signage
- Backlit panels
- Decks
- Edgelit glow
- Emergency lighting
- Pathway lighting
- Billboards
- Highlighting architectural features
- Over/Under cabinets

LED eSTRIP

Specifications

Dimensions	.25" X .5" (6mm x 12mm), .3" x .6"(15mm x 7.6mm) for RGB eStrip
PVC body color	Clear
LED spacing	1" (25.4mm), 1.3" (33mm) for RGB eStrip
Colors	Amber, Red, Blue, Green, Cool White, Warm White, RGB
Voltage	24V DC
Cutting Lengths	6" (152.4mm), 8" (198mm) for RGB eStrip
Power Consumption	0.96 watts/ft, 2.2 watts/ft for RGB and High Power versions
Average LED Life	40,000 hours
Maximum length	90' (27.4 m), 40' (12m) for RGB and High Power version
Min/Max Surface Temperature for Mounting	-40°C – 40°C (-40°F – 104°F)

Color Specifications

Color		Product Code
Amber	590 nm	LES-XX-AM
Red	630 nm	LES-XX-RD
Blue	465 nm	LES-XX-BL
Green	525 nm	LES-XX-GR
Cool White	5800K (± 200K)	LES-XX-CW
Warm White	3000K (± 200K)	LES-XX-WW

Indoor/Outdoor Dimmable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE24L40DC
Max 37.5' (11.4 m)
Min 8 Watts, 8' LED Strip (2.44 m)
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE24L96DC
Max 90' (27.4 m)
Min 8 Watts, 8' LED Strip (2.44 m)
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

Non Dimmable Drivers

LEDDR-24-120W
Indoor/Outdoor driver
120W hardwire
Max 90' (27.4 m) per single tap
Max 120' (36.5 m) combined 2 secondary taps
Input: 100 - 240V AC
Output: 24V DC
10" x 3 3/8" x 3 3/16" (254 x 85.7 x 80.9mm)

NOTE: For High Power or RGB eStrip, maximum lengths shown must be multiplied by .45 due to higher power consumption.

Accessories Single Channel (including High Power)
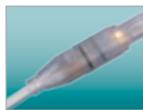
LES-001-6BR
1.5' Power connector for burial connections, 1/4" x 1/2" (6mm x 12mm). Comes with end cap.
LES-001-6CL
6' Power connector for through wall connections
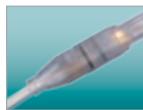
LES-001-12BR
12' Power connector for burial connections, 1/4" x 1/2" (6mm x 12mm). Comes with end cap.
LES-001-12CL
12' Power connector for through wall connections

LES-STP-2CL
2' Step cord (shown) for through wall connections
LES-STP-2BR
2' Step cord for burial connections

LES-STP-12BR
12' Step cord (shown) for burial connections
LES-STP-12CL
12' Step cord for through wall connections

LES-FLEX-CL
Step cord (shown) for through wall connections
LES-FLEX-BR
Step cord for burial connections

LMSII-001
Terminal block and junction box for connection to additional lengths of power cable if needed.

LES-BFLN
L type connector, 1/4" X 1/2" (6mm x 12mm)

LES-002
In-Line connector set, male and female, 1/4" X 1/2" (6mm x 12mm)

LES-BFTD
T type connector, 1/4" X 1/2" (6 x 12mm), male connector in bottom

LES-003-2
Cutting end cap, 0.25" X 0.5" (6mm x 12mm)
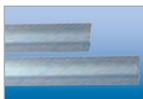**LES-003-3**
Molded end cap (not shown)

LES-BFTR
T type connector, 1/4" X 1/2" (6 x 12mm), male connector in right or left

LES-005
Wood nail clips, 1/4" X 1/2" (6mm x 12mm)
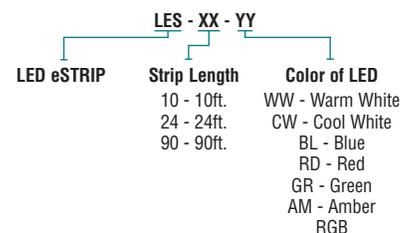
LES-008
Tie wrap and mounting saddle

LES-010
4' plastic mounting channel, indoor use
LES-010-S
Predrilled with screws
LES-010-T
With double sided tape

NOT SHOWN: **LES-BFXN -** X type connector, 1/4" X 1/2" (6mm x 12mm)

Call us for complete photometric data.

eStrip is now bright enough for under cabinet applications!

Product Codes

LES - XX - YY

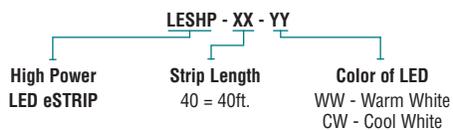| LED eSTRIP	Strip Length	Color of LED
	10 - 10ft.	WW - Warm White
	24 - 24ft.	CW - Cool White
	90 - 90ft.	BL - Blue
		RD - Red
		GR - Green
		AM - Amber
		RGB

NEW!

New High Power eStrip with twice the lumen output of our regular eSTRIP!

HIGH POWER eSTRIP is brighter than neon, half the cost and easier to install. It's flexible nature and field cutability make this product easy to maintain and provides a true neon look at a fraction of the installed price of neon. Outdoor rated, dimmable power supplies means no "through wall" wiring when installing. Call us today for a demo of this remarkable product. See specifications on page 6.

High Power eStrip Product Codes

LESHP - XX - YY

High Power LED eSTRIP	Strip Length	Color of LED
	40 = 40ft.	WW - Warm White
		CW - Cool White

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RGB eSTRIP utilizes RGB LEDs allowing you to produce dramatic color change effects for building outlines, architectural features or anywhere eye catching color change display lighting is needed.

RGB eStrip Accessories

LES-BTFN
Female connector

LES-BTMN
Male connector

LES-BTSN
In line connector

LES-BTMC-XX
Power connector (XX = 1.5' or 6')

LTP-001-OD-6FT
72" Power feed connector for connection to outdoor signal amplifier

LES-BTMC-G4-SI
Signal in connector for RGB eStrip connection to outdoor signal amplifier

LES-BTMC-G4-SO
Signal out connector for RGB eStrip connection to outdoor signal amplifier

LES-STCN
Cutting end cap

LES-STFN
Female end cap

LES-STPV-T
Polycarbonate U-channel (1M)

LES-SNPT
Wood nail clips,
1/4" X 1/2" (6mm x 12mm)

LES-C-6
Tie wrap

LES-MX-1
Allen key

TCJ-E06
6' (1.8m) Extension cord
TCJ-E30
30' (9.1m) Extension cord

RGB eStrip Product Codes

LES - XX - RGB

LED eSTRIP	Strip Length	RGB
	40 - 40ft.	

LED Globe Light

LED Globe Light is a Marquee style decorative
string light designed for the toughest of weather conditions.

LED Globe Light utilizes super bright LED's to provide
the ultimate in decorative string lighting for a multitude
of applications. It can be supplied pre-assembled 12"
(30.4cm) spacing or with loose lamp assemblies for
custom spacing. Operating on safe 24V class 2 power
supplies LED Globe Light is low in power consumption
and high in lumen output assuring you an extremely
effective decorative lighting project.

DIMMABLE!

Features

✔ Low power consumption
✔ Safe class 2, 24V power supply
✔ Field cuttable
✔ Multiple lamp spacings available
✔ Durable construction for indoor and outdoor use
✔ Available in Cool White and Warm White
✔ Optional Red, Blue, Green & Amber LEDs are
   also available

Applications

• Building outlines
• String across patios,
  walk ways, streets
  and public areas
• Under soffits
• Bridges
• Architectural features
• Coves
• Window decorations
• Decks and patios

1.77" (45mm)

2.76"
(70mm)

Shown Actual Size

LED Globe Light
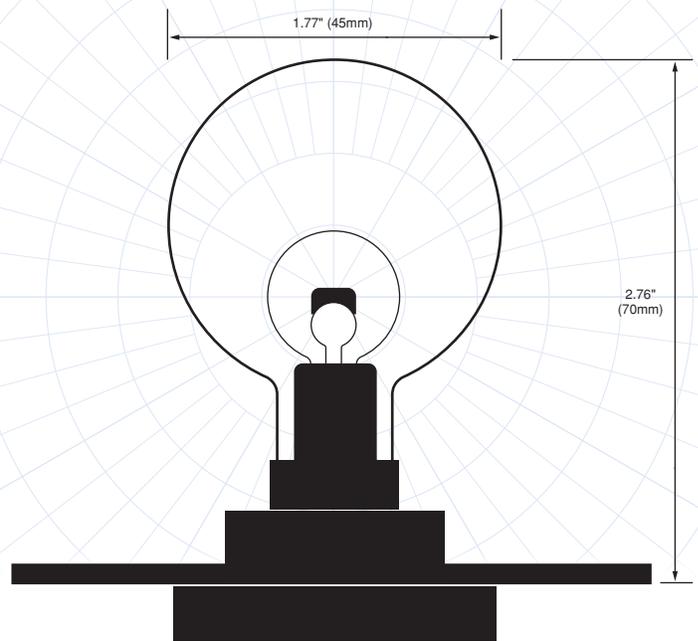
Specifications

Electrical	24V DC, .5W
LED Life	50,000 hours
LED Colors	Cool White 6000K, Warm White 2700K Red, Blue, Green and Amber also available upon request
Lumen Output	50 lumens
Efficacy	100 Lumens per Watt
Cable	PVC black SPT2, 16AWG outdoor rated
Operating Temperature	-25°C to 65°C
Maximum length	150' (45.6M) Not to exceed 180 lamps
Wiring	Directly wired to class 2, 24V power supply

Power Supply Selection

Dimmable Indoor/Outdoor		Max # of Globes
TRE24L40DC	40 Watts	80
TRE24L96DC	96 Watts	180
Non Dimmable Indoor/Outdoor		
LEDDR-24-120W	120 Watts	180*

*180 on a single tap or 200 combined two secondary taps.

Accessories

MGST-Y
LED Globe Light lamp assembly
(Specify color – see product codes)

MGEC
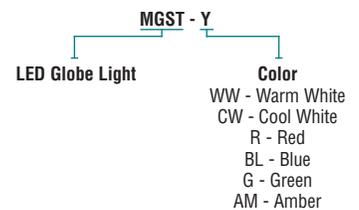End cap for wire (Bag of 10)

MGNC
Wood nail mounting clip

MGWC
Tie wrap for mounting to wire

ST16W - Outdoor rated cable for DIY mounting of LED Globe Light
MGTP - Double sided tape (Bag of 50 pieces)

Product Codes

MGST - 12 - Y

LED Globe Light

Spacing
12" Standard

Color
WW - Warm White
CW - Cool White
R - Red
BL - Blue
G - Green
AM - Amber

Globe Light Assembly Product Codes

MGST - Y

LED Globe Light

Color
WW - Warm White
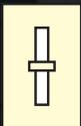CW - Cool White
R - Red
BL - Blue
G - Green
AM - Amber
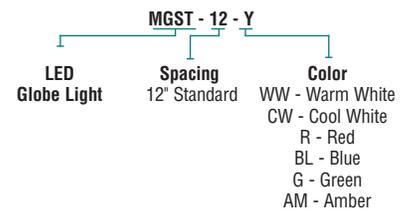
Outdoor Rated Cable
for attaching Globe Light Lamp Assemblies
ST16W

LED Wedge Light

NSL

LED Wedge Light is a robust all-weather product, ideal for building outlines and other decorative lighting applications.


DIMMABLE!

LED Wedge Light utilizes a 3 chip LED wedge base lamp mounted on outdoor rated SPT2 wire. It's high brightness, low power consumption and long life make it the perfect choice for decorative lighting applications both indoors and outdoors. Available in 6" (15.2cm) standard lamp spacing, LED Wedge Light can be cut to any length at any place on the wire. Custom spacing is also available. LED Wedge Light operates on safe class 2, 12V power supplies.

Features

✔ Low power consumption
✔ Safe class 2, 12V power supply
✔ Field cuttable
✔ Multiple lamp spacings available
✔ Durable construction for indoor and outdoor use
✔ Available in Cool White and Warm White
✔ Optional Red, Blue, Green & Amber LEDs are also available

Applications

- Building outlines
- Under soffits
- Bridges
- Architectural features
- Coves
- Window decorations
- Decks and patios

1.46" (37mm)

1.02" (26mm)
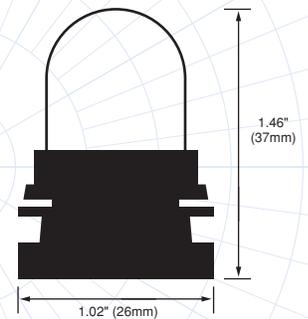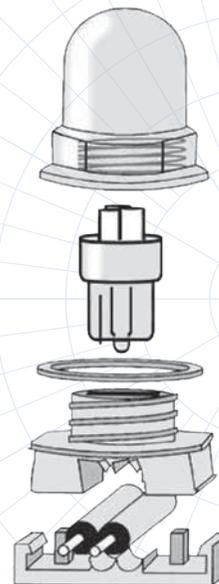
Shown Actual Size

LED Wedge Light

Specifications

Electrical	12V DC, .25W
LED Life	50,000 hours
LED Colors	Cool White 6000K, Warm White 2700K Red, Blue, Green and Amber also available upon request
Lumen Output	15 lumens
Efficacy	60 Lumens per Watt
Cable	PVC black SPT2, 16AWG outdoor rated
Operating Temperature	-25°C to 65°C
Maximum length	150' (45.6M) Not to exceed 200 lamps
Wiring	Directly wired to class 2, 12V power supply

Power Supply Selection

Dimmable Indoor/Outdoor		Max # of Globes
TRE12L20DC	20 Watts	80
TRE12L60DC	60 Watts	200

Non Dimmable Indoor/Outdoor		
LEDDR-12-60W	60 Watts	200

Accessories

MGWL-Y
LED Wedge Light lamp assembly
(Specify color – see product codes)
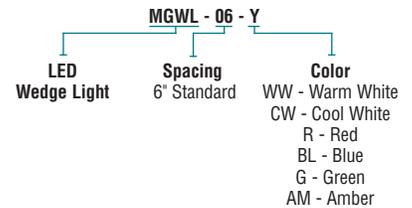

MGEC
End cap for wire (Bag of 10)
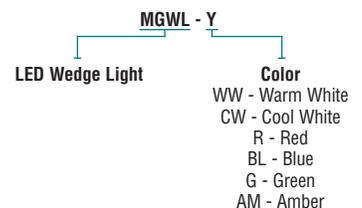

MGNC
Wood nail mounting clip

MGWC
Tie wrap for mounting to wire

ST16W - Outdoor rated cable for DIY mounting of LED Wedge Light
MGTP - Double sided tape (Bag of 50 pieces)

Product Codes

MGWL - 06 - Y

LED Wedge Light	**Spacing** 6" Standard	**Color** WW - Warm White CW - Cool White R - Red BL - Blue G - Green AM - Amber

Wedge Light Assembly Product Codes

MGWL - Y

LED Wedge Light	**Color** WW - Warm White CW - Cool White R - Red BL - Blue G - Green AM - Amber

LED Hard Strip

LED Hard Strip is a energy efficient linkable linear strip in
an aluminum casing. These LED's are cool to the touch
and provide 120° beam spread. Available in 3 sizes.
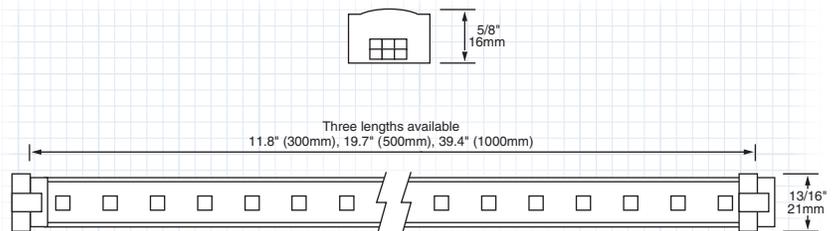
DIMMABLE!
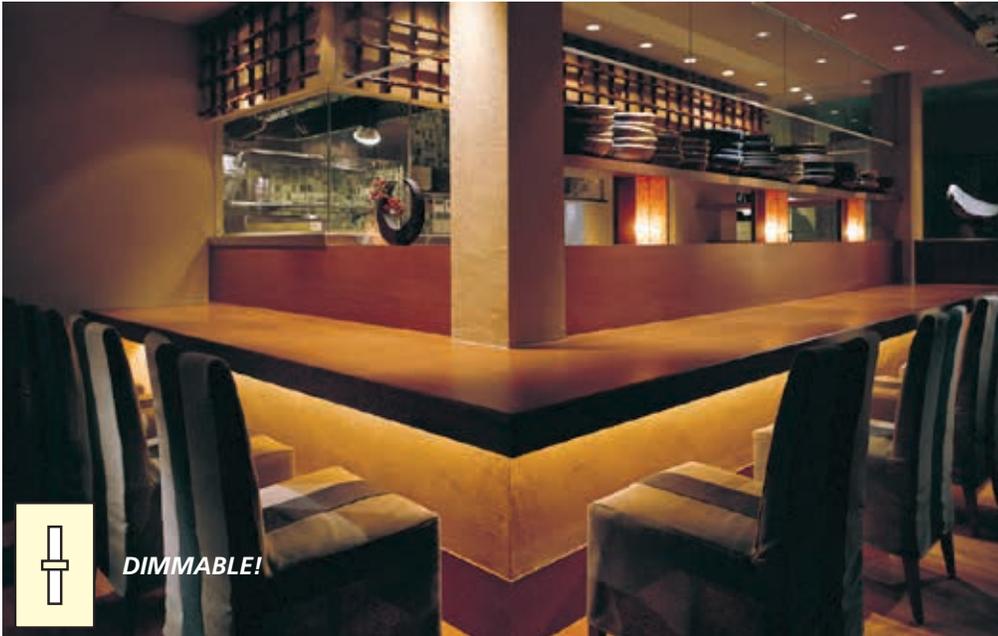
LED Hard Strips Series combines high output LED's
in a unique linkable extrusion ideal for under
cabinet, showcases, and in cabinet applications. LED
Hard Strips is available in 3 sizes and 4 mounting
options providing seamless, even distribution of light
delivering outstanding light output and low power
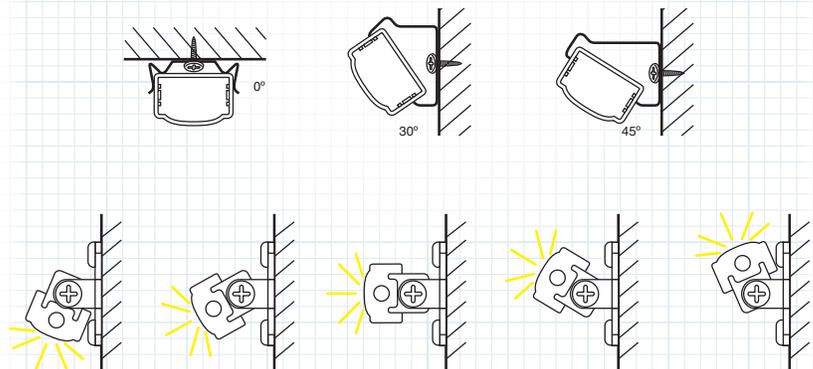consumption.

Features

✔ Use high brightness 0.5W SMD PLCC-2 LEDs as
   lighting source
✔ Even light distribution with 120° viewing angle
✔ 24V DC
✔ 3 sizes – 30cm, 50cm, and 100cm
✔ Convenient connector between two strips
✔ Diffused frosted lens to reduce glare

Applications

• Under Counter
• Display Cases
• Cabinet Interiors
• Work Stations
• Linear interior decorative lighting

5/8"
16mm

Three lengths available
11.8" (300mm), 19.7" (500mm), 39.4" (1000mm)

13/16"
21mm

Mounting Options

0°

30°

45°

Rotary Mounting Clip

13

NATIONAL SPECIALTY LIGHTING

NSL

Specifications	LV-HS-XX*-24T2-1Y**	LV-HS-XX*-24T2-2Y**	LV-HS-XX*-24T2-3Y**
Color Temperature			
Warm White	3000K +/- 200K	3000K +/- 200K	3000K +/- 200K
Neutral White	4200K +/- 200K	4200K +/- 200K	4200K +/- 200K
Cool White	6200K +/- 200K	6200K +/- 200K	6200K +/- 200K
RGB	–	–	–
Lens	Y**	Y**	Y**
Size (mm)	300 x 16 x 21mm	500 x 16 x 21mm	1000 x 16 x 21mm
Input Voltage (V DC)		24	
Power per strip	3.6W	6W	12W
Lumens (lm)			
Cool White	280	480	960
Neutral White	270	450	900
Warm White	252	420	840
RGB	–	–	–
LED Qty. per strip	18	30	60
Viewing Angle		120°	

* XX = LED color: WW = Warm White (3000K), NW = Neutral White (4200K), CW = Cool White (6200K), RGB
** Y = Lens: F = frosted, clear lens on RGB LED Hard Strip

Accessories

Power Feed for LED Hard Strip single color, Bar - DC plug power supply
LV-HS-PF1-12
12" Power Feed
LV-HS-PF1-39
39" Power Feed

LV-HS-PF1-HW
36" Power Feed for LED Hard Strip single color, Bar - Hard wire power supply
LV-HS-PF1-CM-HW
For through wall connections

Power Connector LED Hard Strip single color, Bar - Bar
LV-HS-PC1-3
3" Power Connector
LV-HS-PC1-12
12" Power Connector
LV-HS-PC1-39
39" Power Connector

LV-HS-PF2-HW
36" Power Feed for LED Hard Strip RGB, Bar - Hard wire power supply

Power Connector for LED Hard Strip RGB, Bar - Bar
LV-HS-PC2-3
3" Power Connector
LV-HS-PC2-12
12" Power Connector
LV-HS-PC2-39
39" Power Connector

LV-HS-CN-3DC
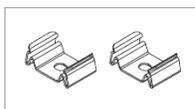Connector for Hard Strip, with 12" wire lead and 3 DC connectors
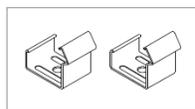

LV-HS-EC
End Cap for LED Hard Strip

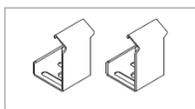**LV-TC101**
Mini Three Button Dimmer 24V, 96W

LV-RF103-EXHS
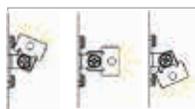6" RF Extension Cable for LV RF103 wireless controller

LV-HS-MC0
Mounting clip (2pk)

LV-HS-MC30
Mounting clip 30° (2pk)

LV-HS-MC45
Mounting clip 45° (2pk)


LV-HS-MCRT
Rotary Mounting clip (2pk)

Each Rigid bar ships with two pieces of 0° Mounting Clip

Portable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

LV-HSDR-36-24-PC
36W plug-in driver, 24V, DC Portable Driver, 1.5A output, 100V–240V input voltage; with six foot (72") power cord to polarized 2-prong AC plug and 60" lead wire to DC plug and switch, cUL/us Listed

LV-HSDR-60-24-PC
60W plug-in driver, 24V, DC Portable Driver, 2.5A output, 100V–240V input voltage; with six foot (72") power cord to polarized 2-prong AC plug and 60" lead wire to DC plug and switch, cUL/us Listed

Non Dimmable Drivers

LEDDR-24-120W
Max recommended load 18W LED Hard Strip 20W hardwire
Input: 100 – 240V AC
Output: 24V DC

Dimmable Drivers

TRE24L40DC
Max recommended load 36W, min. 8W LED Hard Strip
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE24L96DC
Max recommended load 90W, min. 8W LED Hard Strip
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

For a complete list of RGB controllers, color temperature controllers and control accessories please see page 59.

LED Thin Star

An elegantly thin fixture that provides excellent
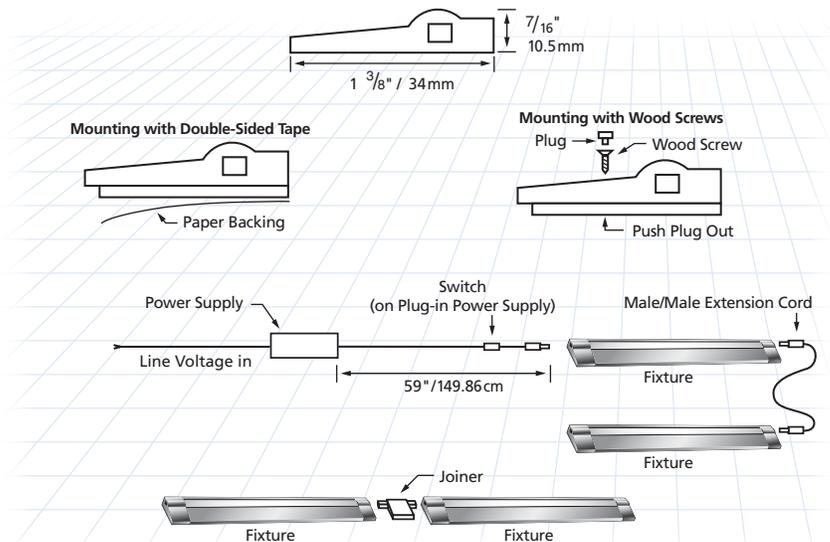task lighting capabilities with a slim profile.
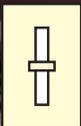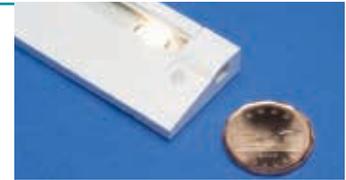
DIMMABLE!

LED Thin Star by NSL provides excellent LED lighting for under cabinets, showcases, in cabinets, and many other applications. This light weight fixture can be mounted to any surface, is low in power consumption and provides high quality light. LED Thin Star is available in two different lengths which can be joined together providing seamless light in the lengths you require.
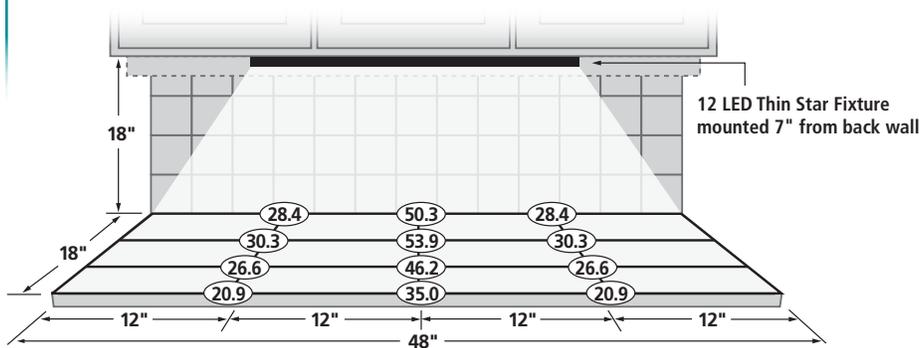
Features

✔ Available in:
6 LED (11" / 281mm)
12 LED (21.8" / 553mm)

✔ 40,000 hour lamp life

✔ Low power consumption of 3.5W and 7.0W per respective lengths

✔ QPS listed for indoor surface mount locations

✔ Available in White, Black, Bronze and Brushed Aluminum finishes

✔ Warm White 3000K color temperature

✔ Safe 24V class 2 operation

✔ Easy installation with double sided tape or mounting screws provided with fixture

✔ Quick connect joiners in various lengths for easy wiring

✔ Ultra slim profile

✔ 3 year limited warranty

✔ Dimmable

7/16" 10.5mm
1 3/8" / 34mm

Mounting with Double-Sided Tape
Paper Backing

Mounting with Wood Screws
Plug → Wood Screw
Push Plug Out

Power Supply
Line Voltage in
Switch (on Plug-in Power Supply)
59"/149.86cm
Male/Male Extension Cord
Fixture

Fixture

Joiner
Fixture
Fixture

Applications

• Shelves
• Display cases
• Under cabinets
• Above cabinets

• Accent lighting
• Work stations
• Podiums and consoles

Countertop Photometrics Data

18"

18"

12 LED Thin Star Fixture mounted 7" from back wall

28.4	50.3	28.4
30.3	53.9	30.3
26.6	46.2	26.6
20.9	35.0	20.9

12" | **12"** | **12"** | **12"**

48"

(X.X) **Illuminance in footcandles**

Specifications

Specifications	LTH-6-YY	LTH-12-YY
Size	11 1/8" x 1 3/8" x 7/16" (281 x 34 x 11mm)	21 7/8" x 1 3/8" x 7/16" (553 x 34 x 11mm)
LED Number	6pcs	12pcs
Power consumption (W)	3.5W (Max.)	7.0W (Max.)
Current	0.12A	0.24A
Luminous flux (lm)(+/-10% tolerance)	155 lm	300 lm
Luminous Efficiency	44 lm/w	43 lm/w
Illumination @ 45cm (+/- 10% tolerance)	345 Lux	594 Lux
Maximum Single Run	See adjacent power supply information	
Voltage	24V DC	
Fixture Color	Aluminum / Black / White / Bronze	
Lens	Clear Glass	
LED Color	Warm White (3000K +/- 200K)	
LED Type	5630	
LED CRI	80	
Average LED Life	40,000 hours	
Mounting	Double sided tape and wood screws (included)	

Dimmable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE24L40DC
Max. recommended load 36 watts or 60 Thin Star LEDs
Min. recommended load 8 watts or 18 Thin Star LEDs
(see number of LEDs per fixture in specs)
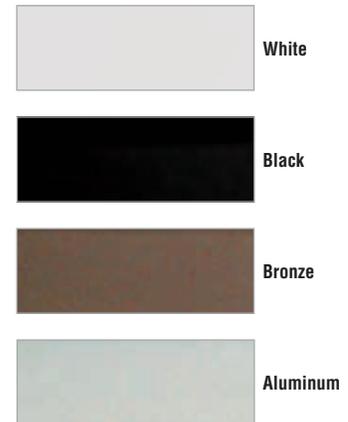6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

Non Dimmable Drivers

LTH-24-65W
65W plug in
Maximum 10 pcs LED-TS-1U, maximum 5 pcs LED-TS-2U or any combination up to 60 LEDs
Input: 100 – 240 V AC
Output: 24 V DC
4 3/4" x 2 1/2" x 1 1/2" (120mm x 58mm x 38mm)

Cover Finish

White

Black

Bronze

Aluminum

Accessories

Joiner Male/Male
LTH-JOIN-YY*

Wire Screw Clips
WSC-004

LMSII-001
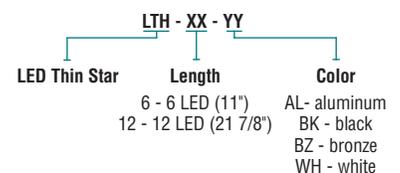Terminal block and junction box for connection to additional lengths of power cable if needed.

Power Supply Cords
Female (from Driver)
LTH-001-6YY* 6' (1.83m)
LTH-001-12YY* 12' (3.6m)

Connector Cords
Male/Male (between fixtures)
LTHMM-1.5-YY* - 1.5' (45.7cm)
LTHMM-3-YY* - 3' (91.4cm)
LTHMM-6-YY* - 6' (1.83m)

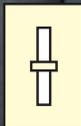*YY denotes cord color: BK = Black, WH = White, BN = Brown. CL denotes through wall cord.

Product Codes

LTH - XX - YY

LED Thin Star | **Length** | **Color**

	6 - 6 LED (11")	AL- aluminum
	12 - 12 LED (21 7/8")	BK - black
		BZ - bronze
		WH - white

LED Mini Star II

This award winning product is a sleek and powerful fixture ideal for in cabinet, under cabinet and showcase lighting.

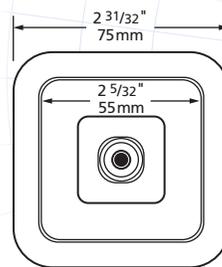**NSL**

c(ETL)us LISTED

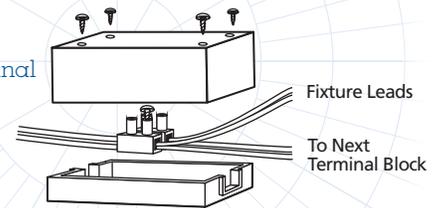**DIMMABLE!**

Replaceable LED Module

LED Ministar II is a powerful yet compact LED surface mount fixture designed for use in a wide variety of indoor applications. LMS II contains a replaceable 3.26W LED module made with 6 LG5630 LEDs and is fully dimmable with our dimmable LED power supplies. The LMS II delivers more light than a typical 18W Xenon fixture providing energy savings of more than 80%. The color temperature of 3000K provides warm, even light. The sleek profile makes the Mini Star II virtually invisible in most applications.

Features

✔ Light weight, ultra slim profile
✔ Dimmable with certain power supplies
✔ Replaceable LED modules
✔ Long life 40,000 hours
✔ Comes with terminal block connector and cover for connection to low voltage power supply
✔ Available in 4 finishes White, Black, Bronze and Brushed Aluminum
✔ Safe 24V class 2 operation
✔ 3 year limited warranty
✔ Easy to install

2 31/32" 75mm

2 5/32" 55mm

Terminal Block

Fixture Leads

To Next Terminal Block

Single Fixture Wiring
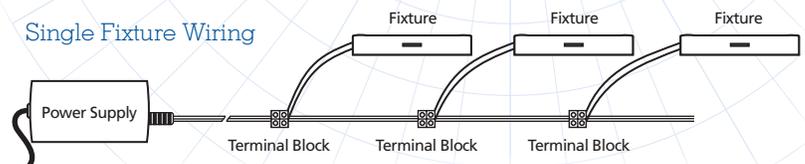
Fixture   Fixture   Fixture

Power Supply

Terminal Block   Terminal Block   Terminal Block
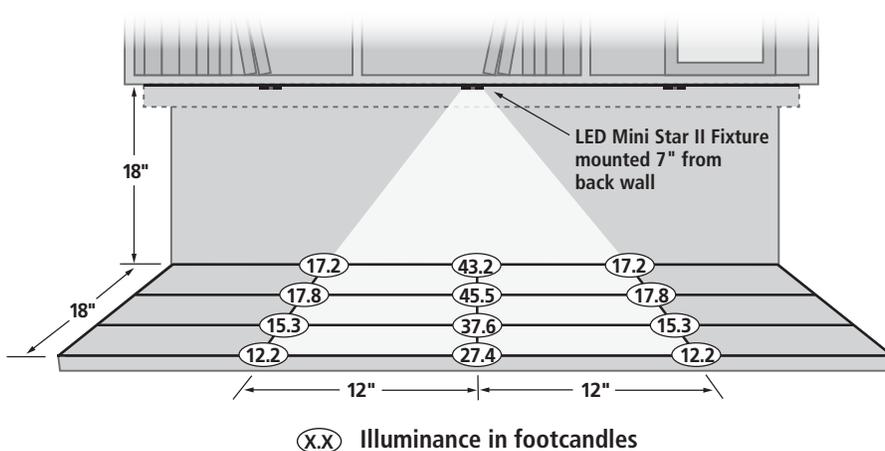
Applications

• Under cabinets
• Over cabinets
• Indirect lighting
• Display cases
• Furniture, shelf lighting
• Ceilings

LED Mini Star II

Countertop Photometrics Data

LED Mini Star II Fixture mounted 7" from back wall

18"

18"

17.2	43.2	17.2
17.8	45.5	17.8
15.3	37.6	15.3
12.2	27.4	12.2

12"   12"

(X.X) **Illuminance in footcandles**

Specifications

Dimensions	2 15/16" x 2 15/16" x 1/2" (75mm x 75mm x 13mm)
Product Material	Aluminum base, PC cover
Lens	Frosted glass
Cover Colors	White, Black, Bronze, Aluminum
Mounting	Wood screws provided or double sided tape provided
Average LED life	40,000 hours
LEDs per fixture	6
Operating Voltage	24V DC
Power Consumption	3.26W
Current	136mA
Maximum Single Run	See adjacent power supply information
Fixture Illuminance	404 lux 17 3/4" (45cm) above surface
Luminous Flux of LED Module	137 lumens
Luminous Efficacy	42 lm/W
CRI	83
Color Temperature	3000K
Operating Temperature	-5°C – 50°C

Dimmable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE24L40DC
Maximum 10 LED Mini Star II fixtures
Min. load 8 watts or 3 LED Mini Star II fixtures
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE24L96DC
Maximum 25 LED Mini Star II fixtures
Min. load 8 watts or 3 LED Mini Star II fixtures
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

Non Dimmable Drivers

LMS-24-18W
18 W plug in
Maximum 4 LED Mini Star II fixtures
Input: 100 – 240 V AC
Output: 24 V DC
3.46" x 1.97" x 1.34" (88 x 50 x 34mm)

LMS-24-60W
60 W plug in
Maximum 16 LED Mini Star II fixtures
Input: 100 – 240 V AC
Output: 24 V DC
4 3/4" x 2 1/2" x 1 1/2" (120 x 58 x 38mm)

LEDDR-24-120W
Maximum 32 LED Mini Star II fixtures,
16 per single tap
Input: 100 - 240V AC
Output: 24V DC
10" x 3 3/8" x 3 3/16" (254 x 85.7 x 55.6mm)

Accessories

LEDMOD-24-LP
Warm white LED replacement module 2900K ± 200

WSC-004
Wire screw clips

LMSII-001
Terminal block and junction box for connection to additional lengths of power cable if needed.
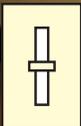
Product Codes

Single Fixtures

LMSII-F-AL
LMSII-F-BK
LMSII-F-BZ
LMSII-F-WH

LED LP Puck Lights

LED LP Puck Lights are a sleek and powerful lighting fixture ideal for in cabinet, under cabinet and show case lighting.
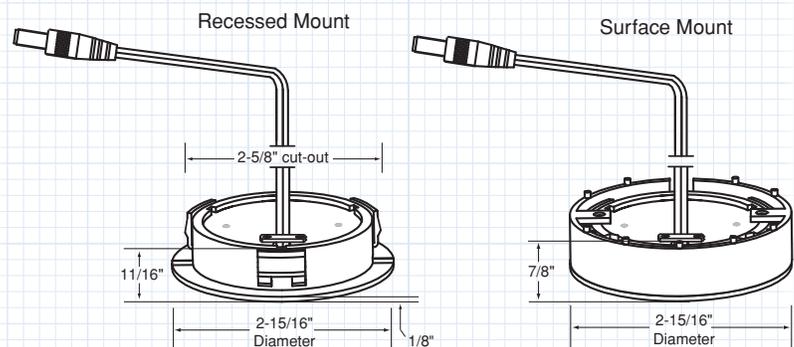
c UL us
Listed

DIMMABLE!

Save up to 87% in running costs compared to 20 watt xenon or halogen puck lights. Use in cabinets, display cases, retail environments, cubbies, entertainment centers, back bar areas, wine rooms, china cabinets, built-in shelving and anywhere a low-profile, economical puck light is required.

Features

✔ Warm White (3000K) LED light with 80 CRI
✔ Plastic housing in two attractive finishes
✔ Produces minimal heat – helps keep displays cool
✔ Easy installation – no lamps to replace,
  no dimmers to install!
✔ Long life LEDs last up to 30,000 hours
✔ High light output – each puck delivers 125 lumens
✔ 2 year warranty

Applications

• Under cabinets
• Over cabinets
• Indirect lighting
• Display cases
• Furniture, shelf lighting

Recessed Mount

2-5/8" cut-out

11/16"

2-15/16" Diameter

1/8"

Surface Mount

7/8"

2-15/16" Diameter

LED LP Puck Lights

Photometrics Data

LED Puck Light ⬭ Lumen Output: 125.0 lm

| Height	Eavg/Centre E		Diameter
4.9ft / 1.5m	12.701x		8.68ft
	25.411x		264.74cm
6.6ft / 2m	7.141x		11.58ft
	14.291x		352.98cm
13.1ft / 4.0m	1.791x		23.16ft
	3.571x		705.97cm
14.8ft / 4.5m	1.411x		26.05ft
	2.821x		794.21cm
19.7ft / 6m	0.791x		34.74ft
	1.591x		1058.95cm

Angle: 82.9 deg
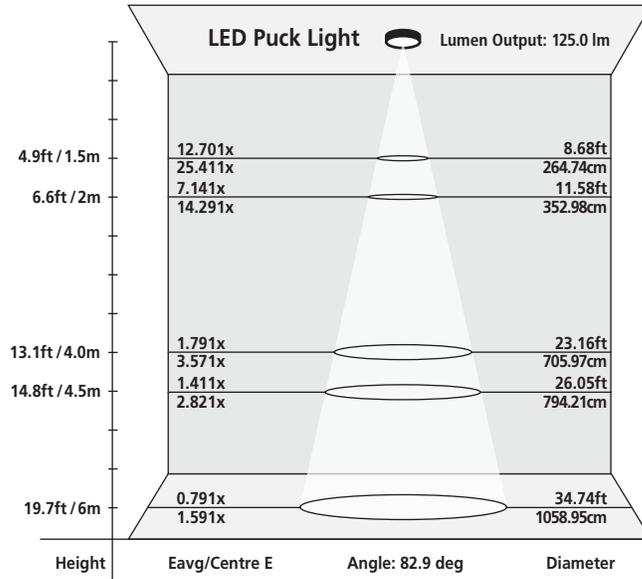
Note: The curves indicate the illuminated area and the average illumination at a set distance from the LED Puck Light.

Specifications

Input Voltage:	120V DC, 60 Hz AC operation (140mA driver output)
Wattage	LP-1-YY (Single Puck) = 2.9W LP-3KIT-YY (3 Puck Kit) = 8.2W LP-5KIT-YY (5 Puck Kit) = 13W
Maximum	Run 6 single pucks or one 5-light kit plus one single puck using LP-6P-15W (included with 5-light kits)
LED Specs	5630 SMD LEDs, 30,000 hours rated life
Color Temperature	Warm White (3000K)
Color Rendering Index	80
Dimmers	Dimmable with inline dimmer attached to plug-in drivers (LP-3P-9W and LP-6P-15W)
Lead wires	60" lead wires
Construction	Heavy duty, hard durable plastic
Dimensions	H = 7/8" (surface mounted), H = 1/8" (recessed mounted), Diameter = 2-15/16"
Mounting	Recessed or surface mount
Cut-out	2-5/8" hole size for recessed mounting

Connections Diagram

Power supply

Power connection hub with attached dimmer

Brightness adjustment dial (0-100%)
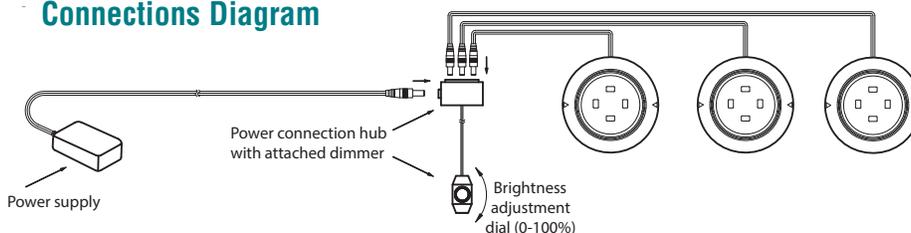
Dimmable Drivers

LP-3P-9W

9W plug-in driver, 120V, AC input, 15V, 140mA output; with six foot (72") power cord to polarized 2-prong AC plug and 60" lead wire to hub; includes 3-port hub and inline linear dimmer with 58" lead wire, cUL/us Listed

LP-6P-15W

15W plug-in driver, 120V, AC input, 15V, 140 mA output; with six foot (72") power cord to polarized 2-prong AC plug and 60" lead wire to hub; includes 6-port hub and inline linear dimmer with 58" lead wire, cUL/us Listed
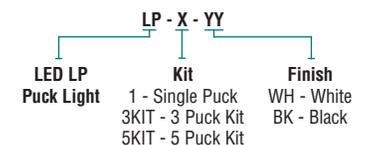
Cover Finish

White

Black

Product Codes

LP - X - YY

LED LP Puck Light

Kit
1 - Single Puck
3KIT - 3 Puck Kit
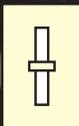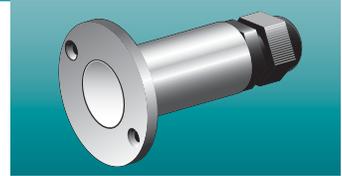5KIT - 5 Puck Kit

Finish
WH - White
BK - Black

NOTE:
LP-3KIT-YY Kit includes 3-hub connector, 9W plug-in driver and inline dimmer.
LP-5KIT-YY Kit includes 6-hub connector, 15W plug-in driver and inline dimmer.

LED Disc Light

NSL

A robust LED marker light ideal for public or residential applications, indoor or outdoor.

c (UL) us
Listed

DIMMABLE!

LED Disc Light is a robust fixture suitable for in-ground, ceiling or wall mount applications. The 3 watt LED package delivers a surprising amount of light making it ideal as an up light for shrubs and small trees. Certified for wet burial applications, LED Disc Light makes an excellent paver light for public areas, decks, driveways and patios. Our concrete form makes concrete pour applications simple and fast.

Features

✔ Fully dimmable with dimmable power supply (sold separately)
✔ Long life – 50,000 hours
✔ Low power consumption of 3 watts per fixture
✔ Safe 12 volt, Class 2 power supply (not included)
✔ Up to 30 fixtures per power supply
✔ cUL listed for in-wall, IC ceiling, in-floor, outdoor wet, and outdoor burial applications
✔ Fits in any 1.5" diameter hole, 4" long
✔ No UV, no infrared, no radiated heat
✔ 3 year limited warranty
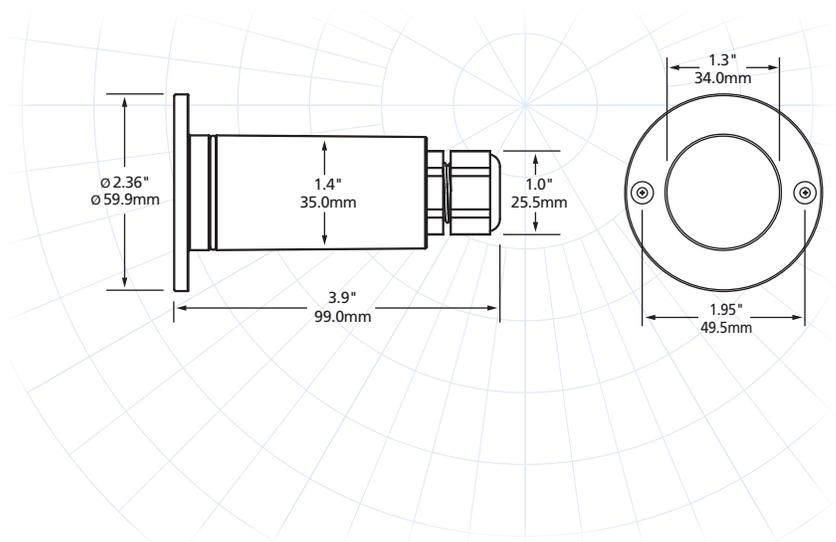
Ø 2.36"
Ø 59.9mm

1.4"
35.0mm

1.0"
25.5mm

3.9"
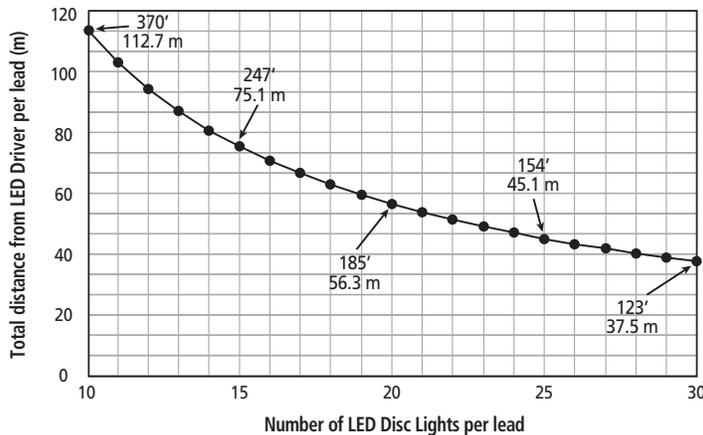99.0mm

1.3"
34.0mm

1.95"
49.5mm

Applications

- Steps
- Aisles
- Paths
- Driveways
- Direction lighting
- Information lighting
- Decorative lighting
- Merchandising
- Landscape accents

LED Disc Light

NSL

100% LED Light Output Chart

With every foot of lead wire and every light fixture, there is voltage loss. With too much voltage loss all light fixtures will not develop 100% of their potential output. Below is a chart of acceptable voltage loss which will maintain 100% of the potential light output of the LED Disc Light. Simply plot the number of LED Disc Light you wish to place on one lead on the horizontal axis, with the total distance from the LED Driver to the last LED Disc Light on the vertical axis. If the resulting plot is at or below the line shown, you will have acceptable voltage loss and your LED Disc Light will output 100% of their potential.

Chart — Total distance from LED Driver per lead (m), vertical axis 0–120; Number of LED Disc Lights per lead, horizontal axis 10–30.
- 370' / 112.7 m
- 247' / 75.1 m
- 185' / 56.3 m
- 154' / 45.1 m
- 123' / 37.5 m

Number of LED Disc Lights per lead

NOTE: No more than 18 LED Disc Lights per LEDDR-12-60W or 6 per LEDDR-12-20W-HW.

Indoor/Outdoor Dimmable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE12L20DC
Max. recommended load 18 W or 6 LED Disc Lights
Min. recommended load 8 W or 3 LED Disc Lights
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE12L60DC
Max. recommended load 54 W or 18 LED Disc Lights
Min. recommended load 8 W or 3 LED Disc Lights
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

Non Dimmable Drivers

LEDDR-12-60W
Indoor/Outdoor driver
Max. 18 LED Disc Lights
60W hardwire
Input: 100 - 240V AC
Output: 12V DC
9 11/16" x 2 9/16" x 2 1/16" (246 x 65 x 52mm)

Specifications

Voltage	12V DC
LED Type	5050
Average LED Life	50,000 hours
Power Consumption	3.0 W
Lumen output and Color Options	Cool White 98 lumens @ 5500K Warm White 95 lumens @ 2700K
Cover Finish	Stainless Steel
Barrel Finish	Stainless Steel
Lens	Frosted or Clear Tempered Glass
Wiring Options	Fixtures can be parallel wired or "Daisy chained" together with up to 18 fixtures on our largest driver. See adjacent power supply chart for details. NOTE: Use LW-18G-CL2 for all in-wall applications. Use LW-18G-BUR for all burial applications.
Agency Approval	cUL listed and labeled for wet, IC, ceiling, wall and direct burial applications.

Accessories

LEDD-CF
LED Disc Light concrete form for concrete pour applications.

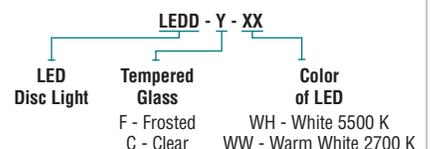Fits over most 3/4" conduit junction boxes.

LED Colors

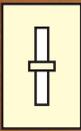White 5500 K LED

Warm White 2700 K LED

Product Codes

LEDD - Y - XX

LED Disc Light

Tempered Glass
F - Frosted
C - Clear

Color of LED
WH - White 5500 K
WW - Warm White 2700 K

LED MiniDisc Light

NSL

A robust LED marker light ideal for public or
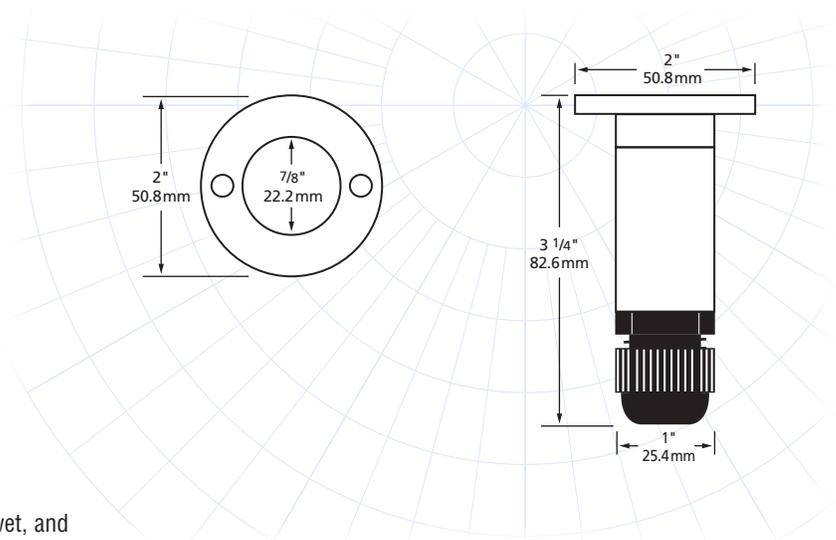residential applications, indoor or outdoor.

DIMMABLE!

LED MiniDisc Light is a compact yet powerful LED
light fixture suitable for hundreds of applications.
Made of durable cast aluminum, this robust fixture
is suitable for in-ground, ceiling or wall applications
– both indoor and outdoor. Our concrete form makes
concrete pour applications simple and fast. LED
MiniDisc Light makes LED marker lighting affordable
for any budget!

Features

✔ Now dimmable on the primary power supply side
with our new dimmable LED Drivers!

✔ Long life – 50,000 hours

✔ Low power consumption of 0.24 watts per fixture

✔ Safe 12 volt, Class 2 power supply (not included)

✔ Up to 100 fixtures per power supply

✔ cUL listed for in-wall, IC ceiling, in-floor, outdoor wet, and
outdoor burial applications

✔ Fits in any 1" diameter hole, 3 1/2" long

✔ 2 year limited warranty, 3 years on stainless steel

NOTE: When installing Mini Disc Lights in harsh environments
(such as limestone, salted areas, coastal environments, etc.),
please use the stainless steel version to avoid the risk of
corrosion to body of fixture.

2"
50.8mm

7/8"
22.2mm

2"
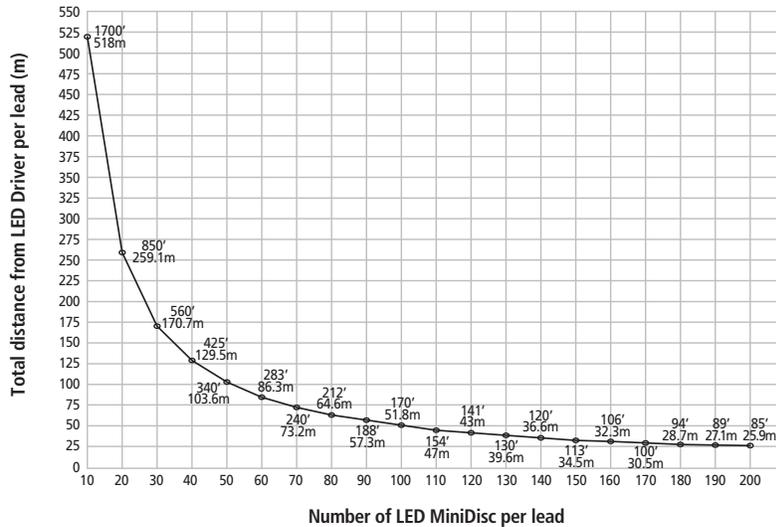50.8mm

3 1/4"
82.6mm

1"
25.4mm

Applications

- Steps
- Aisles
- Paths
- Driveways
- Direction lighting

- Information lighting
- Decorative lighting
- Merchandising
- Landscape accents

LED MiniDisc Light

NSL

100% LED Light Output Chart

With every foot of lead wire and every light fixture, there is voltage loss. With too much voltage loss all light fixtures will not develop 100% of their potential output. Below is a chart of acceptable voltage loss which will maintain 100% of the potential light output of the LED MiniDisc Light. Simply plot the number of LED MiniDiscs you wish to place on one lead on the horizontal axis, with the total distance from the LED Driver to the last LED MiniDisc on the vertical axis. If the resulting plot is at or below the line shown, you will have acceptable voltage loss and your LED MiniDisc will output 100% of their potential.

Total distance from LED Driver per lead (m) (vertical axis)

Chart data points:
- 1700' / 518m (at 10)
- 850' / 259.1m (at 30)
- 560' / 170.7m (at 40)
- 425' / 129.5m (at 50)
- 340' / 103.6m
- 283' / 86.3m (at 70)
- 240' / 73.2m
- 212' / 64.6m (at 80)
- 188' / 57.3m
- 170' / 51.8m (at 90)
- 154' / 47m
- 141' / 43m (at 110)
- 130' / 39.6m
- 120' / 36.6m (at 130)
- 113' / 34.5m
- 106' / 32.3m (at 150)
- 100' / 30.5m
- 94' / 28.7m (at 170)
- 89' / 27.1m (at 190)
- 85' / 25.9m (at 200)

Number of LED MiniDisc per lead (horizontal axis)

NOTE: No more than 200 LED MiniDisc Lights per LEDDR-12-60W or 75 per LEDDR-12-20W-HW.

Indoor/Outdoor Dimmable Drivers

See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE12L20DC
Max. recommended load 18 W or 75 LED MiniDisc Lights
Min. recommended load 8 W or 34 LED MiniDisc Lights
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE12L60DC
Max. recommended load 54 W or 200 LED MiniDisc Lights
Min. recommended load 8 W or 34 LED MiniDisc Lights
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

Non Dimmable Drivers

LEDDR-12-60W
Indoor/Outdoor driver
Max. 200 MiniDisc Lights
60W hardwire
Input: 100 - 240V AC
Output: 12V DC
9 11/16" x 2 9/16" x 2 1/16" (246 x 65 x 52mm)

Specifications

Voltage	12V DC
LED Module Specifications	12V DC, 20mA, 0.24 Watts
Average LED Life	50,000 hours
LED Colors	White 5400K, Warm White 2900K, Blue, Green, Amber, Red
Cover Finish	Aluminum, White, Bronze, Black, Stainless Steel
Barrel Finish	Aluminum, Stainless Steel
Packaging	Individually packaged in 2 color corrugated box
Construction	Both cover and barrel are die cast aluminum or stainless steel for corrosion protection, strength, weight and consistency of finish.
Lens	Frosted Tempered Glass
Wiring Options	Each LED Driver can power up to 200 LED MiniDisc Lights by parallel wiring ("daisy chain") between fixtures. NOTE: Use LW-18G-CL2 for all in-wall applications. Use LW-18G-BUR for all burial applications.
Agency Approval	cETLus listed and labeled for wet, IC, ceiling, wall and direct burial applications.

Accessories

LEDMD-CF
LED MiniDisc concrete form for concrete pour applications

Fits over most 1/2" (12.7mm) conduit junction boxes.

LED Colors

White 5400K LED

Green LED

Red LED

Warm White 2900K LED

Blue LED

Amber LED

Product Codes

LEDMD - XX - YY

LED MiniDisc Light	Color of LED	Finish
	AM - Amber	AL- Aluminum
	BL - Blue	BK - Black
	GR - Green	BZ - Bronze
	RD - Red	WH - White
	CW - White 5400K	
	WW - Warm White 2900K	

LED MiniDisc Scoop Light

LED MiniDisc Scoop is designed to direct light where you want it.
Ideal for stair lighting when placed on risers to avoid glare.
Great for theatre aisle ways.

c (UL) us
Listed

1"
25.4mm

2"
50.8mm

7/8"
22.2mm

3 1/4"
82.6mm

1"
25.4mm

2"
50.8mm

15/16"
23.8mm
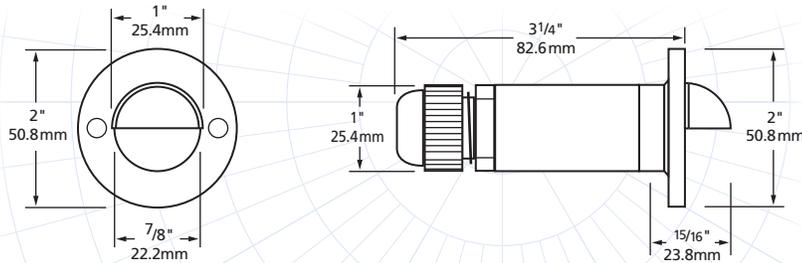
Product Codes

LEDMDS - XX - YY

LED MiniDisc Scoop Light	Color of LED	Finish
	CW - White 5400 K	AL- Aluminum
	WW - Warm White 2900 K	BK - Black
	BL - Blue	BZ - Bronze
	GR - Green	WH - White
	AM - Amber	
	RD - Red	

LED MiniDisc Light (Stainless Steel)

LED MiniDisc Light is now available in
solid Stainless Steel for high traffic applications
and in high salt environments.

c (UL) us
Listed

2"
50.8mm

7/8"
22.2mm

2"
50.8mm

3 1/4"
82.6mm

1"
25.4mm
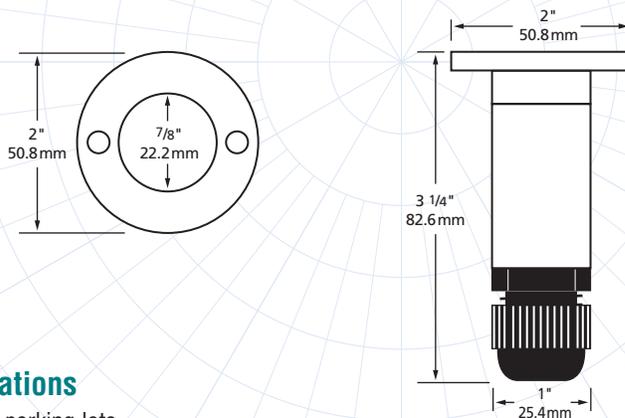
Applications

• Public parking lots
• Heavy traffic areas
• Salt and other corrosive environments

NOTE: Same electrical specifications, LED colors
and dimensions as aluminum MiniDisc Lights.
Stainless steel are not available in scoop version.

Product Codes

LEDMD - XX - SS

LED MiniDisc Light	Color of LED	Stainless Steel
	CW - White 5400 K	
	WW - Warm White 2900 K	
	BL - Blue	
	GR - Green	
	AM - Amber	
	RD - Red	

LED Dimmers

Dimmer Compatibility List for LED Voltage Drivers

The listed dimmers were tested with E-Series LED Voltage Drivers. Dimmers performance may vary within the same model or with different LED load types.

Additional MLV (Magnetic Low Voltage) may be used, please contact our customer service department for more information. Compatibility list may change without prior notice.

Lutron Approved Dimmers

INCANDESCENT DIMMERS

Lutron Skylark
S-103P
S-603P
S-10P
S-600P
S-103PNL
S-603PNL
S-10PNL
S-600PNL

Lutron Rotary
D-603P
DNG-603PH-DK
D-600
DNG-603P
DNG-600P
D-600R

Lutron Maestro
MA-1000
MA-600
MSC-1000M
MSC-600M

Lutron Nova Dimmer
N-1500
N-2000
N-1000
N-600
N-1503P
N-2003P
N-1003P
N-603P

Lutron Diva
DVCL-153PH
DVCL-153P
DVCL-253P
DVSCCL-153P
DVSCCL-253P
DV-103P
DVSC-103
DVSC-603P
DVSCCL-253P
DV-103P
DVSC-103P

DVSC-603P
DV-603P
DV-10P
DV-600P
DVSC-10P

MLV DIMMERS

Lutron Vareo Dimmer
V-1000
V-600
V-1000-S
V-600-S
VETN-1000
VETS-1000
VETS-1000-CSA
VETN-1000-S
VETN-1000
VETS-1000
VETS-1000-CSA
VETN-1000-S
VETS-1000-SL-S
VETS-A-SL
VETS-A-SL-S

Lutron Ariadni Dimmer
AYLV-603P
AYLV-603P-CSA
AYLV-603P-S
AYLV-600P
AYLV-600PCSA
AYLV-600P-S

Lutron Lyneo Dimmer
LXLV-103PL
LXLV-603PL
LXLV-10PL
LXLV-600PL

Lutron Nova T Dimmer
NTLV-1500
NTLV-1000
NTLV-1000-277
NTLV-600
NTLV-600-277

Lutron Aycl Dimmer
AYCL-153-PH

Lutron Nova Dimmer
NTLV-1000
NTLV-1500
NTLV-600
NTLV-1500-S
NTLV-600-S
NTLV-1000-S
NTLV-1503P
NTLV-2003P

NTLV-1003P
NTLV-603P
NTLV-1503P-CSA
NTLV-1003P-CSA
NTLV-603P-CSA
NTLV-1503P-S
NTLV-2003P-S
NT-3PS
NT-3PS-CSA
NT-3PS-S
NTLV-1003P-S
NTLV-603P-S
NT-4PS
NT-4PS-CSA
NT-1PS-S
NT-4PS-S
NT-1PS
NT-1PS-CSA

Lutron Diva Dimmer
DVLV-103P
DVLV-603P
DVSCLV-103P
DVSCLV-603P

DVLV-103P-CSA
DVLV-603P-CSA
DVLV-103P-S
DVLV-603P-S
DVLV-103PH-S
DVLV-603PH-S
DVSCLV-103P-L
DVSCLV-603P-L
DVLV-603V
DVLV-600P
DVLV-600P
DVLV-10P
DVSCLV-10P
DVSCLV-600P
DVLV-10P-CSA
SC-1PSNL
DVLV-10P-S
DVLV-10PH-S
DVSCLV-10P-L
SC-3PS
SC-3PS
SC-4PS
SC-4PS
SC-1PS

SC-1PS
SC-3PSNL
SC-4PSNL
SC-1PSNL

Lutron Ceana Dimmer
CNLV-603P
CNLV-600P

Lutron Glyder Dimmer
GLV-600
GLV-600-CSA

Lutron Skylark Dimmer
CNLV-603P
CNLV-600P
GLV-600
GLV-600-CSA
S-600P
SLV-603P
SLV-603P-CSA
SLV-603PH-CSA
SLV-600P
SLV-600P-CSA
SLV-600PH-CSA

LEVITON DIMMERS

Incandescent ol Dimmer
OC5504
1C3O05

Leviton Illumatech Dimmer
IPM06-1LZ
IPM06-1LX
IPM10-1LZ

Leviton Mural Dimmer
MDM06-1LI
MDM06-1LW
MDM06-1LA
MDM10-1LI
MDM10-1LW
MDM10-1LA

Leviton Vizia Dimmer
VPM06-1LZ TGM10-1LI

Leviton ToggleTouch Dimmer
TGM10-1LI
TGM10-1LA
TGM10-1LT

Leviton SureSlide Dimmer
6613-PLT
6613-PLI
6613-PLW
6613-PLA

LEGRAND DIMMERS

Pass and Seymour
HLV1103PW
CDLV1103-PW
HLV703PTC
WSLV703PW
H703PTUTC
CDLV703-PW
H703P
LSLV600-PW
LSLV600-W

LED Britestrip

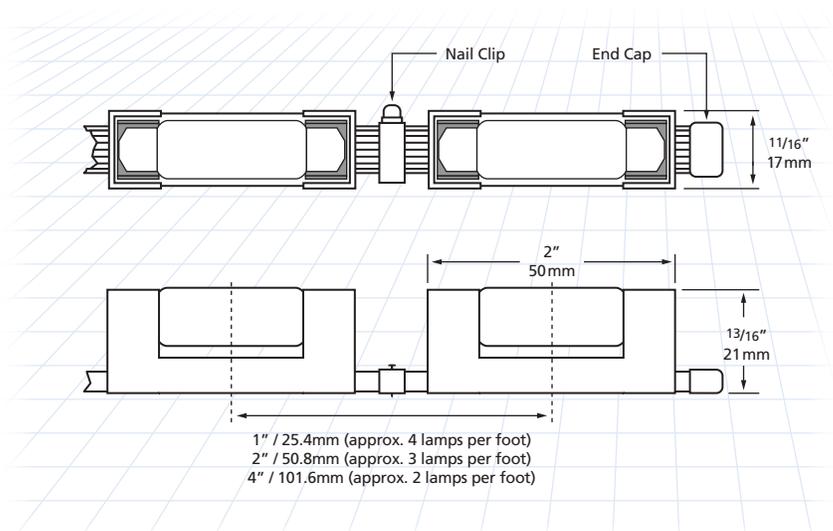NSL's popular Britestrip provides
the ultimate in linear lighting systems.

c(ETL)us LISTED

DIMMABLE!

With a bend radius of 2 1/4" / 5.75 cm (inside or outside), LED Britestrip can evenly illuminate the tightest of curved surfaces. Even 90 degree corners are simple to do. LED Britestrip mounts easily with 3M® double sided tape (pre-fixed to the back of each socket) or with simple to use nail clips for added security. The lamp holders are stamped with a "+" and "-" to indicate polarity of the LED modules.
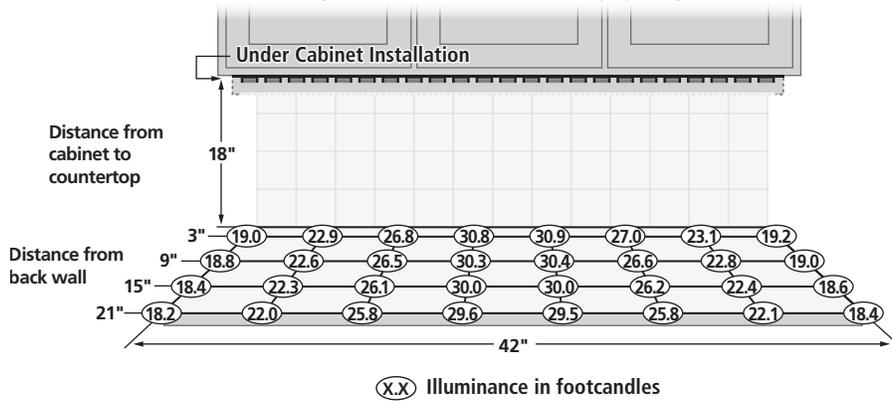
Features

✔ 0.52W, 24V LED modules for up to 85% energy savings

✔ 2, 3 or 4 lamps per foot models

✔ Snap in lamp holders for easy lamp replacement

✔ MR-11 lamp adaptors for hi-lighting items in showcases

✔ Maximum single run of 170 LED festoon modules (90 Watts)

✔ Mounts with 3M double sided tape or mounting clips

✔ Parallel wiring means loss of one bulb does not affect others

✔ Field cuttable

✔ 50,000 hour average lamp life

✔ 2 year limited warranty

✔ Fully dimmable with dimmable power supply (sold separately)

Nail Clip   End Cap

11/16" 17mm

2" 50mm

13/16" 21mm

1" / 25.4mm (approx. 4 lamps per foot)
2" / 50.8mm (approx. 3 lamps per foot)
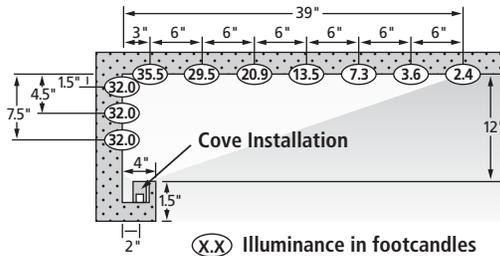4" / 101.6mm (approx. 2 lamps per foot)

Applications

• Under cabinets
• Above cabinets
• Showcase lighting
• Cove lighting

• Indirect lighting
• Sign back lighting
• Shelf lighting
• Decorative accents

LED Britestrip

Countertop Photometrics Data
(with 0.52 watt LED bulbs, 4 lamps per ft.)

Under Cabinet Installation

Distance from cabinet to countertop — 18"

Distance from back wall

3"	(19.0)	(22.9)	(26.8)	(30.8)	(30.9)	(27.0)	(23.1)	(19.2)
9"	(18.8)	(22.6)	(26.5)	(30.3)	(30.4)	(26.6)	(22.8)	(19.0)
15"	(18.4)	(22.3)	(26.1)	(30.0)	(30.0)	(26.2)	(22.4)	(18.6)
21"	(18.2)	(22.0)	(25.8)	(29.6)	(29.5)	(25.8)	(22.1)	(18.4)

— 42" —

(X.X) Illuminance in footcandles

Cove Photometrics Data
(with .52 watt LED bulbs, 4 lamps per ft.)

39"
3" 6" 6" 6" 6" 6" 6"

1.5"
4.5"
7.5"

(35.5)	(29.5)	(20.9)	(13.5)	(7.3)	(3.6)	(2.4)

32.0
32.0
32.0

Cove Installation

4"
1.5"
2"
12"

NOTE: Orientation of LED lamps in both cove and under cabinet applications will affect light levels on the surface they are aimed at.

(X.X) Illuminance in footcandles

Dimmable Drivers
See page 57 - 58 for driver selection guide and details of use. See page 26 for list of compatible dimming systems.

TRE24L40DC
Max 76 LED BS lamps, Min 16
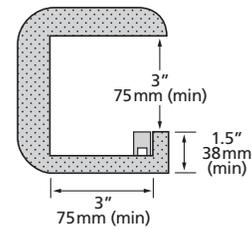6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

TRE24L96DC
Max 180 LED BS lamps, Min 16
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

Non Dimmable Drivers
MLDR-120-24
Max. 110 LED Britestrip lamps
Single secondary tap, max. 185 total
120W hardwire
Input: 100 - 240V AC
Output: 24V DC
10" x 3 3/8" x 3 3/16"
(254 x 85.7 x 80.9mm)

Cove Typical Installation Detail

3"
75mm (min)

1.5"
38mm
(min)

3"
75mm (min)

- Dimensions shown are minimum to achieve even surface illumination using 4" spacing.
- If using 2" spacing, minimum dimensions should be 2" (50mm).
- Cove can curve vertically or horizontally as Britestrip is flexible in both directions.

Accessories

BL-001/WH - White
BL-001/BK - Black
Assembly Kit (required to ship with every cut). Includes junction box, terminal block and end cap.
2.2"L x 1.8"W x 1"H (55.9 x 45.7 x 25.4mm)

BL-003/WH - White
BL-003/BK - Black
End caps

LW-12G/WH - White
LW-12G/BK - Black
Lead Wire

Mounting Options

Double Sided Tape on every socket

Nail Clips
BL-005/WH - White
BL-005/BK - Black

Brite Strip Reflector
BLF-4-BA, BLF-4-PB, BLF-4-GW, BLF-4-GB
Sold in 4' lengths only. Custom cutting for pieces less than 4' available.

Brite Strip Fascia
BLFAS-4-BA, BLFAS-4-GW
Sold in 4' lengths only. Custom cutting for pieces less than 4' available.

Cove Reflector
BLCOVE-4-GW
Sold in 4' lengths only. Custom cutting for pieces less than 4' available.
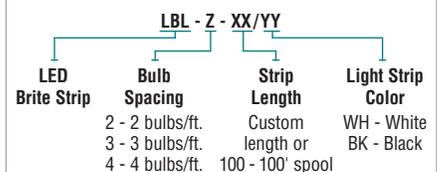
Lamps
Higher lumen output, lower wattage

Festoon Lamps – LED
Average Lamp Life: 50,000 hours
Maximum Single Run: 158 LED festoon modules (82 Watts)
LBL-24-.5CW, 24V, 0.52W, dimmable, 5000–5300K, 36 lumens output
**LBL-24-.5WW**, 24V, 0.52W, 2300–2600K, 32 lumens output

Product Codes

LBL - Z - XX/YY

LED Brite Strip	Bulb Spacing	Strip Length	Light Strip Color
	2 - 2 bulbs/ft.	Custom length or	WH - White
	3 - 3 bulbs/ft.		BK - Black
	4 - 4 bulbs/ft.	100 - 100' spool	

Thin-line LED Down Lights

Designed for retrofit and new construction, damp and wet locations, Thin Line Downlights are a versatile and affordable choice for countless applications.

ENERGY STAR
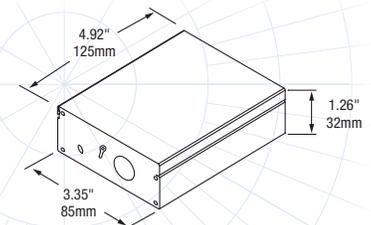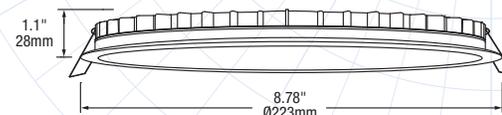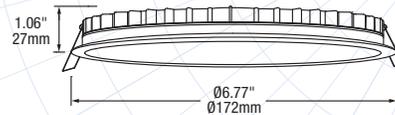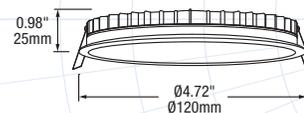
ETL LISTED c US
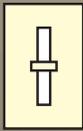
DIMMABLE!

Now up to 105 Lumens per watt!

Thin-line LED Down Lights are a breakthrough in LED downlight technology. Clever placement of 2835 LEDs around our glass diffusing lens provide brilliant and efficient LED lighting from a fixture that is only 26mm thick. Thin-line LED Down Lights are designed for retrofit and new construction installations and are very simple to install. They are ideal for shallow ceiling plenums since no IC can or box is required above the fixture.

Features

✔ Energy efficient – up to 80% energy savings
✔ Convenient remote driver option
✔ Ultra thin design
✔ Warm White and Natural White color temperatures
✔ Available in 5 sizes
✔ All models available for shower or outdoor wet location listing. (specify when ordering)
✔ Retrofit or new construction
✔ No IC can required above the fixture
✔ Connects directly to 120V power supply
✔ Easy to install
✔ 50,000 hour life
✔ 5 year limited warranty
✔ Airtight

High Power Thin-line LED Down Light – 4, 6 and 8 inch

0.98" 25mm
Ø4.72" Ø120mm

1.06" 27mm
Ø6.77" Ø172mm

1.1" 28mm
8.78" Ø223mm

4.92" 125mm
1.26" 32mm
3.35" 85mm

Remote Driver

Residential Applications

- Kitchens
- Pantries
- Laundry rooms
- Bathrooms
- In showers
- Under soffits (outdoor)

Commercial Applications

- Lobbies
- Hallways
- Banquet halls
- Elevators
- Stairways
- Retail
- Restaurants

- Office lighting
- Under cabinet
- In cabinet
- Wall mount for egress lighting
- Under soffits (outdoor)
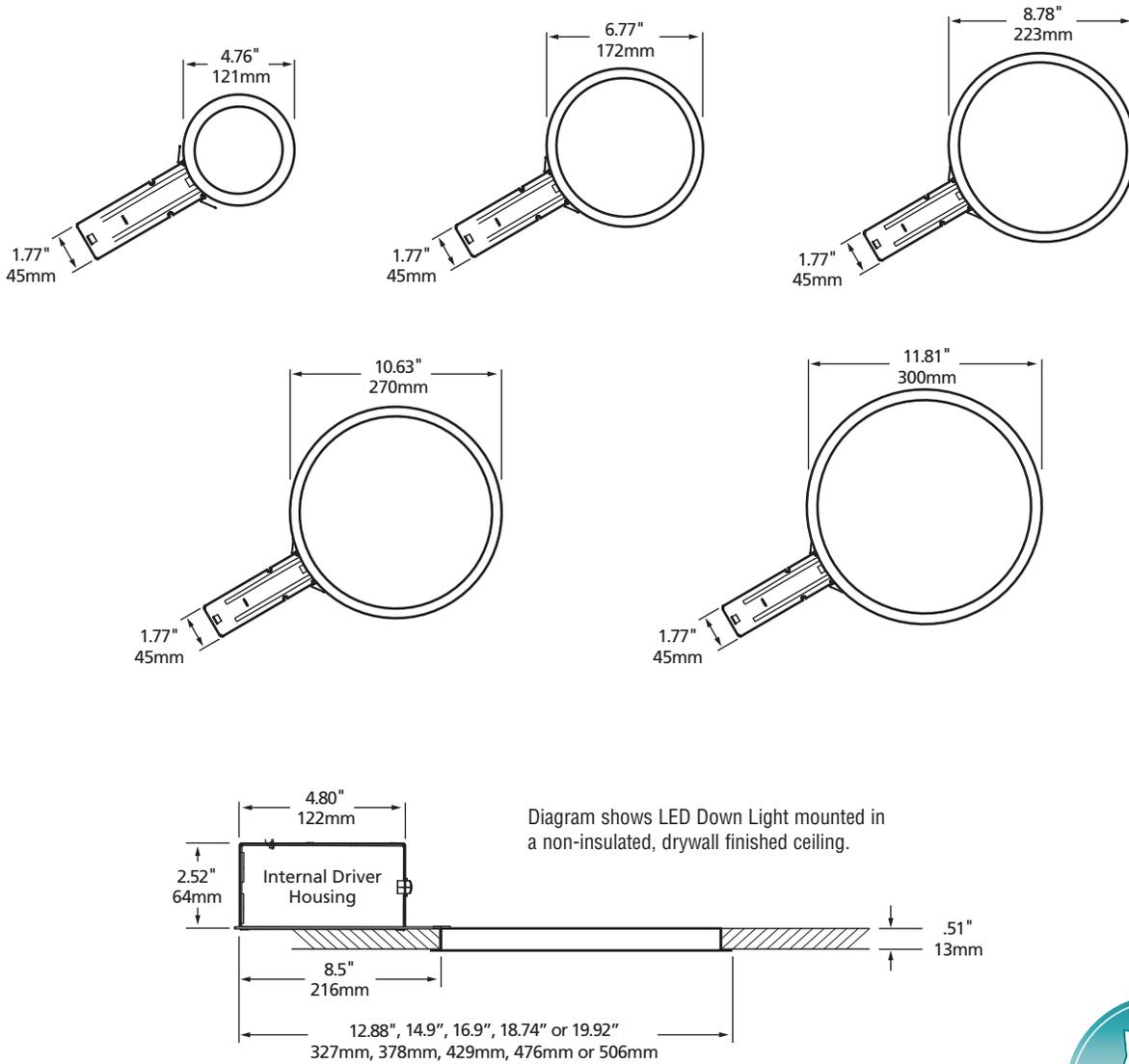
Specifications

	4 inch Thin-line LED Down Light	6 inch Thin-line LED Down Light	8 inch Thin-line LED Down Light	10 inch Thin-line LED Down Light	12 inch Thin-line LED Down Light
Product Codes Damp Location Wet Location High Power Remote Driver Wet Location Remote	LVLDL-04-XX†-YY* LVLDL-W-04-XX†-YY* LVLDL-HP-04-XX†-YY-R†† LVLDL-04-XX†-YY*-R LVLDL-W-04-XX†-YY*-R	LVLDL-06-XX†-YY* LVLDL-W-06-XX†-YY* LVLDL-HP-06-XX†-YY-R†† LVLDL-06-XX†-YY*-R LVLDL-W-06-XX†-YY*-R	LVLDL-08-XX†-YY* LVLDL-W-08-XX†-YY* LVLDL-HP-08-XX†-YY-R†† LVLDL-08-XX†-YY*-R LVLDL-W-08-XX†-YY*-R	LVLDL-10-XX†-YY* LVLDL-W-10-XX†-YY* – LVLDL-10-XX†-YY*-R LVLDL-W-10-XX†-YY*-R	– – – LVLDL-12-XX†-YY*-R LVLDL-W-12-XX†-YY*-R
LED Color	White				
Color Temperature CTT	2900K – 3200K, 4000K – 4500K				
Input Voltage	AC100 – 120V				
Power Consumption (W)	9, 11 (High Power)	12, 15 (High Power)	15, 25 (High Power)	19	24
No. SMD2835 LEDs	40, 72 (High Power)	50, 120 (High Power)	60, 192 (High Power)	80	120
Lumens Warm White (WW) Natural White (NW)	530, 1068 (High Power) 550, 1072 (High Power)	700, 1425 (High Power) 730, 1483 (High Power)	1032, 2575 (High Power) 1059, 2648 (High Power)	1181 1201	1625 1650
Luminous Efficacy (LPW) Warm White (WW) Natural White (NW)	59, 97 (High Power) 61, 97 (High Power)	58, 95 (High Power) 61, 99 (High Power)	69, 103 (High Power) 71, 106 (High Power)	62 63	68 69
Color Rendering Index	>80				
Dimmable	YES				
Life Span (hours)	50,000 hrs				
Appearance Size	4.75" W x 0.51" D (121mm W x 13mm D)	6.77" W x 0.51" D (172mm W x 13mm D)	8.78" W x 0.51" D (223mm W x 13mm D)	10.63" W x 0.51" D (270mm W x 13mm D)	11.81" W x 0.51" D (300mm W x 13mm D)
Appearance Size (High Power)	4.76" W x 1.0" D (120mm W x 25mm D)	6.77" W x 1.0" D (172mm W x 27mm D)	8.27" W x 1.1" D (210mm W x 28mm D)	—	—
Installation Hole Size	4.25" (108mm)	6.3" (160mm)	8.27" (210mm)	10.43" (265mm)	11.34" (288mm)
Installation Hole Size (High Power)	4.25" (108mm)	6.3" (160mm)	8.27" (210mm)	—	—

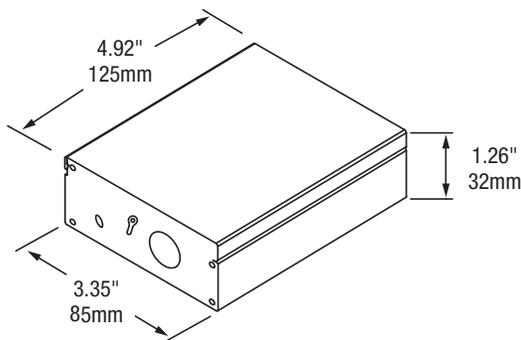† XX = LED color: WW = Warm White (2900 – 3200K), NW = Natural White (4000 – 4500K)
* YY = Trim color: WH = White, AL = Aluminum, BN = Brushed Nickel. NOTE: White is stock, Aluminum and Brushed Nickel are special order.
†† HP, High Power, only come in remote driver version.

NSL

Retrofit

4.76"
121mm

1.77"
45mm

6.77"
172mm

1.77"
45mm

8.78"
223mm

1.77"
45mm

10.63"
270mm

1.77"
45mm

11.81"
300mm

1.77"
45mm

4.80"
122mm

2.52"
64mm

Internal Driver
Housing

Diagram shows LED Down Light mounted in
a non-insulated, drywall finished ceiling.

.51"
13mm

8.5"
216mm

12.88", 14.9", 16.9", 18.74" or 19.92"
327mm, 378mm, 429mm, 476mm or 506mm

Your Choice!

Remote Driver

4.92"
125mm

1.26"
32mm

3.35"
85mm

**Choose the Thin-line LED Down Light
fixture that best suits your needs.**

**Thin-line LED Down Lights are
available as a retrofit model with
integrated driver or you can choose
to use a remote driver.**

NSL

Accessories
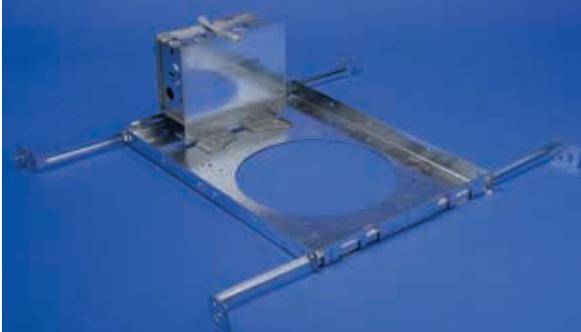
Base Plate/Hanger Bar (with driver)
Assembly for new construction

4" fixture:	LVLDL-04-NCH	LVLDL-HP-04-NCH
6" fixture:	LVLDL-06-NCH	LVLDL-HP-06-NCH
8" fixture:	LVLDL-08-NCH	LVLDL-HP-08-NCH
10" fixture:	LVLDL-10-NCH	

10' Extension Cord for Remote Driver: LVLDL-EX-10-CM
30' Extension Cord for Remote Driver: LVLDL-EX-30-CM

OPTIONAL
Thin-line LED Down Lights are **IC rated**

IC Housing for Insulated Ceilings

4" fixture:	LVLDL-04-HOU	LVLDL-HP-04-HOU
6" fixture:	LVLDL-06-HOU	LVLDL-HP-06-HOU
8" fixture:	LVLDL-08-HOU	LVLDL-HP-08-HOU

Retrofit Model – Remote Driver also available

LED Driver
Input: AC120V/60Hz
Output:280mA/28-42V DC
Watts: 11W

OPEN THIS SIDE

Remote Driver

Dimmable to 5% with most Triac dimmers.
See website for complete list of drawings, photometrics and dimmers.

LV-DL Series

NSL

The LV-DL Series Down Lights are easy to install and can replace traditional MR16 and PAR ceiling fixtures widely used indoors, in residential homes and commercial applications such as retail, hotel and museums.

ENERGY STAR

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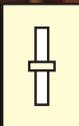
DIMMABLE!

Introducing the new LED Low Voltage Down Light (LV-DL series). The LV-DL series utilizes high brightness Epistar COB (Chip on board) LEDs offering great thermal performance, low power consumption (8.2W with the LV-DL8 series, 12W with the LV-DL13 series) and a long lifespan of 50,000 hrs. The LV-DL8 series has 5 different trim designs to choose from while the LV-DL13 offers a small 110mm (4") adjustable gimbal. Both LV-DL down lights feature a custom designed heat sink to disperse heat and are powered by a constant current power supply that is dimmable with most trailing edge electronic dimming systems.

Features

✔ Energy efficient – up to 80% energy savings
✔ High Brightness COB LED's
✔ Low power consumption
✔ Warm White and Neutral White color temperatures
✔ Available in two standard beam angles
✔ New Construction, IC and remote installations
✔ ETL listed for direct contact with insulation and combustible materials (LV-DL13)
✔ Self resetting thermal protector
✔ Easy to install, modular design
✔ 50,000 hour life
✔ 5 year limited warranty
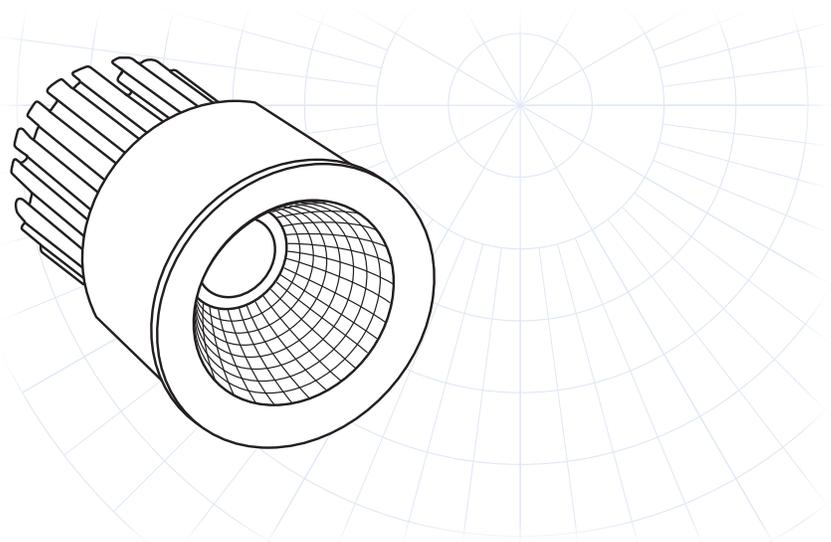
Residential Applications
• Kitchens
• Pantries
• Laundry rooms
• Bathrooms

Commercial Applications
• Lobbies
• Hallways
• Elevators
• Stairways
• Retail
• Restaurants
• Office lighting

LV-DL Series

LV-DL8 series specifications

Product Code	Power (W)	Size (mm)	Color Temperature WW/NW	Lumen (lm)	Beam Angle (°)	Input Current (A)	Input Voltage (V DC)
LV-DL8-XX-WW	8.2	φ2" x 3 5/32" (φ50 x 80mm)	3000–3500K	618	25/45	.28	29
LV-DL8-XX-NW			4000–4500K	625			

XX - Specify 25 or 45° Beam angle, YY – WW or NW when ordering i.e. LV-DL8-45-WW(module)
HOUSINGS: New Construction: LV-DL8-NC-A, IC : LV-DL8-IC-A, Remote LV-DL8-R
Order as 3 separate components for complete fixture I.E. LV-DL8-NC-B housing, LV-DL8-45-WW module, LV-DL8-B5-WH Trim

LV-DL13 series specifications

Product Code	Power (W)	Size (mm)	Color Temperature WW/NW	Lumen (lm)	Beam Angle (°)	Input Current (A)	Input Voltage (V DC)
LV-DL13XX-WW-YY	12	φ2 3/4" x 4" (φ70 x 102mm) Cut out φ3 9/16" (90mm)	3000–3500K	1080	30/60	.28	42
LV-DL13XX-NW-YY			4000–4500K	1240			

XX - Specify 30 or 60° Beam angle, YY – AL = Aluminum trim, WH = White trim. Specify WW or NW when ordering i.e. LV-DL13-30-WW-WH (module)
HOUSINGS: New Construction: LV-DL13-NC-C, IC: LV-DL13-IC
Order as 2 separate components for complete fixture LV-DL13-NC housing, LV-DL13-60-WW-WH module/trim

LV-DL8 Trim Options

A Series	Description
LV-DL8-A1-AL	Regressed baffle trim, Aluminum, A Series φ3 5/32" (80mm)
LV-DL8-A1-BK††	Regressed baffle trim, Black, A Series φ3 5/32" (80mm)
LV-DL8-A1-WH	Regressed baffle trim, White, A Series φ3 5/32" (80mm)
LV-DL8-A2-AL	Regressed single gimbal trim, Aluminum, A Series φ3 5/16" (88mm)
LV-DL8-A2-BK††	Regressed single gimbal trim, Black, A Series φ3 5/16" (88mm)
LV-DL8-A2-WH	Regressed single gimbal trim, White, A Series φ3 5/16" (88mm)
B Series	
LV-DL8-B5-AL	Double gimbal flush trim, Aluminum, B Series φ4 1/16" (103mm)
LV-DL8-B5-WH	Double gimbal flush trim, White, B Series φ4 1/16" (103mm)
C Series	
LV-DL8-C3-AL	Deep regressed baffle trim, Aluminum, C Series φ4 11/94" (109mm)
LV-DL8-C3-WH	Deep regressed baffle trim, White, C Series φ4 11/94" (109mm)
LV-DL8-C4-AL	Deep recessed square baffle trim, Aluminum, C Series φ4 11/94" (109mm)
LV-DL8-C4-WH	Deep recessed square baffle trim, White, C Series φ4 11/94" (109mm)

†† NOTE: White and aluminum are stock, black is special order.

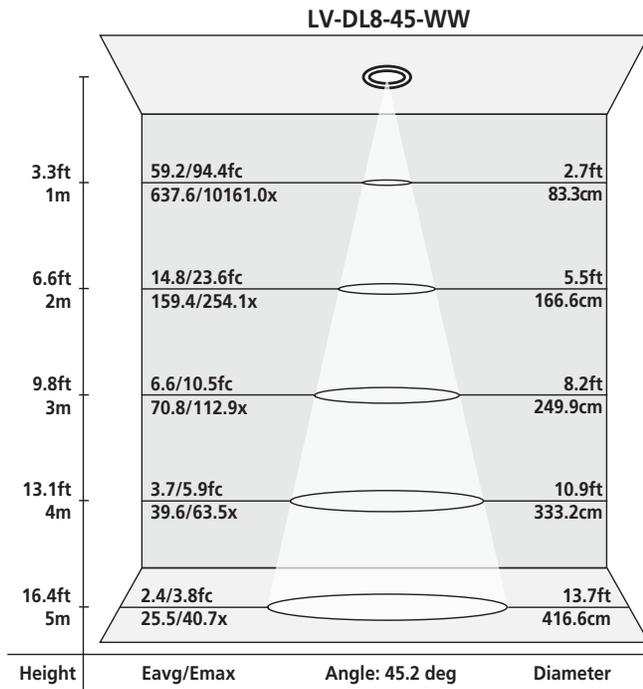LV-DL8-A1-WH   LV-DL8-A2-WH   LV-DL8-B5-WH   LV-DL8-C3-WH   LV-DL8-C4-WH

Photometrics Data

NOTE: The curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LV-DL8-45-WW

Height	Eavg/Emax		Diameter
3.3ft 1m	59.2/94.4fc 637.6/10161.0x		2.7ft 83.3cm
6.6ft 2m	14.8/23.6fc 159.4/254.1x		5.5ft 166.6cm
9.8ft 3m	6.6/10.5fc 70.8/112.9x		8.2ft 249.9cm
13.1ft 4m	3.7/5.9fc 39.6/63.5x		10.9ft 333.2cm
16.4ft 5m	2.4/3.8fc 25.5/40.7x		13.7ft 416.6cm
Height	Eavg/Emax	Angle: 45.2 deg	Diameter

Note: The curves indicate the illuminated area and the average illumination at a set distance from the LED Down Light.

LV-DL13-60-NW

Height	Eavg/Emax		Diameter
3.3ft 1m	78.9/125.3fc 849.3/13481.0x		3.2ft 96.5cm
6.6ft 2m	1.4/3.6fc 212.3/337.1x		6.3ft 193.0cm
9.8ft 3m	8.8/13.9fc 94.4/149.8x		9.5ft 289.5cm
13.1ft 4m	4.9/7.8fc 53.1/84.3x		12.7ft 386.0cm
16.4ft 5m	3.2/5.0fc 34.0/53.9x		15.8ft 482.5cm
Height	Eavg/Emax	Angle: 51.5 deg	Diameter

Note: The curves indicate the illuminated area and the average illumination at a set distance from the LED Down Light.

NSL
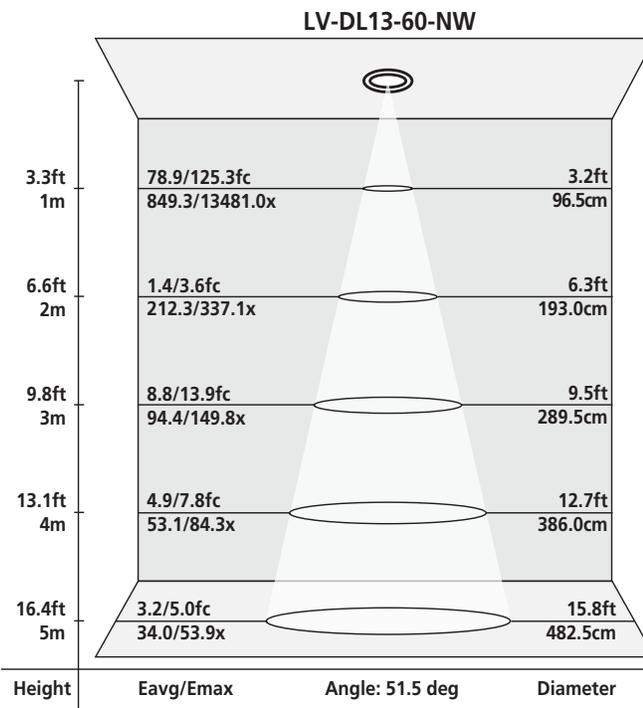
LV-DL8 Housings & Accessories

NC Housing	Description
LV-DL8-NC-A	New construction housing c/w driver, A Series φ2.69" (68mm)
LV-DL8-NC-B	New construction housing c/w driver, B Series φ3.125" (79mm)
LV-DL8-NC-C	New construction housing c/w driver, C Series φ3.75" (95mm)
IC Housings	
LV-DL8-IC-A	Insulated ceiling housing c/w driver, A Series φ2.69" (68mm)
LV-DL8-1C-B	Insulated ceiling housing c/w driver, B Series φ3.125" (79mm)
LV-DL8-IC-C	Insulated ceiling housing c/w driver, C Series φ3.75" (95mm)
Remote	
LV-DL8-R	Remote driver, 4.92" L x 3.35" W x 1.26" H (125mm x 85mm x 32mm)
Extension cords	
LV-DL-EX-10-CM	10' (304cm) Remote extension lead
LV-DL-EX-30-CM	30' (9.14 m) Remote extension lead

LV-DL13 Housings & Accessories

NC Housing	Description
LV-DL13-NC-C	New construction housing c/w driver, φ3.75" (95mm)
IC Housings (optional)	
LV-DL13-IC-C*	Insulated ceiling housing c/w driver, φ3.75" (95mm)
Remote	
LV-DL13-R	Remote driver, 4.92" L x 3.35" W x 1.26" H (125mm x 85mm x 32mm)
Extension cords	
LV-DL-EX-10-CM	10' (304cm) Remote extension lead
LV-DL-EX-30-CM	30' (9.14 m) Remote extension lead

* OPTIONAL - all fixtures are IC rated without IC housing.

Warm White Module

Neutral White Module

Approved Dimmers

Lutron - Skylark - SELV300P

Lutron - Maestro - MAELV 600

Lutron - NovaT- NTELV 300

Lutron - Diva - DVELV 300P

Leviton - Illumatech - IPE04

Leviton - Sureslide - 6615

Leviton - Vizia - VZE061LZ

Lutron - AYCL-153

Lutron - CTCL-153

Lutron - DVCL-153

Lutron - MACL-153

Product Codes

LV-DL8-25-NW
8 watt, 25° beam angle, 4000−4500K, Neutral White Module

LV-DL8-25-WW
8 watt, 25° beam angle, 3000−3500K, Warm White Module

LV-DL8-45-NW
8 watt, 45° beam angle, 4000−4500K, Neutral White Module

LV-DL8-45-WW
8 watt, 45° beam angle, 3000−3500K, Warm White Module

LV-DL13-30-NW-AL
13 watt, 30° beam angle, 4000−4500K, Neutral White, Aluminum Trim

LV-DL13-30-WW-AL
13 watt, 30° beam angle, 3000−3500K, Warm White, Aluminum Trim

LV-DL13-30-NW-WH
13 watt, 30° beam angle, 4000−4500K, Neutral White, White Trim

LV-DL13-30-WW-WH
13 watt, 30° beam angle, 3000−3500K, Warm White, White Trim

LV-DL13-60-NW-AL
13 watt, 60° beam angle, 4000−4500K, Neutral White, Aluminum Trim

LV-DL13-60-WW-AL
13 watt, 60° beam angle, 3000−3500K, Warm White, Aluminum Trim

LV-DL13-60-NW-WH
13 watt, 60° beam angle, 4000−4500K, Neutral White, White Trim

LV-DL13-60-WW-WH
3 watt, 60° beam angle, 3000−3500K, Warm White, White Trim

Surface/Recessed LED Down Light

NSL

LED Down Light is a simple yet beautiful solution for flush mount and recessed applications without requiring the use of a recessed can.

ENERGY STAR PARTNER

ETL LISTED c US

DIMMABLE!

The DL-4-9D/DL-6-15D series features a 120V AC alternating current source which eliminates the need for a traditional LED driver. In addition, the DL-4-9D/DL-6-15D is wet location listed and installs easily on standard ceiling junction box or can be retrofitted to existing recessed cans with included hardware.

Features

✔ 120V AC source, no driver needed
✔ Installs easily on standard ceiling junction box with included hardware
✔ Included mounting springs allow existing recessed cans to be retrofitted
✔ Die cast aluminum trim routes heat away from electrical components
✔ White polycarbonate diffuser eliminates hot spots creating uniform light distribution
✔ Wet location listed suitable for virtually any application
✔ Suitable for use in IC or NON-IC Applications
✔ 90+ CRI, the absolute best in the industry
✔ Dimmable to 5% with most standard dimmers
✔ Approved by ETL Standards for Canada and USA
✔ Energy Star / T24 Compliant
✔ 5 year warranty

LED Down Light – 4 inch
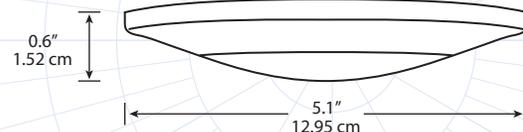
0.6″ 1.52 cm

5.1″ 12.95 cm

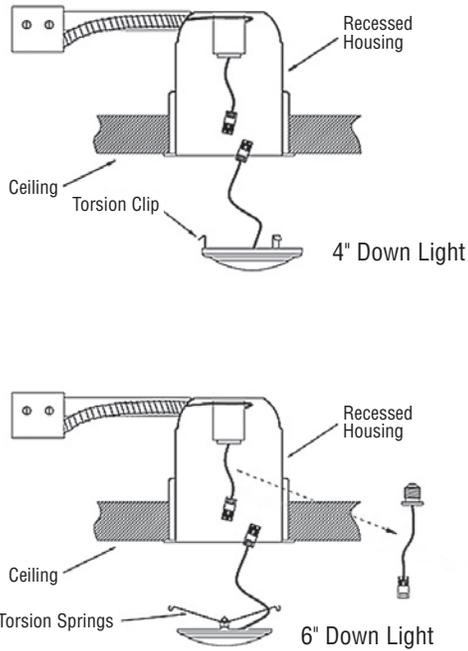### LED Down Light – 6 inch

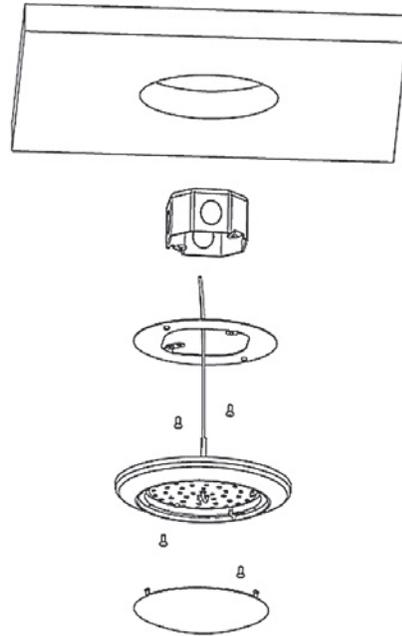.8″ 1.98 cm

7.2″ 18.29 cm
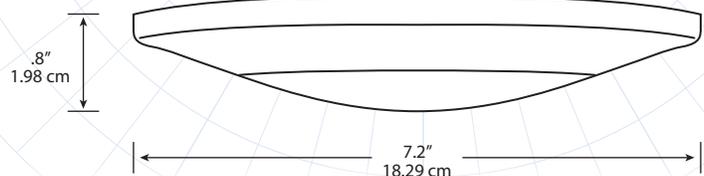
Applications

- Lobbies
- Hallways
- Banquet halls
- Elevators
- Stairways
- Retail
- Restaurants
- Residential

Surface/Recessed LED Down Light

NSL

Recessed Mounting

Recessed Housing

Ceiling

Torsion Clip

4" Down Light

Recessed Housing

Ceiling

Torsion Springs

6" Down Light

Junction Box Mounting

Specifications

	DL-4-9D-YY*-ZZ†	DL-6-15D-YY*-ZZ†
Power Consumption	9W	15W
LEDs	Epistar	
LED Life	50,000 hours	
Color Temperature CCT	2700K – 4000K	
Lumens	650	1000
Color Rendering Index	90+	
Dimmable	Yes	
Construction	Die cast aluminum, white polycarbonate lens	
Appearance Size	5.1" W x 0.6" D (12.95 cm W x 1.52 cm D)	7.2" W x 0.78" D (18.29 cm W x 1.98 cm D)

* YY = Color Temperature: 27 = 2700K, 30 = 3000K, 40 = 4000K
† Trim Finish: WH = White, RB = Rubbed Oil Bronze, SN = Satin Nickel

Trim Finish

White   **Rubbed Oil Bronze**   **Satin Nickel**

Product Codes

DL - X - XD - YY - ZZ

LED Down Light	Fixture Size	Watts	Color Temperature	Trim Color
	4 = 4" fixture	9D = 9 watts	27 = 2700K	WH = White
	6 = 6" fixture	15D = 15 watts	30 = 3000K	RB = Rubbed Oil Bronze
			40 = 4000K	SN = Satin Nickel
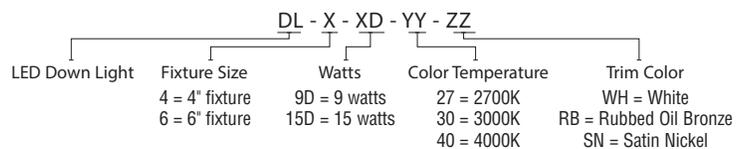
LED Switch Star

Suitable for indoor or outdoor use, LED Switch Star is
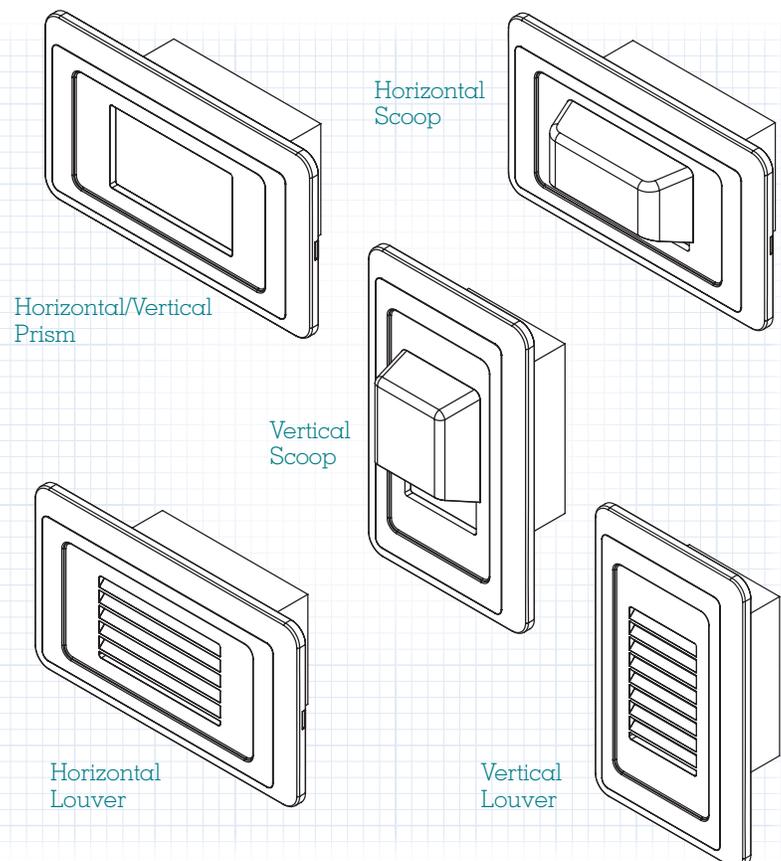the perfect fixture for security or egress lighting.
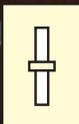
DIMMABLE!

LED Switch Star mounts to most standard 2"x4" electrical boxes and can be used both indoors and outdoors. Solid polycarbonate construction (5VA flame rated) means the fixture will never corrode in harsh environments. There are no remote drivers to deal with – LED Switch Star connects directly to 120V and is extremely easy to install. Decorative covers available include Louver, scoop or prism in both horizontal as well as vertical mount options. Low power consumption of only 1.4 watts and the efficacy of 57 lumens per watt make this a perfect fixture for safety, security or egress lighting applications.
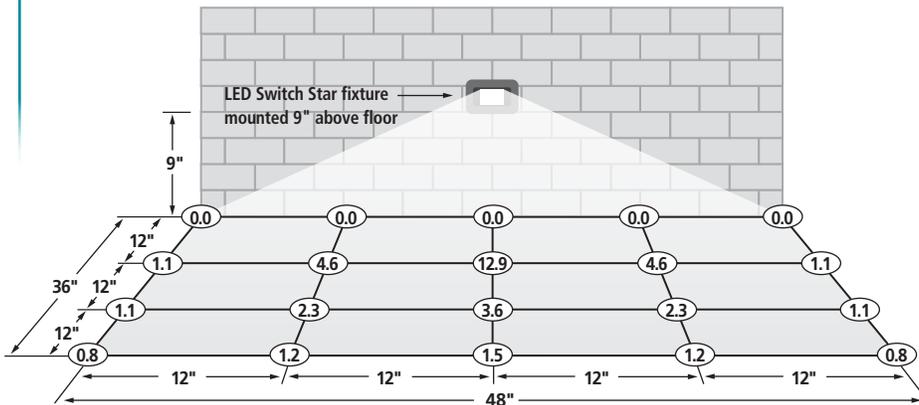
Features

✔ Low power consumption (1.4 watts)
✔ Easy installation – mounts to standard 2" x 4" electrical box
✔ Indoor or outdoor applications
✔ 3 colors to choose from
✔ Dimmable
✔ 40,000 hour life
✔ ETL listed
✔ 3 year warranty

Applications

- Hallways
- Stairways
- Night Light
- Decks and Patios
- Parking garages
- Elevators
- Exterior commercial or residential

Horizontal/Vertical Prism

Horizontal Scoop

Vertical Scoop

Horizontal Louver

Vertical Louver

LED Switch Star

LED Switch Star fixture mounted 9" above floor

9"

| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

12"
| 1.1 | 4.6 | 12.9 | 4.6 | 1.1 |

36" 12"
| 1.1 | 2.3 | 3.6 | 2.3 | 1.1 |

12"
| 0.8 | 1.2 | 1.5 | 1.2 | 0.8 |

12" | 12" | 12" | 12"

48"

(X.X) Illuminance in Lux

Specifications

Input Voltage:	120V AC
Power Consumption	1.4W, .012A
Color Temperature	2700K
Color Rendering Index	80
LED Luminous Flux/Efficacy	80 Lumens, 57 LPW
Beam Pattern	120°
LED Type	AC LED
LED Life	40,000 hours to 70% Lumen output
Operating Temperature	-30°C - +60°C
Construction	Polycarbonate (5VA flame rated, F1 UV rated) & Glass

Cover Types and Colors

Prism Cover

Vertical Scoop Cover

Horizontal Scoop Cover

Vertical Louver Cover

Horizontal Louver Cover

NOTE: Both horizontal and vertical cover plates are supplied for both Scoop and Louver with each fixture
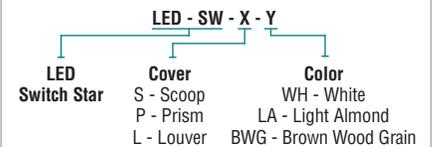
White

Light Almond

Brown Wood Grain

Prism

34.60
77
59.20
129

Vertical Scoop

34.60
77

Vertical Louver

59.20
129

Horizontal Louver

34.60
77
59.20
129

Prism & Louver Side and Top

46.60

71.20
30
38

Horizontal Scoop

77
59.20
129

Scoop Side and Top

46.60
30
38

71.20
30
38
15.80

Product Codes

LED - SW - X - Y

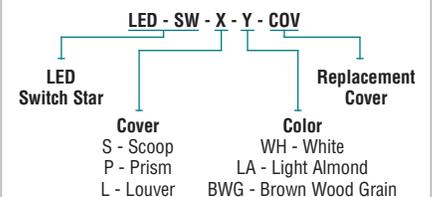| LED Switch Star	Cover	Color
	S - Scoop	WH - White
	P - Prism	LA - Light Almond
	L - Louver	BWG - Brown Wood Grain
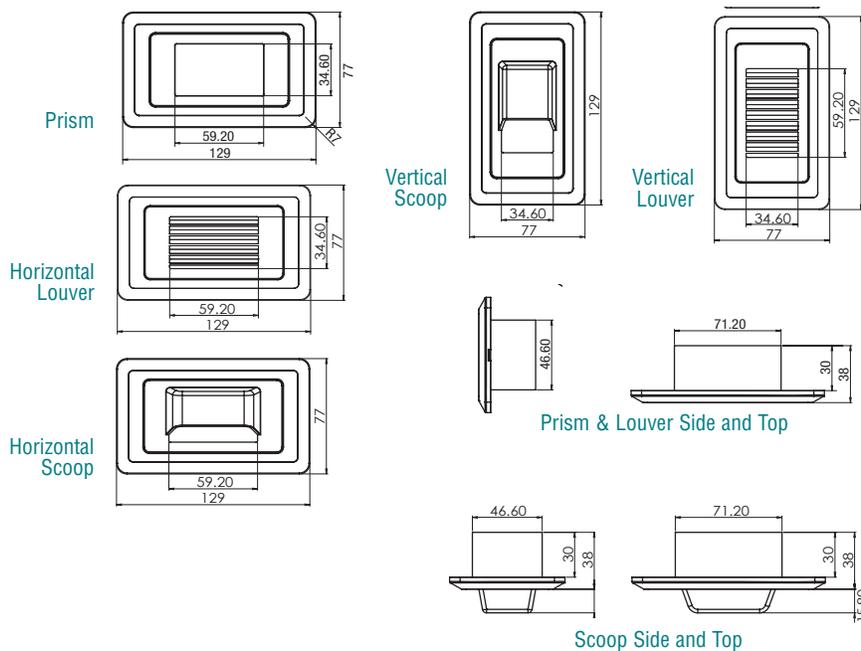
NOTE: Scoop and Louver covers are supplied in both horizontal and vertical.
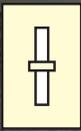
Fixture Base Only
LED - SW - MOD

Replacement Cover for Switch Star
LED - SW - X - Y - COV

LED Switch Star		Replacement Cover
Cover		**Color**
S - Scoop		WH - White
P - Prism		LA - Light Almond
L - Louver		BWG - Brown Wood Grain

LED Step Star

LED Step Star provides a safe, attractive and affordable way to light stairs, hallways and aisleways.
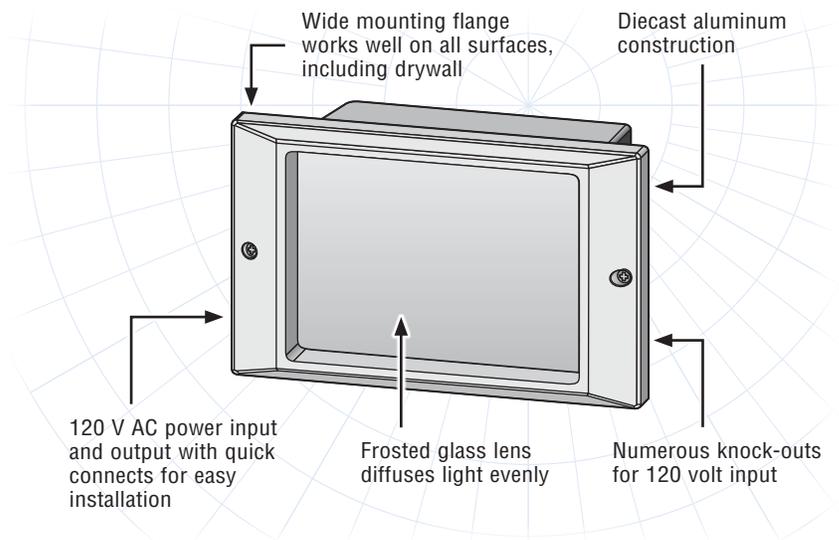
c(UL)us Listed

DIMMABLE!

LED Step Star provides a highly effective and energy efficient recessed fixture suitable for indoor and outdoor use. With power consumption of just 5.2 watts LED Step Light delivers solid performance at an affordable price. Replaceable 120V DC LED Module included. Dimmable. 120V AC input and output of fixture up to 150 fixtures per 15A tap. The warm white (3100° Kelvin) color temperature provides natural looking light. LED Step Lights are made of cast aluminum for strength and corrosion protection and are suitable for concrete pour installations. Each fixture has an available "concrete cap" to make concrete pour installations a breeze.

Features

✔ Low power consumption – just 5.2 watts
✔ 120V AC power input and output with quick connects for easy installation
✔ Long Life – 40,000 hours
✔ Warm color temperature 3100K +/-200K
✔ cUL listed for wet and IC locations
✔ Suitable for concrete pour installations
✔ Die cast aluminum construction
✔ Replaceable 120V DC LED module
✔ Dimmable with most trailing edge electronic dimming systems
✔ 2 year limited warranty

Wide mounting flange works well on all surfaces, including drywall

Diecast aluminum construction

120 V AC power input and output with quick connects for easy installation

Frosted glass lens diffuses light evenly
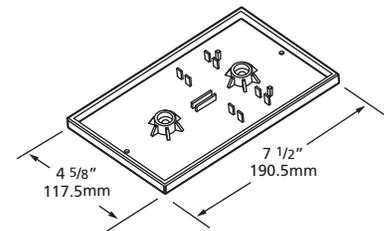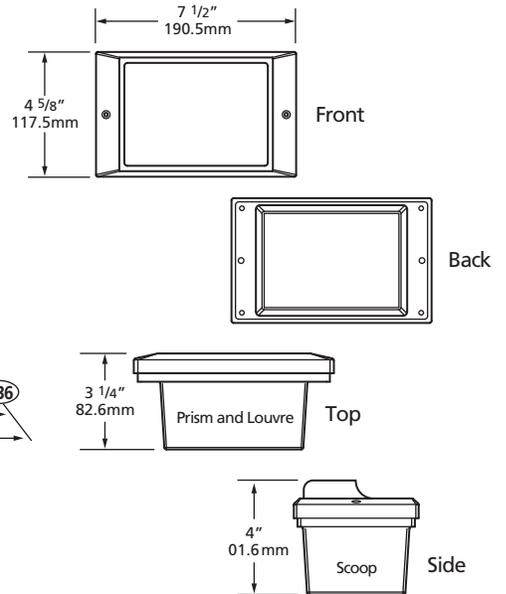
Numerous knock-outs for 120 volt input

Applications

- Interior stairs
- Exterior stairs
- Aisles
- Hallways
- Paths
- Emergency lighting
- Theaters
- Public areas
- Patios
- Decks

Anywhere that requires security or safety lighting in an aesthetically pleasing manner!

LED Step Star

NSL

Floor Photometrics Data

LED Step Star fixture mounted 9" above floor

X.X Illuminance in footcandles

Front

Back

Prism and Louvre — Top

3 1/4"
82.6mm

4"
01.6mm

Scoop — Side

7 1/2"
190.5mm

4 5/8"
117.5mm

Concrete cap for concrete pour installations
Product Code: SL-CC

IMPORTANT: It is recommended that you use Magic Lite's Concrete Cap for concrete pour installations. These caps assist in providing a proper reveal for flush mount of fixture cover after concrete is dry.

Specifications

Input Voltage	120V AC
Power Consumption	5.2 Watts
Lumens	73.5
Average LED Life	40,000 hours
LED Colors	Warm White (3100K +/-200)
CRI	>80
Cover Finish	Powder Coated White, Bronze, Brushed Aluminum, Black
Can Finish	Powder Coated White
Construction	Cover and can cast aluminum
Lens	Frosted Tempered Glass
Wiring Options	120V AC hardwire – can be daisy chained up to 150 fixtures per 15A circuit
Agency Approval	cUL listed for wall, ceiling, wet and IC locations.

Dimensions (L x W x H)

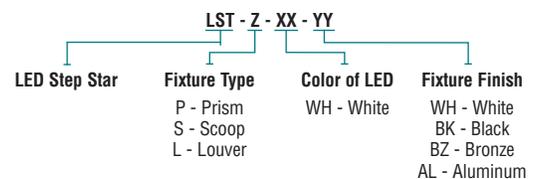| Cover Type		Cover
Scoop	Cover	7 1/2" x 4 5/8" x 1 1/2" (190.5mm x 117.5mm x 38.1mm)
	Can	5 1/2" x 4" x 2 1/2" (139.7mm x 101.5mm x 63.5mm)
Prism	Cover	7 1/2" x 4 5/8" x 3/4" (190.5mm x 117.5mm x 19.1mm)
	Can	5 1/2" x 4" x 2 1/2" (139.7mm x 101.5mm x 63.5mm)
Louver	Cover	7 1/2" x 4 5/8" x 3/4" (190.5mm x 117.5mm x 19.1mm)
	Can	5 1/2" x 4" x 2 1/2" (139.7mm x 101.5mm x 63.5mm)

Cover Types and Finish

Scoop Cover

Prism Cover

Louver Cover

White   Black   Bronze   Brushed Aluminum

Accessories

Replaceable LED Module
LEDMOD-32-F

Product Codes

LST - Z - XX - YY

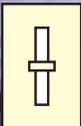| LED Step Star	Fixture Type	Color of LED	Fixture Finish
	P - Prism	WH - White	WH - White
	S - Scoop		BK - Black
	L - Louver		BZ - Bronze
			AL - Aluminum

LED Brick Star

LED Brick Star provides a safe, attractive and affordable way to light stairs, aisles, paths and entrance ways.
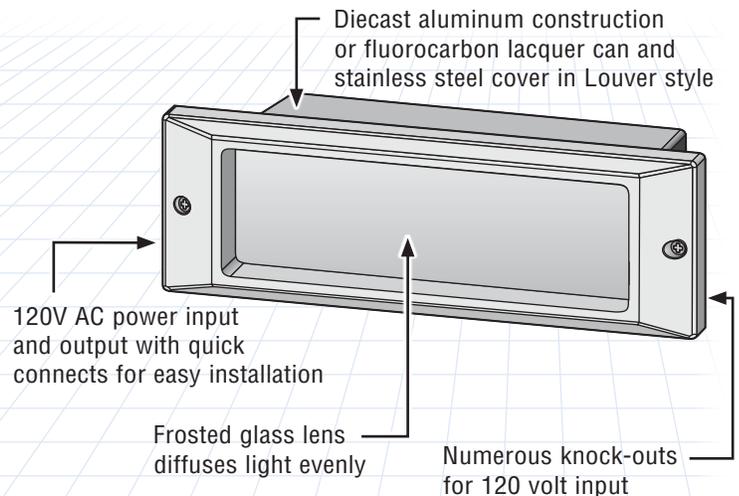

DIMMABLE!

LED Brick Star provides a safe, attractive and affordable way to light stairs, aisles, paths and entrance ways. With power consumption of just 5.2 watts 72% energy savings vs. Xenon/Halogen technologies. Dimmable. 120V AC input and output of fixture up to 150 fixtures per 15A tap. Replaceable 120V DC LED Module included. cUL/us listed wet location for all interior and exterior wall, ceiling and concrete pour installations. LED Brick Light delivers excellent performance at an affordable price. The LED Brick Light has been uniquely designed to the specific size of a standard brick. This provides the perfect solution for those applications where a more linear fixture is required.
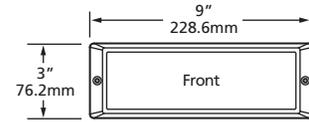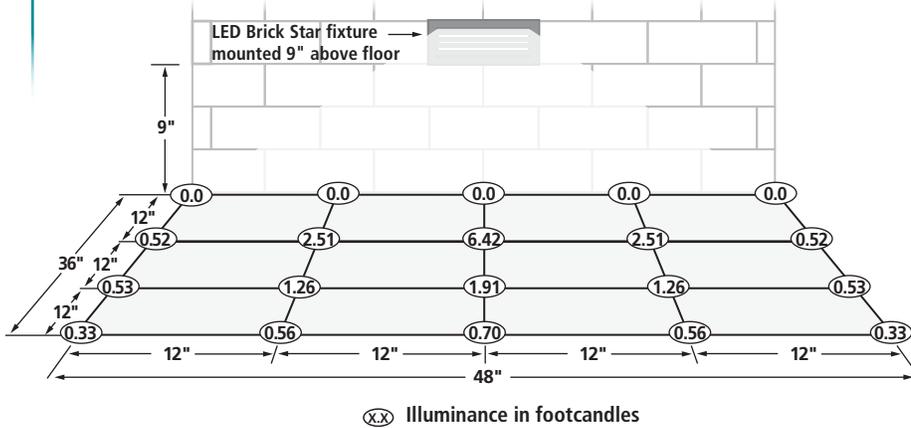
Features

- ✔ Louver style now available in Stainless Steel
- ✔ Low power consumption – just 5.2 watts
- ✔ 120V AC power input and output with quick connects for easy installation
- ✔ Long life – 40,000 hours
- ✔ Warm color temperature 3000° K
- ✔ cUL listed for wet and IC locations
- ✔ Available concrete cap for easy concrete pour installations
- ✔ Die cast aluminum construction
- ✔ Available in fluorocarbon lacquer can and stainless steel Louver cover for harsh locations
- ✔ Dimmable with most training edge dimming systems
- ✔ Up to 150 fixtures can be daisy chained on one 15 amp circuit
- ✔ 2 year limited warranty, 3 years on stainless steel

Diecast aluminum construction or fluorocarbon lacquer can and stainless steel cover in Louver style

120V AC power input and output with quick connects for easy installation

Frosted glass lens diffuses light evenly

Numerous knock-outs for 120 volt input

Applications

- • Interior stairs
- • Exterior stairs
- • Aisles
- • Hallways
- • Paths
- • Emergency lighting
- • Theaters
- • Public areas
- • Patios
- • Decks

Anywhere that requires security or safety lighting in an aesthetically pleasing manner!

LED Brick Star

Floor Photometrics Data

LED Brick Star fixture mounted 9" above floor

9"

0.0	0.0	0.0	0.0	0.0
0.52	2.51	6.42	2.51	0.52
0.53	1.26	1.91	1.26	0.53
0.33	0.56	0.70	0.56	0.33

12" 36" 12" 12"

12" 12" 12" 12"
48"

ⓧ.ₓ Illuminance in footcandles

9"
228.6mm
Front
3"
76.2mm

Back

3 31/32"
100.3mm   Prism and Louvre   Top

4 23/32"
119.4mm   Scoop   Side

3"
76.2mm
9"
228.6mm

Concrete cap for
concrete pour installations
Product Code: BL-CC

IMPORTANT: It is recommended that you use
NSL's Concrete Cap for concrete pour installations.
These caps assist in providing a proper reveal for
flush mount of fixture cover after concrete is dry.

Specifications

Input Voltage	120V AC
Power Consumption	5.2 Watts
Lumens	70.5
Average LED Life	40,000 hours
LED Color	White (3000K +/-200)
Cover Finish	Powder Coated White, Bronze, Brushed Aluminum, Black or Stainless Steel in Louver model
Can Finish	Powder Coated White or fluorocarbon lacquer
Construction	Cover and can cast aluminum
Lens	Frosted Tempered Glass
Wiring Options	120V AC hardwire – can be daisy chained up to 150 fixtures per 15A circuit
Agency Approval	cUL listed for wall, ceiling, wet and IC locations.

Dimensions (L x W x H)

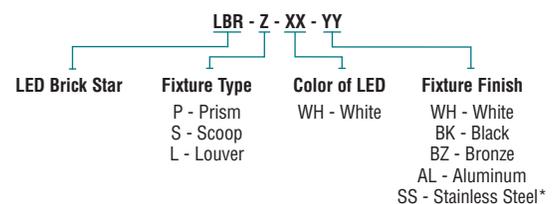| Cover Type		Cover
Scoop	Cover	9" x 3" x 1 1/2" (228.6mm x 76.2mm x 38.1mm)
	Can	7 11/16" x 2 13/32" x 3 7/32" (195.6mm x 61.0mm x 81.3mm)
Prism	Cover	9" x 3" x 3/4" (228.6mm x 76.2mm x 19.1mm)
	Can	7 11/16" x 2 13/32" x 3 7/32" (195.6mm x 61.0mm x 81.3mm)
Louver	Cover	9" x 3" x 3/4" (228.6mm x 76.2mm x 19.1mm)
	Can	7 11/16" x 2 13/32" x 3 7/32" (195.6mm x 61.0mm x 81.3mm)

Accessories

Replaceable LED Module
LEDMOD-32-F

Cover Types and Finish

Scoop Cover

Prism Cover

Louver Cover

Stainless Steel Finish
available in Louver Cover only

☐ **White**

■ **Black**

■ **Bronze**

☐ **Brushed Aluminum**

Product Codes

LBR - Z - XX - YY

| LED Brick Star	Fixture Type	Color of LED	Fixture Finish
	P - Prism	WH - White	WH - White
	S - Scoop		BK - Black
	L - Louver		BZ - Bronze
			AL - Aluminum
			SS - Stainless Steel*

* Stainless Steel finish available in Louver cover only

LED Wall Star

LED Wall Star by NSL provides a safe, attractive and affordable way to light interior and exterior steps, aisles, halls, paths, entrance ways and patios & decks.
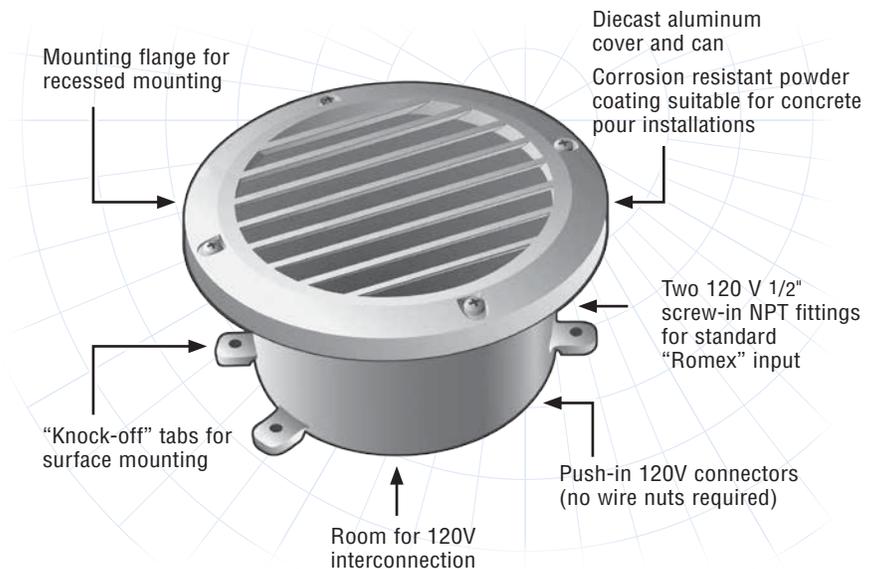
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DIMMABLE!

Recess or Wall Mount
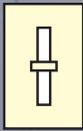
Die cast aluminum surface or recessed mount LED light fixture of only 5.2 watts. Dimmable. 120V AC input and output of fixture up to 150 fixtures per 15A tap. Replaceable 120V DC LED module included. UL listed Wet Location. Offered in three cover styles and four fixture finishes.

Features

✔ REplaceable 120V DC LED module
✔ Pleasingly warm color temperature of 3100K
✔ Three cover designs: Louver, Prism and Scoop
✔ Four cover color options: White, Black, Bronze or Aluminum
✔ Dimmable
✔ UL listed for wet and IC locations
✔ Use in poured concrete
✔ Can be surface mounted or recessed into any hole 5" diameter and 3" deep
✔ Two year limited warranty

Mounting flange for recessed mounting

Diecast aluminum cover and can

Corrosion resistant powder coating suitable for concrete pour installations

Two 120 V 1/2" screw-in NPT fittings for standard "Romex" input

"Knock-off" tabs for surface mounting

Push-in 120V connectors (no wire nuts required)

Room for 120V interconnection

Applications

• Interior stairs
• Exterior stairs
• Aisles
• Hallways
• Paths
• Patios & Decks

• Entry lighting
• Post lighting
• Showers

Anywhere that requires security or safety lighting in an aesthetically pleasing manner!

NATIONAL SPECIALTY LIGHTING

LED Wall Star

5 1/8"

6 3/8"

COVER DIAMETER

2 1/8"

MOUNTING HOLE LOCATIONS

5/8"   4 7/8"

2 1/2"

LOUVER, PRISM
5"

3/4"

5/8"   4 7/8"

2 1/2"

SCOOP
5"

1 1/2"
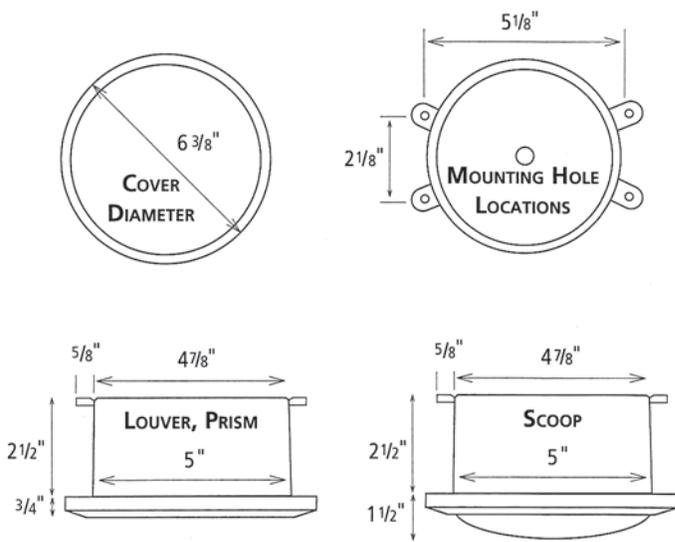
Mounting Options

Recessed

Surface mounted

Specifications

Input Voltage	120V AC
Fixture Energy Rating	120V AC, 43mA, 5.2 watts
LED Module Life	Replaceable 120V DC LED module rated at 40,000 hours
Color Temperature	3100K ±200K
Cover Finish	Powder coated white, black, bronze or natural aluminum
Can Finish	Powder coated white with white reflector
Construction	Cover and can die cast aluminum
Lens	Frosted Tempered Glass
Wiring Options	120V AC hardwire – can be daisy chained up to 150 fixtures per 15A tap. Check local code and NEC for wiring selection.
Agency Approval	UL listed for wet and IC locations

Accessories

Wall Star Concrete Cap

WL-CC
Required for all concrete pour and brick wall applications

Replaceable LED Module
LEDMOD-32-F

Cover Types and Finish

Scoop Cover   **Prism Cover**   **Louver Cover**

White   **Bronze**   **Black**   **Aluminum**

Product Codes

LWS - X - YY

LED Wall Star   **Cover Type**   **Cover Finish**

Cover Type:
P - Prism
S - Scoop
L - Louver

Cover Finish:
WH - White
BK - Black
BZ - Bronze
AL - Aluminum
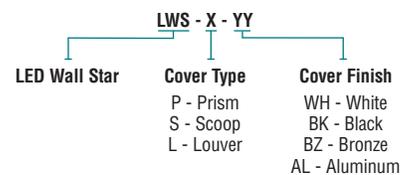
LED Wall Sconces

Suitable for indoor or outdoor use, this attractively designed fixture provides both an up light and down light component utilizing our replaceable 5.2 watt LED modules.
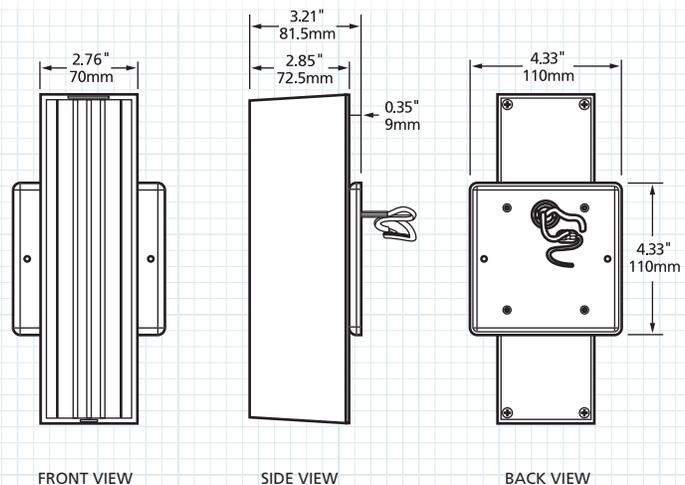
c (UL) US
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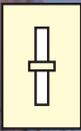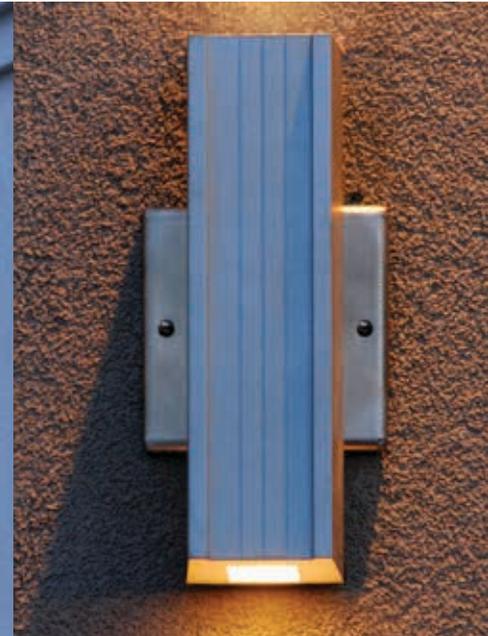
DIMMABLE!

LED Wall Sconce combines elegant contemporary design with high efficiency LEDs. The result is an extremely versatile fixture ideal for use in countless applications indoor or outdoor. Clear lensed openings provide a distinctive beam pattern that provides warm (3000K) efficient light with an overall power consumption of just 10.4 watts! You can also elect to have only an up light or down light component if you wish. Rugged die-cast aluminum construction in four finishes make this fixture a natural choice that will last for many years.

Features

✔ Replaceable 5.2 watt LED modules
✔ Energy efficient at just 10.4 watts overall power consumption
✔ Dimmable with most trailing edge electronic dimming systems
✔ Rugged Cast Aluminum construction
✔ 40,000 hour LED life
✔ Mounts to CSA listed 4" octagonal junction box
✔ White, Bronze, Black and Aluminum finishes available
✔ Dual top and bottom, or, top or bottom single light operation option
✔ cUL listed wet location for exterior or interior applications
✔ Powder coated finish
✔ 2 year limited warranty

2.76" 70mm
3.21" 81.5mm
2.85" 72.5mm
0.35" 9mm
4.33" 110mm
4.33" 110mm

FRONT VIEW   SIDE VIEW   BACK VIEW

Applications

- Exterior residential
- Exterior commercial
- Entrance ways
- Hallway lighting
- Hotel hallways
- Restaurants

- Stairways
- Lobbies
- Outside elevators
- Deck Lights
- Patio Lights

NATIONAL SPECIALTY LIGHTING

Floor, Wall & Ceiling Photometrics Data

0.05	0.09	0.13	0.09	0.05
0.09	0.32	3.62	0.32	0.09
0.14	0.72	14.13	0.72	0.14
0.16	1.15	21.63	1.15	0.16
0.01	0.08	1.47	0.08	0.01
0.02	0.11	25.60	0.11	0.02
0.00	0.00		0.00	0.00
0.03	0.14	31.82	0.14	0.03
0.02	0.66	1.80	0.66	0.02
0.03	0.33	0.42	0.33	0.03
0.08	0.14	0.16	0.14	0.08
0.06	0.07	0.08	0.07	0.06
0.03	0.04	0.04	0.04	0.03
1.76	2.08	2.18	2.08	1.76
1.72	2.01	2.08	2.01	1.72
1.50	1.78	1.85	1.78	1.50
1.18	1.39	1.46	1.39	1.18

LED Wall Sconce Fixture mounted 6' above floor (fixture illustration not to scale)

12" / 12" / 12" / 12" — 48"

X.X Illuminance in footcandles

Specifications

Input Voltage:	120V AC
Power Consumption	2 LED modules in use 10.4 watts 1 LED modules in use 5.2 watts
Max no. of fixtures per circuit	75
Average LED Life	40,000 hours
Replacement LED Module	LEDMOD-HVDC
LED Angle:	90 degrees
LED Color:	Warm White (3000K)
Color Rendering Index	>80
Cover Lens material	Tempered Glass
Product Material:	Cast Aluminum
Product finish:	Brushed Aluminum, Black, Bronze, White
Dimensions:	9.375" H X 2.75" W X 3.0" D
Junction Box cover	4.375" H X 4.375" W X 0.375" D
Approvals listing:	cUL Listed Wet Locations, for indoor and outdoor applications.

Accessories

LEDMOD-32-FF
Warm white LED replacement module
3000K ± 200

Cover Finish

White

Black

Bronze

Brushed Aluminum

Product Codes

LSS - WW - YY

LED Wall Sconce | Warm White | Finish

WH - White
BK - Black
BZ - Bronze
AL- Aluminum
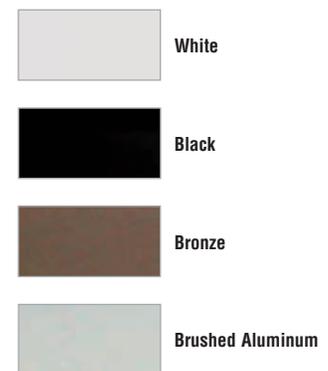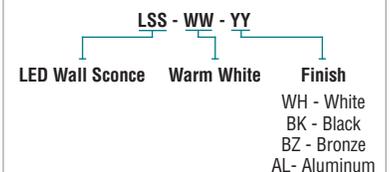
LED Task Star

NSL

All of the convenience and light output
of traditional task lights with the benefits
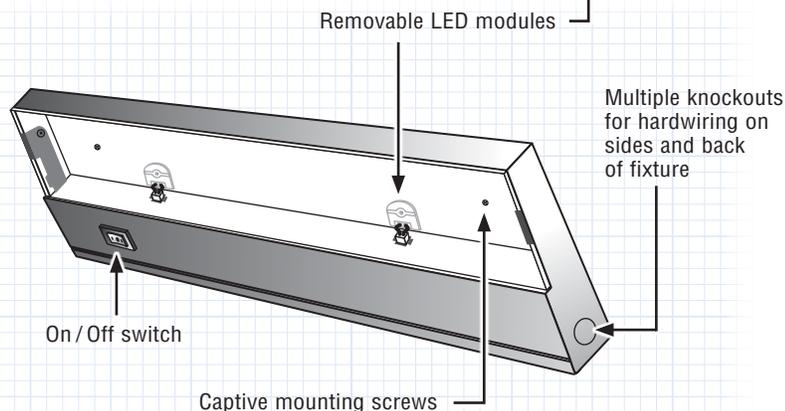of LED technology.

c(UL)us Listed
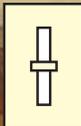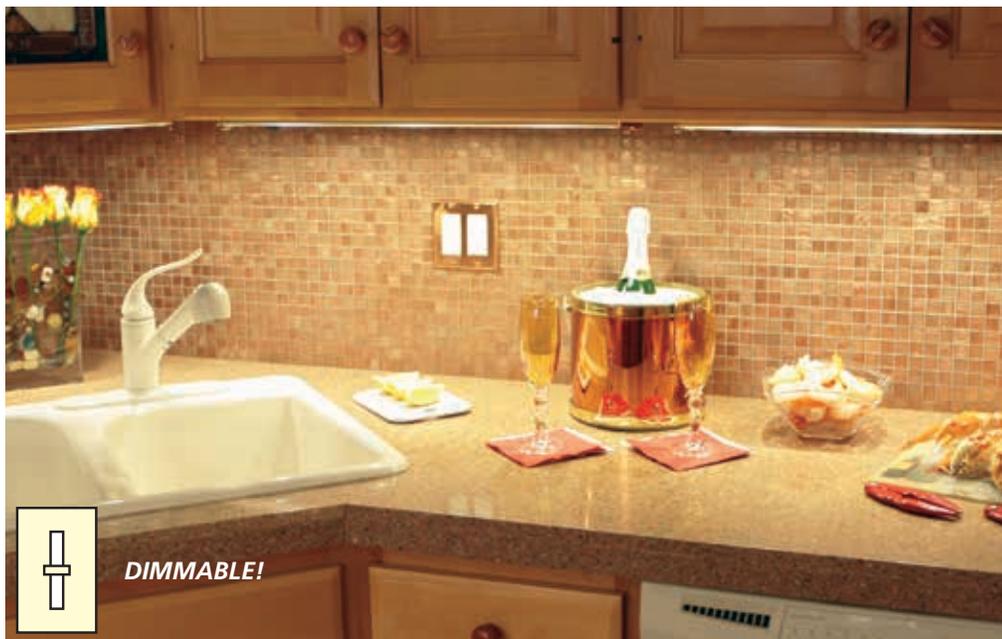
DIMMABLE!

LED Task Star comes with replaceable high voltage LED modules that are dimmable making it an extremely versatile fixture. It is available in 1,2,3,4 and 5 module versions. Overall power consumption is as low as 5.2 watts per fixture. What's more, there are no remote or internal LED drivers to worry about as the replaceable modules work directly off of line voltage. Simply connect directly to 120 Volt power.

Features

✔ Dimmable with most trailing edge dimmers
✔ Low power consumption – as low as 5.2 watts per module
✔ Warm White color temperature (3000K +/- 200)
✔ 40,000 hour useful lamp life
✔ No harmful UV rays
✔ Fast and easy installation – push in terminals for hard wire connection
✔ 120 volt through wiring
✔ Available in 1, 2, 3, 4 & 5 LED module units
✔ Secure hinged lens
✔ Captive mounting screws in lamp compartment
✔ Available in 4 colors: White, Bronze, Black and Brushed Aluminum
✔ 6' cord and plug version also available (special order)
✔ 3 year limited warranty

Removable LED modules

Multiple knockouts for hardwiring on sides and back of fixture

On / Off switch

Captive mounting screws

Available in 1, 2, 3, 4 and 5 module units.

Save up to 80% in energy consumption with same light output as 18 watt xenon!

Applications

- Under cabinet task light
- Over cabinet accent light
- Display cases and exhibits
- Merchandising
- Indirect accent light
- Wall units and bars
- Office work stations

LED Task Star

Countertop Photometrics Data

3 LED Module Task Star fixture (LTS-3-HW) mounted 7" from back wall

18"

18"

58.3	86.2	58.3
61.4	91.0	61.4
51.4	75.2	51.4
38.2	54.7	38.2

12"   12"   12"   12"

48"
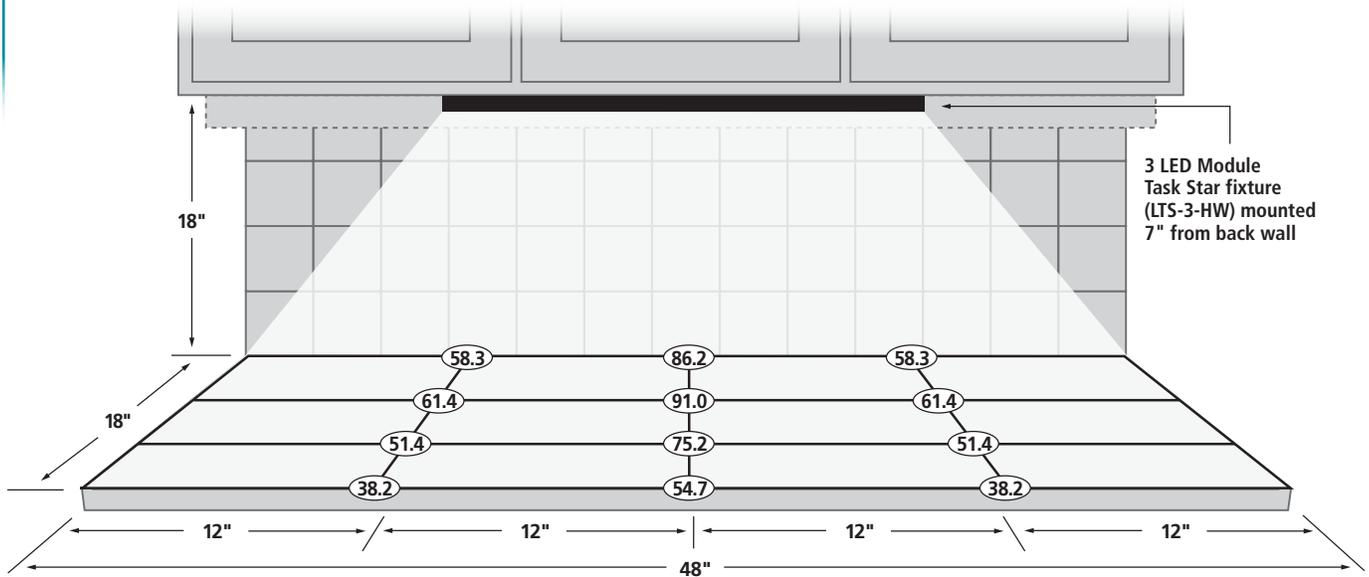
X.X **Illuminance in footcandles**

Specifications

Operating Voltage	120 Volt
Product View Angle	90°
Operating Temperature	-20°C – 50°C
Storage Temperature	10°C – 70°C
Color Rendering Index	>80
Weight	LTS-1 = 350g LTS-2 = 760g LTS-3 = 1100g LTS-4 = 1450g LTS-5 = 1680g
Product Material	PC & Aluminum
Product Finish	Black & White: Powder Coating Aluminum, Bronze: Anodized
Product Color	Black, White, Aluminum, Bronze
Cover (Lens) Material	Top Cover: Frosted Glass, Side Cover: ABS
Cover (Lens) Finish	Side Cover (Black, White & Bronze): Plastic Injection Side Cover (Aluminum): Vacuum Plating

LED Module Specifications

LEDMOD-32-FF	Replacement LED Module
LED Life	40,000 hours
No. of LED per Fixture	1 – 5
Illuminance	450 Lux 17.72" (45cm) Distance
Luminous Flux	175 lumens/module
Color Temperature	3000K +/- 200
LED Angle	125°
Operating Voltage	120V
Operating Current	.045 A

Available in white or black (powder coated finish) and a brushed aluminum or bronze finish (anodized).

Product Code

Code	Description	Energy Usage*	Dimension (L x W x H)
LTS-1-HW/xx	LED Task Star, 1 LED Module	5.2W	9" x 4 5/8" x 1 1/2" (229mm x 113mm x 39mm)
LTS-2-HW/xx	LED Task Star, 2 LED Module	10.4W	17 1/2" x 4 5/8" x 1 1/2" (445mm x 113mm x 39mm)
LTS-3-HW/xx	LED Task Star, 3 LED Module	15.6W	26" x 4 5/8" x 1 1/2" (659mm x 113mm x 39mm)
LTS-4-HW/xx	LED Task Star, 4 LED Module	20.8W	34 1/2" x 4 5/8" x 1 1/2" (875mm x 113mm x 39mm)
LTS-5-HW/xx	LED Task Star, 5 LED Module	26.0W	38 1/2" x 4 5/8" x 1 1/2" (967mm x 113mm x 39mm)

Wiring options: Replace HW (hardwire) with PC for plug and cord version
xx = finish color: AL - Aluminum, BK - Black, BZ - Bronze, WH - White

Low Voltage Mini Flood Light

Low Voltage Mini Flood Lights provide exceptional illumination in a variety of beam spreads and colors and are IP68 rated for under water applications as well as wet locations.

Static Color

RGB Color Change

Low Voltage LED Mini Floods provide an extra degree of safety working on Class 2, 24Volt power supplies and are suitable for submersed applications down to 1 meter under water. They are available in Warm White and Cool White as well as Blue and RGB making them a powerful tool for flood lighting or spot lighting buildings, trees or fountain lighting.

Features

✔ Compact size
✔ Adjustable mounting arm with degree markings allows easy fixture aiming
✔ Safe 24 Volt operation
✔ Long life 50,000 hours
✔ Several mounting options including ground mount, wall mount, extended wall mount
✔ High lumen output
✔ Available in Warm White, Cool White, Blue and RGB color change
✔ Available in 10˚ and 30˚ beam spreads static colors, 40˚ for RGB
✔ IP68 submersible to 1 meter – ideal for fountains and water features.
✔ Comes with 6' (1.8m) power feed wire for static colors, 6' with quick connect for RGB
✔ RGB can be controlled with stand alone controller or with existing DMX systems
✔ 2 year limited warranty

2.75"
70.4mm

1.45"
36.9mm

4.80"
122mm

4.80"
122mm

6.02"
153mm

5.55"
141mm
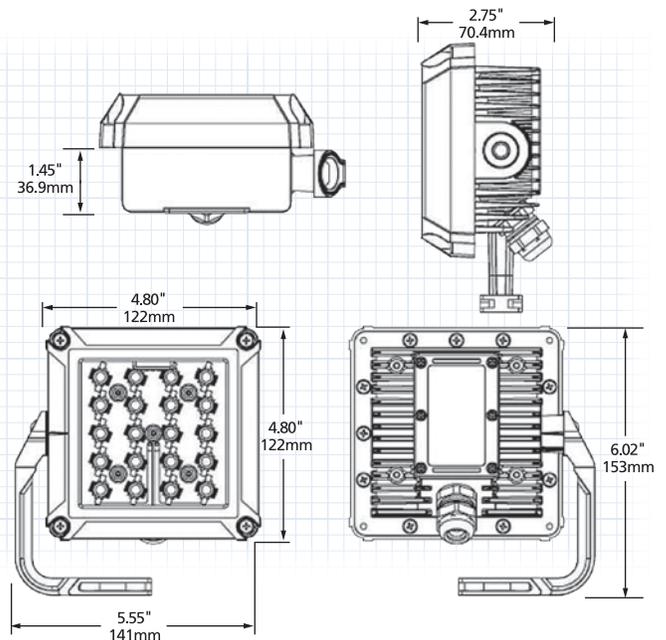
Applications

- Spot lighting architectural features
- Narrow spots for grazing building facades
- Fountain and pool lighting
- Signage illumination
- Dock lighting
- Parking lots
- Flag poles
- Landscape lighting

Low Voltage Mini Flood Light

Indoor/Outdoor Non Dimmable Drivers

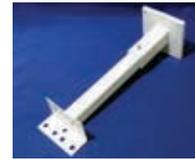See page 57 - 58 for driver selection guide and details of use.

LEDDR-24-120W
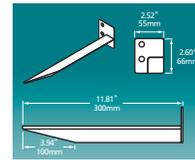Maximum 4 Low Voltage Mini Flood lights
Input: 100 - 240V AC
Output: 24V DC
10" x 3 3/8" x 3 3/16" (254 x 85.7 x 55.6mm)

Accessories

HVDC-EXA
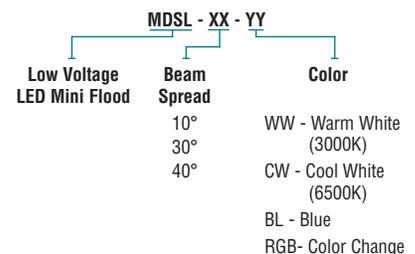Extendable Arm Wall Bracket, 9" - 12"

HVDC-GMS
Ground Mount Stake

TCJ-E06
6' (1.8m) Extension Cord
TCJ-E30
30' (9.1m) Extension Cord

MDSL-Y-002
Y-Connector

Illuminance at a Distance 10° Spread Fixture

Centre Beam LUX	Beam Width	
	Vertical Spread: 12.7°	Horizontal Spread: 13.0°
1.64ft 0.5m	69,262 LUX	0.33ft 0.1m	0.33ft 0.1m
3.28ft 1.0m	17,315 LUX	0.66ft 0.2m	0.66ft 0.2m
4.92ft 1.5m	7,695 LUX	0.98ft 0.3m	0.98ft 0.3m
6.56ft 2.0m	4,328 LUX	1.64ft 0.5m	1.64ft 0.5m
8.20ft 2.5m	2,770 LUX	1.97ft 0.6m	1.97ft 0.6m
9.84ft 3.0m	1,923 LUX	2.29ft 0.7m	2.29ft 0.7m

Illuminance at a Distance 30° Spread Fixture

Centre Beam LUX	Beam Width	
	Vertical Spread: 28.1°	Horizontal Spread: 28.3°
1.64ft 0.5m	15,584 LUX	0.98ft 0.3m	0.98ft 0.3m
3.28ft 1.0m	3,896 LUX	1.64ft 0.5m	1.64ft 0.5m
4.92ft 1.5m	1,731 LUX	2.62ft 0.8m	2.62ft 0.8m
6.56ft 2.0m	974 LUX	3.28ft 1.0m	3.28ft 1.0m
8.20ft 2.5m	623 LUX	4.27ft 1.3m	4.27ft 1.3m
9.84ft 3.0m	432 LUX	4.92ft 1.5m	4.92ft 1.5m

Lux levels measured with Cool White. Warm White lux levels are approximately 35% less.

Specifications	Static Color	RGB Color Change
Operating Voltage	24VDC	24VDC
Power Consumption	28W Max.	26.4W Max.
Current (Static)	1.2A Max.	1.1A Max.
Average LED life	50,000 hours (L70)	
Operating Temperature	-20°C – 50°C	
Product Material	Aluminum Alloy	
Product Finish	Plating & Sand Blast	
Cover Color	Clear	
Dimensions (without bracket)	4 13/16" x 4 13/16" x 2 3/4" (122 x 122 x 70mm)	
Weight	1360g	
Safety Certificate	QPS Wet locations	
No. of LED per Module	MDSL-10 – 10pcs (OSRAM)	6pcs (Helio)

LED Color	Warm White		White	
Color Temperature	3000K (+/-200K)		6500K (+/-500K)	
Beam Angle	10°	30°	10°	30°
Illumination at 1M*	11,200 Lux	2,400 Lux	17,300 Lux	3,800 Lux
Illumination at 2M*	2,700 Lux	550 Lux	4,300 Lux	950 Lux
Luminous Flux*	1,000 Lm		1,400 Lm	
CRI	>80		>70	

* Tolerance +/- 10%

Product Codes

MDSL - XX - YY

Low Voltage LED Mini Flood	Beam Spread	Color
	10°	WW - Warm White (3000K)
	30°	CW - Cool White (6500K)
	40°	BL - Blue
		RGB- Color Change

NOTE: Static Colors available in 10° & 30°, RGB available in 40°

High Power LED Flood Light

Available in various beam angles and color temperatures these High Power LED Flood Lights are suitable for a variety of indoor or outdoor applications.

The High Power LED Flood Lights are fitted with efficient Cree, OSRAM or Philips Lumileds LUXEON LEDs and powered by a Meanwell driver offering superior performance and reliability. With our unique beam profile and uniform photometric distribution, the LED Flood Light series achieves high optical efficiency with state-of-the-art technology to boost overall system efficiency.

Proprietary thermal management design ensures low LED junction temperature, while maintaining an extremely light weight fixture. High Power LED Flood Lights are cETL/us listed with selected models DesignLights Consortium® (DLC) qualified.

Design Innovation

Fold-Fin Heatsink (FFH) technology
- Thin aluminum sheets that are pressed into the desired fin structures by fully automated machines
- The heatsink is soldered together using a high temperature furnace resulting in a large total surface area that is extremely light weight

Air ventilation housing design
- Designed to allow very effective air flow across the heatsink
- Helps to direct the heat away from LED light source by natural convection

Distributed heat source
- Evenly distributed light source panel configuration spreads the heat source over larger area
- Reduced thermal density lowers LED junction temperature

LED vs Metal Halide Replacement Table

LED Flood Light	Metal Halide Flood Light
60 W / 80 W	150 W
100 W / 150 W	250 W
200 W / 250 W	400 W
300 W / 350 W	750 W
400 W / 500 W	1000 W
600 W / 800 W	1500 W
1000 W	2000 W

Comparison based on metal halide mean lumen lamp output

Product Codes

FL - 200 - XX - YY - ZZ

FL Series	Wattage		CCT	Voltage	Beam Angle
	060 = 60 W	300 = 300 W	30 = 3,000K	UNV = 90–305 VAC, 50/60 Hz	15 = 15°
	080 = 80 W	350 = 350 W	40 = 4,000K		30 = 30°
	100 = 100 W	400 = 400 W	55 = 5,500K	HV = 347–480 VAC, 50/60 Hz	40 = 40°
	150 = 150 W	500 = 500 W	70 = 7,000K		60 = 60°
	200 = 200 W	600 = 600 W			60F = 60° x 135°
	250 = 250 W	800 = 800 W			Blank = 85° x 135°
		1000 = 1,000 W			

High Power LED Flood Light

Specifications	60 W	80 W	100 W	150 W	200 W	250 W	300 W	350 W	400 W	500 W	600 W	800 W	1000 W
							High Power LED Flood Light						
Light Source	Phillips Lumileds, Cree, OSRAM												
Supply Voltage	90–305 VAC, 50/60 Hz												
LED Power (W)	60	80	100	150	200	250	300	350	400	500	580	800	1,000
System Power (W)	66	90	110	170	220	280	330	390	440	550	640	880	1,100
Luminous Flux** (lm)	6,600	8,800	11,000	16,500	22,000	27,500	33,000	38,500	44,000	55,000	64,000	88,000	110,000
Beam Angle	15° / 30° / 40° / 60° / 60° x 135° / 85° x 135°												
CCT	3000K – 7000K												
Typical CRI	70												
Lifespan	50,000 hrs												
Operating Temp.	-40°C – +45°C												
Weight (kg)	~5.0	~6.0	~6.5	~8.0	~8.0	~9.0	~17.0	~17.5	~19.0	~27.0	~27.5	~36.0	~39.8

Optional slipfitter available FL-SF (60W – 250W)

See website for complete list of drawings and available photometrics

60W LED Flood Light
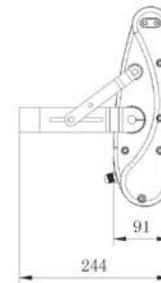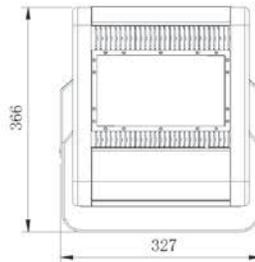
80W LED Flood Light
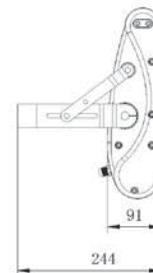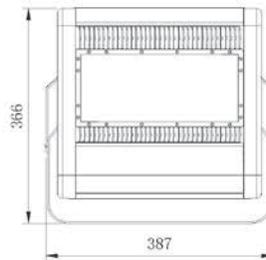
DESIGNLIGHTS CONSORTIUM

100W LED Flood Light
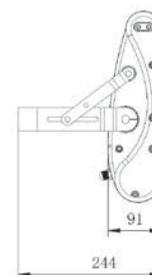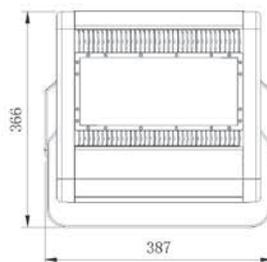
High Power LED Flood Light

150W LED Flood Light

366

507

91

244

200W LED Flood Light

366

507

91

244

250W LED Flood Light

367

567

91

244

300W LED Flood Light

572.00

461.00
533.00

138.10
386.15
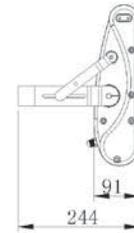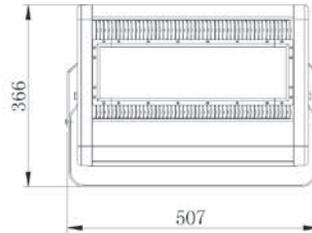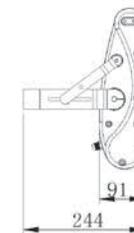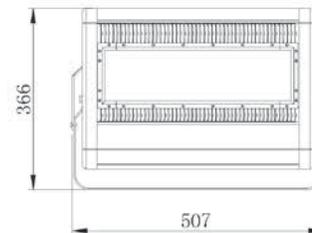
350W LED Flood Light

572.00

461.00
533.00

138.10
386.15
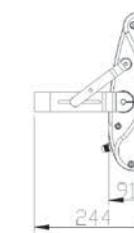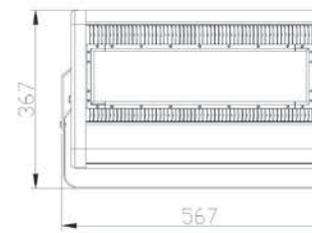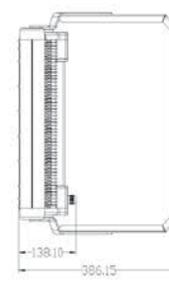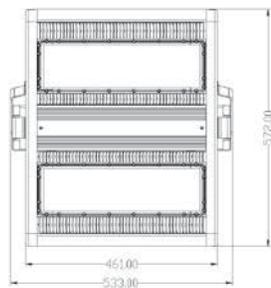
NATIONAL SPECIALTY LIGHTING
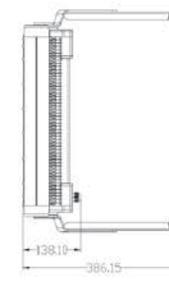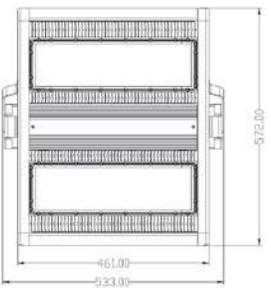
High Power LED Flood Light

400W LED Flood Light
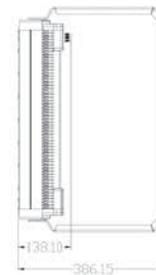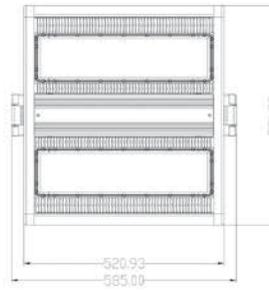

500W LED Flood Light

600W LED Flood Light

800W LED Flood Light
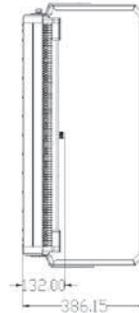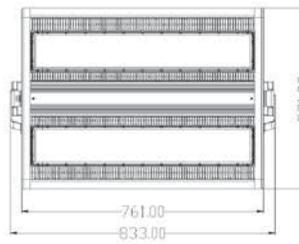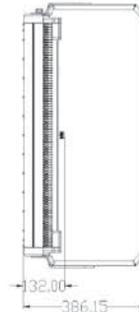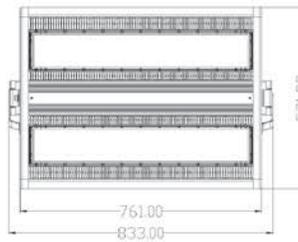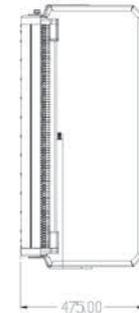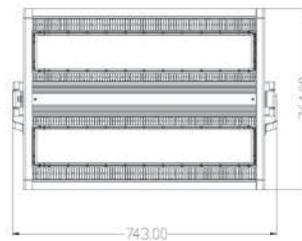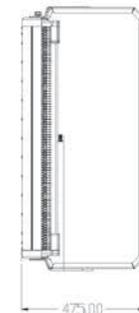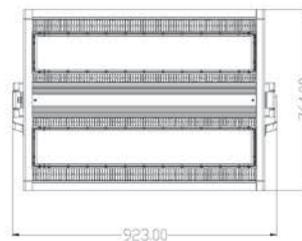

1000W LED Flood Light

LED Drivers Selector Chart

NON DIMMABLE DRIVERS

LEDDR-12-60W

LEDDR-24-120W

LMS-24-18W
LMS-24-60W

LTH-24-65W

DIMMABLE DRIVERS

TRE12L20DC
TRE12L60DC

TRE24L40DC
TRE24L96DC

Indoor, Non-Dimmable	Low Voltage Mini Flood Light	LED Mini Star II	LED Tape Light†	LED Globe Light	
LMS-24-18W 24V, 18W, plug in	–	Max. 4 LEDMS II	–	–	
LMS-24-60W 24V, 60W plug in	–	Max. 16 LEDMS II	–	–	
LTH-24-65W 24V, 60W, plug in	–	–	–	–	

Indoor/Outdoor Non-Dimmable					
LEDDR-12-60W 12V, 60W, hardwire, outdoor, Max. 60W	–	–	–	–	
LEDDR-24-120W 24V, 120W, hardwire, outdoor, Max. 120W	Max. 4 MDSL single color or RGB	Max. 32 LEDMS II 16 per single secondary tap	LED Tape Light: Max. recommended load 90W or 20' (6.1m) per single tap, 120W or 28' (8.53m) combined two secondary taps. CCT series: 16' (4.88m) per single tap, 22' (6.71m) combined two secondary taps.	Max. 180 Globes per single tap, max. 120 combined two secondary taps.	

Indoor/Outdoor Dimmable					
TRE12L20DC†† 12V, 20W, hardwire, outdoor, dimmable, Max. 18W, Min. 10W	–	–	–	–	
TRE12L60DC†† 12V, 60W, hardwire, outdoor, dimmable, Max. 54W, Min. 30W	–	–	–	–	
TRE24L40DC†† 24V, 40W, hardwire, outdoor, dimmable, Max. 36W, Min. 20W	Max. 1 MDSL single color	Max. 10, Min. load 10W or 3 LED Mini Star II	LED Tape Light: Max. recommended load 36W or 8' (2.44m), Min. 8W or 2' (.61m). CCT series: Max. 6' (1.83m), Min. 2' (.61m).	Max. 80 Globes	
TRE24L96DC†† 24V, 100W, hardwire, outdoor, dimmable, Max. 90W, Min. 50W	Max. 3 MDSL single color	Max. 25, Min. load 10W or 3 LED Mini Star II	LED Tape Light: Max. recommended load 90W or 20' (6.1m), Min. 8W or 2' (.61m). CCT series: Max. 16' (4.88m), Min. 2' (.61m).	Max. 180 Globes	

† Note: Above maximum and minimum lengths are for Standard Tape. You may double these when using LP, Low Power Tape.
†† TRE drivers require E-KO-SR for outdoor applications

NATIONAL SPECIALTY LIGHTING

	LED Wedge Light	LED Hard Strip	LED Thin Star	LED Britestrip	LED eSTRIP	LED Disc Light	LED MiniDisc Light
	–	–	–	–	–	–	–
	–	–	–	–	–	–	–
	–	–	Max. total 60 Thin Star LEDs*	–	–	–	–

	LED Wedge Light	LED Hard Strip	LED Thin Star	LED Britestrip	LED eSTRIP	LED Disc Light	LED MiniDisc Light
	Max. 200 Globes	–	–	–	–	Max. 18 LEDD	Max. 200 LEDMD
	–	–	–	Festoon .52W LED modules: Max. 110 per single secondary tap, max. 185 total	Max. 90" (27.43m) per single secondary tap, max. 120' (36.58m) combined two secondary taps. RGB eStrip & HP eStrip: 40' (12.19m) per single secondary tap, 50' (15.24m) combined secondary taps	–	–

	LED Wedge Light	LED Hard Strip	LED Thin Star	LED Britestrip	LED eSTRIP	LED Disc Light	LED MiniDisc Light
	Max. 80 Globes	–	–	–	–	Max. recommended load 18W or 6 LEDD Min. recommended load 8W or 3 LED Disc Lights	Max. 75 LEDMD Min. recommended load 8W or 34 LED MiniDisc Lights
	Max. 200 Globes	–	–	–	–	Max. recommended load 54W or 18 LEDD Min. recommended load 8W or 3 LED Disc Lights	Max. 200 LEDMD Min. recommended load 8W or 34 LED MiniDisc Lights
	–	Max. recommended load 36W, min. 8W LED Hard Strip	Max. total 60 Thin Star LEDs* Min. recommended load 8W or 18 Thin Star LEDs	Max. 76 LED lamps Min. 16 LED lamps	LED eStrip: Max. 37.5' (11.43m), Min. 8W, 8' LED eStrip (2.44m). High Power: Max. 18' (5.49m), Min. 4' (.67m)	–	–
	–	Max. recommended load 90W, min. 8W LED Hard Strip	–	Max. 180 LED lamps Min. 16 LED lamps	LED eSTRIP: Max. 90' (27.4m), Min. 8W, 8' LED eStrip (2.44m). High Power: Max. 40' (12.19m), Min. 4' (.67m)	–	–

* Please refer to catalogue for # of LEDs per fixture.

LED Controllers Chart

DMX DECODER	Description
LV-DMX-IP-RGB-3CH	3CH DMX Decoder 12/24V DC output, <4A MAX, 12<144W, 24v<288W
LV-DMX-IP-RGB-4CH	4CH DMX Decoder 12/24V DC output, <4A MAX, 12<192W, 24v<384W
DMX CABLE	**Description**
LVL-DMX-3PIN-1FT	1ft Long power cable with XLR waterproof connector
LVL-DMX-3PIN-5FT	5ft Long power cable with XLR waterproof connector
LVL-DMX-3PIN-10FT	10ft Long power cable with XLR waterproof connector
LVL-DMX-3PIN-25ft	25ft Long power cable with XLR waterproof connector
LVL-DMX-3PIN-50FT	50ft Long power cable with XLR waterproof connector
LVL-DMX-3PIN-60FT	60ft Long power cable with XLR waterproof connector
LVL-DMX-3PIN-100FT	100ft Long power cable with XLR waterproof connector
DMX CONTROLLERS	**Description**
SLESA-U9	Entry level, USB 256 channels
STICK-GA2	Mid range, touch control pad 512 channels
STICK-GU2	DMX, touch control pad, 128 channels
STICK-DE3	Professional, touch control Pad 1024 channels
DMX ACCESSORIES	**Description**
LV-DMX-XLR3-ST	XLR3 Signal terminator
LV-DMX-3PIN	Power cable XLR waterproof connector
SENSOR	**Description**
LV-SPIR-1CH-LV	PIR Motion sensor, 1 channel, 12/24V DC
CONTROLLERS & AMPLIFIERS	**Description**
LT-09S-RF	6 Key RGB "touch" controller 12/24V DC
LT-390A	Signal amplifier for RGB 12/24V DC, 3 channel, indoor
LT-031-RF	6 Key CCT Adjustable "touch" controller 12/24V DC
LT-290A	Signal amplifier for CCT color adjust tape light 12/24V DC
LT-032-RF	6 Key Dimming "touch" controller 12/24V DC
LV-ZJFFS-3CH-6INW	WD Signal amplifier for RGB 12/24V DC, 3 channel, outdoor
LV-RF103	Wireless RF mini RGB controller 24V, 96W
LV-RF103-EXHS	6" Tape Light extension connector for LV-RF103 controller
LN-CON-WiFi-3CH-XV	WiFi controller for RGB, CCT, and dimming, c/w RF remote 12/24VDC
LV-TC101	Mini three button dimmer 24V, 96W

NATIONAL SPECIALTY LIGHTING

LN-CON-WIFI-3CH-XV

STICK-DE3

STICK-J GA2

SLESA-U9

STICK-GU2

LV-RF103

LV-SPIR-1CH-LV

LT-390A
NOT SHOWN: LT-290A

LV-ZJFFS-3CH-6INW

LV-DMX-IP-RGB-3CH
LV-DMX-IP-RGB-4CH

LT-031-RF

LT-032-RF

LT-09S-RF

LVL-DMX-3PIN

LV-DMX-XLR-ST

LVL-DMX-3PIN-1FT
LVL-DMX-3PIN-5FT
LVL-DMX-3PIN-10FT
LVL-DMX-3PIN-25FT
LVL-DMX-3PIN-50FT
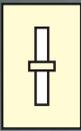LVL-DMX-3PIN-60FT
LVL-DMX-3PIN-100FT

LV-TC-101

LV-HS-CN-3DC

Xenon Task Light

Xenon bulbs burn significantly cooler, have four times
the lamp life and are half the cost of halogen.
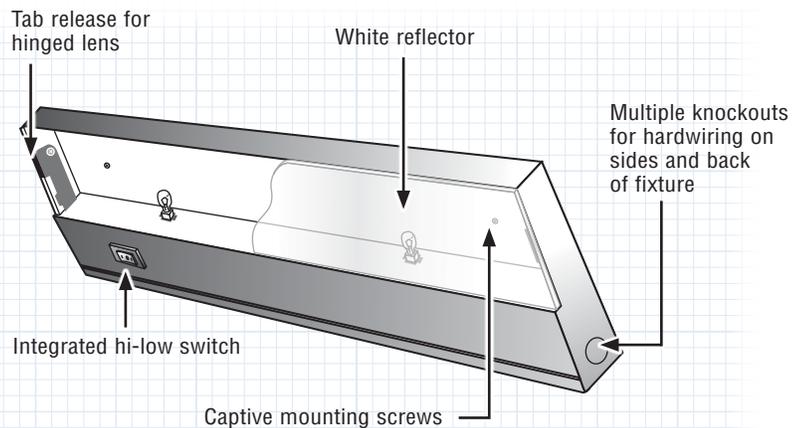
NSL

c(UL)us
Listed

DIMMABLE!

Xenon Task Light (XTL) is the perfect affordable
solution for under cabinet, counter and shelf
lighting. XTL utilizes an 18 watt xenon lamp that
provides a better quality light (color rendering index
RA = 100 and color temperature of 2750 Kelvin),
longer lamp life (10,000 hours) and a cooler
burning lamp when compared to traditional halogen
products.

Features

✔ Safety – low pressure 18 watt xenon
   lamps that burn cooler than halogen

✔ 10,000 hour lamp life

✔ Easily dimmable

✔ Fast and easy installation – push in terminals
   for wire connection, snap on covers

✔ 120 volt through wiring

✔ Available in 1, 2, 3, 4 & 5 lamp units

✔ Hinged lens for easy relamping

✔ Captive mounting screws included
   in bulb compartment

✔ Available in 4 colors: White, Bronze, Black and
   Brushed Aluminum

✔ 5' pre-installed cord and plug also available

✔ 1 year limited warranty

Tab release for
hinged lens

White reflector

Multiple knockouts
for hardwiring on
sides and back
of fixture

Integrated hi-low switch

Captive mounting screws

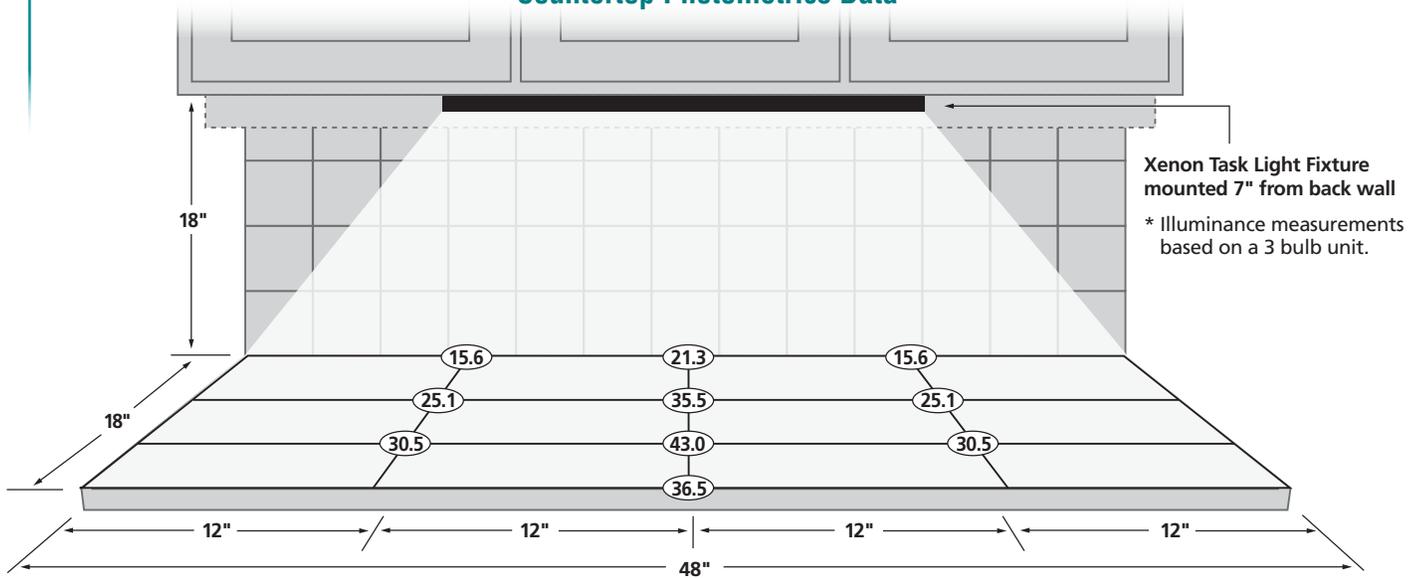Available in 1, 2, 3, 4 and 5 module units.

Applications

• Under cabinet task light
• Over cabinet accent light
• Display cases and exhibits
• Merchandising

• Indirect accent light
• Wall units and bars
• Office work stations

Xenon Task Light

Countertop Photometrics Data

Xenon Task Light Fixture mounted 7" from back wall

* Illuminance measurements based on a 3 bulb unit.

18"

18"

15.6	21.3	15.6
25.1	35.5	25.1
30.5	43.0	30.5
	36.5	

12"   12"   12"   12"

48"

(X.X) **Illuminance in footcandles**

Specifications

Operating Voltage	120 Volt
Weight	XTL-1 = 350g XTL-2 = 760g XTL-3 = 1100g XTL-4 = 1450g XTL-5 = 1680g
Product Material	Aluminum body, ABS end covers
Product Finish	Black & White: Powder Coating Aluminum, Bronze: Anodized
Product Color	Black, White, Aluminum, Bronze
Lens	Frosted Glass
Cover Finish	Side Cover (Black, White & Bronze): Plastic Injection Side Cover (Aluminum): Vacuum Plating
Replacement Lamp	12 V, 18 W, product code XTL-BULB

Hardwire units can be daisy chained up to 66 bulbs or 1188 watts

Available in white or black (powder coated finish) and a brushed aluminum or bronze finish (anodized).

Product Code

Code	Description	Energy Usage*	Dimension (L x W x H)
XTL-1-HW/xx	Xenon Task Light, 1 Lamp	18W	9" x 4 5/8" x 1 1/2" (229mm x 113mm x 39mm)
XTL-2-HW/xx	Xenon Task Light, 2 Lamp	36W	17 1/2" x 4 5/8" x 1 1/2" (445mm x 113mm x 39mm)
XTL-3-HW/xx	Xenon Task Light, 3 Lamp	54W	26" x 4 5/8" x 1 1/2" (659mm x 113mm x 39mm)
XTL-4-HW/xx	Xenon Task Light, 4 Lamp	72W	34 1/2" x 4 5/8" x 1 1/2" (875mm x 113mm x 39mm)
XTL-5-HW/xx	Xenon Task Light, 5 Lamp	90W	38 1/2" x 4 5/8" x 1 1/2" (967mm x 113mm x 39mm)

Wiring options: Replace HW (hardwire) with PC for plug and cord version
xx = finish color: AL - Aluminum, BK - Black, BZ - Bronze, WH - White

Xenon Mini Light

Sleek design and beautiful finishes
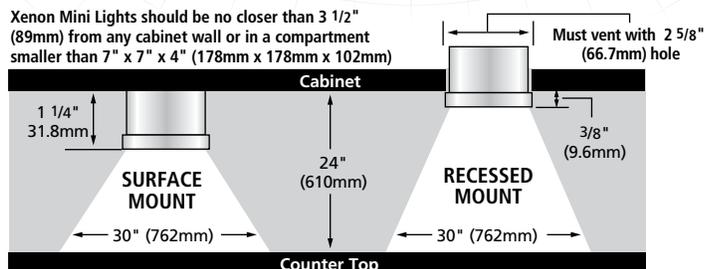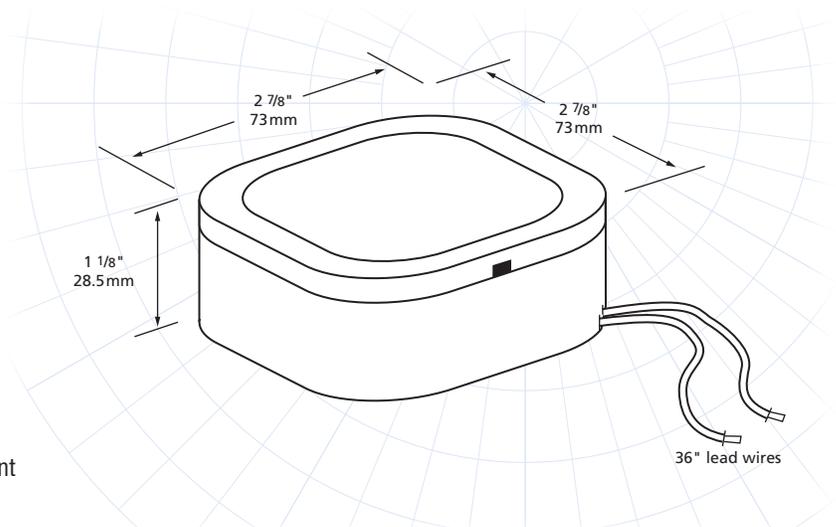combined with xenon technology.

NSL

Xenon Mini Light uses safe 12V, 18W xenon lamps that burn much cooler than halogen. Xenon lamp technology provides excellent light quality (CRI = 100) with a warm color temperature of 2750 Kelvin and long lamp life of 10,000 hours.
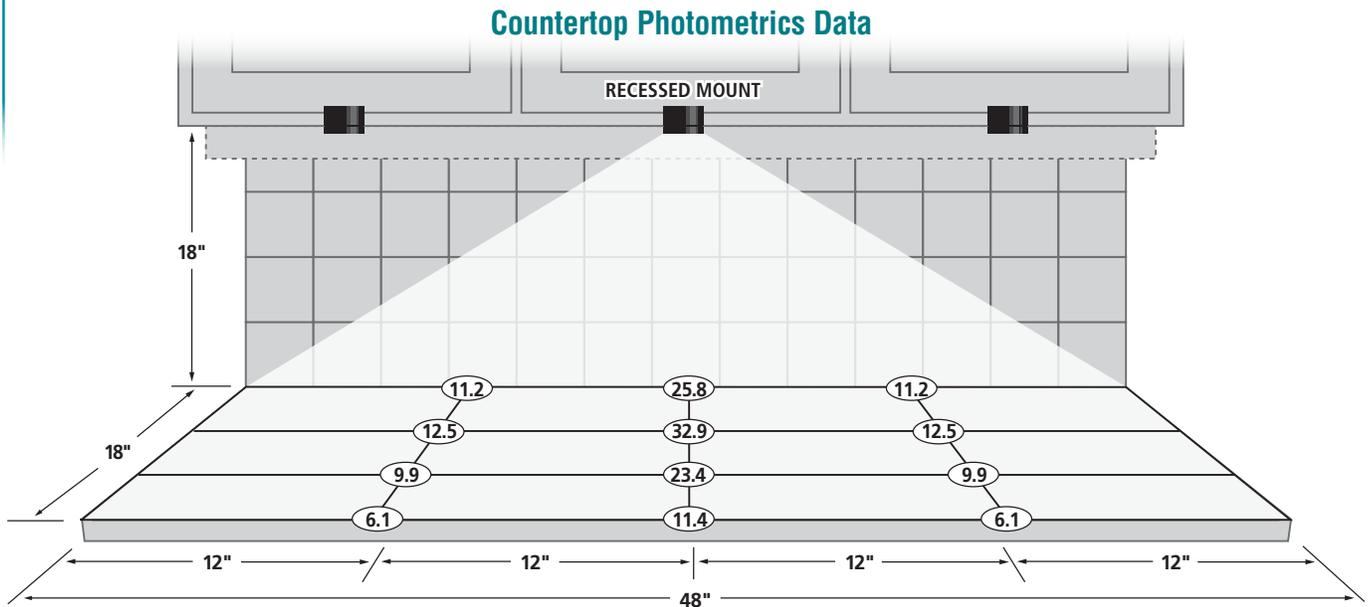
Features

✔ Safety – burns significantly cooler than halogen
✔ Low pressure lamps safer than halogen
✔ Bulbs last 4 times longer than halogen – 10,000 hours
✔ No UV rays – won't damage articles under lamp, provides a whiter, more natural light
✔ Easy relamping
✔ Fast and easy installation – Surface or recess mount
✔ Innovative design – oval shaped trim is aesthetically pleasing
✔ Available individual or 3 light kits
✔ 1 year limited warranty

Applications

• Under cabinet task light
• Kitchen task lighting
• Display cases and exhibits
• Shelf lighting
• Wall units and bars
• Office task lighting

2 7/8" 73mm

2 7/8" 73mm

1 1/8" 28.5mm

36" lead wires

Xenon Mini Lights should be no closer than 3 1/2" (89mm) from any cabinet wall or in a compartment smaller than 7" x 7" x 4" (178mm x 178mm x 102mm)

Must vent with 2 5/8" (66.7mm) hole

Cabinet

1 1/4" 31.8mm

3/8" (9.6mm)

SURFACE MOUNT

RECESSED MOUNT

24" (610mm)

30" (762mm)

30" (762mm)

Counter Top

Xenon Mini Light

Countertop Photometrics Data

RECESSED MOUNT

18"

18"

11.2	25.8	11.2
12.5	32.9	12.5
9.9	23.4	9.9
6.1	11.4	6.1

12" 12" 12" 12"

48"

X.X **Illuminance in footcandles**

Specifications

Voltage	12V
Power consumption	18W
Lead wire	36"
Maximum # of fixtures	3 with 60W transformers (TECLT-12-60) 8 with 150W transformers (TECLT-12-150)
Dimensions	2 7/8" x 2 7/8" x 1 1/8" H (73mm x 73mm x 28.5mm)
Replacement Lamp	12V, 18 W, product code XTL-BULB

Finishes

White   Aluminum

Black   Bronze

Power Supplies

Cat. No.	Input	Output	Dimension (H x W x D)	Type
TECLT-12-60	120V AC	12V, 60W	6.5" x 1.5 x 1.5" (165.1mm x 38.1mm x 38.1mm)	Electronic
TECLT-12-150	120V AC	12V, 150W	7.1" x 1.75" x 1.75" (180.34mm x 44.5mm x 44.5mm)	Electronic

Single Fixture

3 Light Kit comes with
plug in 60 watt power supply

Product Codes

XML - X - Y

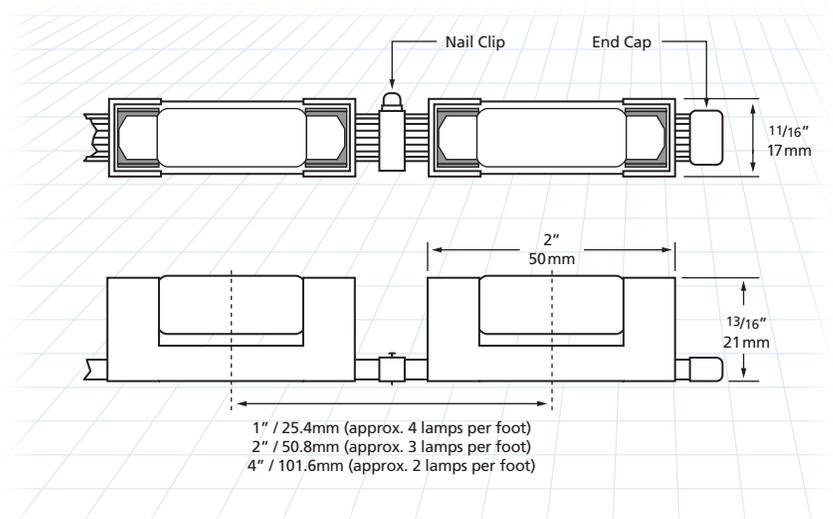| **Xenon Mini Light**	**No. of Fixtures** F - Single Fixture 3 - 3 Light Kit	**Fixture Cover** W - White B- Black Z - Bronze A - Aluminum

Xenon Britestrip

NSL's popular Britestrip provides
the ultimate in linear lighting systems.

With a bend radius of 2.25" (5.75cm), inside or outside, Xenon Brightstrip can evenly illuminate the tightest of curved surfaces. Even 90 degree corners are simple to do. Xenon Brightstrip mounts easily with 3M® double sided tape (pre-fixed to the back of each socket) or with simple to use nail clips for added security. The lamp holders have a metal reflector built in which deflects heat away from the mounting surface and reflects light onto the surface being illuminated.
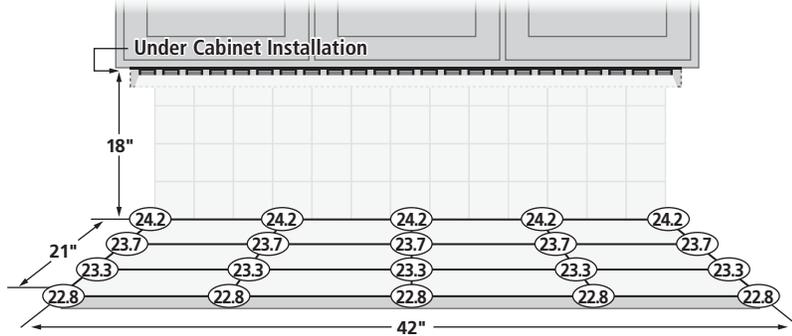
Features

✔ Safe 24V operation
✔ Flexible design allows for wide variety of applications
✔ Parallel wiring means loss of a bulb does not affect remaining strip
✔ Snap in bulb socket design for ease of installation and replacement
✔ Field cuttable
✔ Simple, safe, effective terminal blocks and covers for connecting to power
✔ Each socket has its own 3M® double sided tape for mounting
✔ Optional nail clips for wood or porous surfaces
✔ 1 year limited warranty

Nail Clip   End Cap

11/16"
17mm

2"
50mm

13/16"
21mm

1" / 25.4mm (approx. 4 lamps per foot)
2" / 50.8mm (approx. 3 lamps per foot)
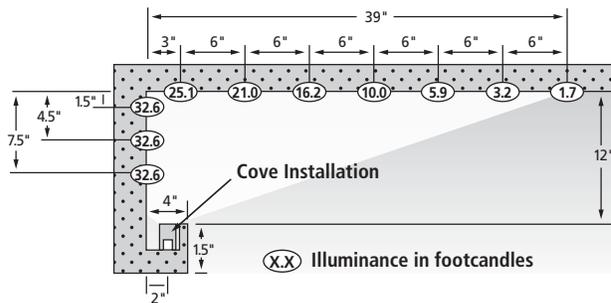4" / 101.6mm (approx. 2 lamps per foot)

Applications

• Under cabinets
• Above cabinets
• Showcase lighting
• Cove lighting
• Indirect lighting
• Sign back lighting
• Shelf lighting
• Decorative accents

NSL

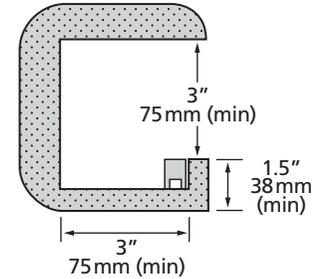## Countertop Photometrics Data
(with 5 watt Xenon bulbs)

Under Cabinet Installation

18"

21"

42"

	24.2	24.2	24.2	24.2	24.2
23.7	23.7	23.7	23.7	23.7
23.3	23.3	23.3	23.3	23.3
22.8	22.8	22.8	22.8	22.8

(X.X) **Illuminance in footcandles**

Cove Photometrics Data
(with 5 watt Xenon bulbs)

39"

3" | 6" | 6" | 6" | 6" | 6"

1.5"
4.5"
7.5"
12"

25.1 21.0 16.2 10.0 5.9 3.2 1.7

32.6
32.6
32.6

Cove Installation

4"
1.5"
2"

(X.X) **Illuminance in footcandles**

Cove Typical Installation Detail

3"
75 mm (min)

1.5"
38 mm
(min)

3"
75 mm (min)

- Dimensions shown are minimum to achieve even surface illumination using 4" (101mm) spacing.

- If using 2" spacing, minimum dimensions should be 2" (50mm).

- Cove can curve vertically or horizontally as Britestrip is flexible in both directions.

Accessories

BL-001/WH - White
BL-001/BK - Black
Assembly Kit (required to ship with every cut). Includes junction box, terminal block and end cap.
2.2"L x 1.8"W x 1"H (55.9 x 45.7 x 25.4mm)

BL-003/WH - White
BL-003/BK - Black
End caps

LW-12G/WH - White
LW-12G/BK - Black
Lead Wire

Mounting Options

Double Sided Tape on every socket

Nail Clips
BL-005/WH - White
BL-005/BK - Black

Brite Strip Reflector
BLF-4-BA, BLF-4-PB, BLF-4-GW,
BLF-4-GB
Sold in 4' lengths only. Custom cutting for pieces less than 4' available.

Brite Strip Fascia
BLFAS-4-BA, BLFAS-4-GW
Sold in 4' lengths only. Custom cutting for pieces less than 4' available.
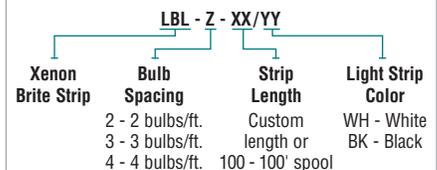
Cove Reflector
BLCOVE-4-GW
Sold in 4' lengths only. Custom cutting for pieces less than 4' available.

Power Supplies

Use "TR" or "TECLT" transformers
See page 75 and instructions for transformer specification and installation details. Maximum single run is 240 watts.

Lamps

Festoon Lamps – Xenon
Average Lamp Life (24 volt, 3W): 10,000 hours
Average Lamp Life (24 volt, 5W): 15,000 hours
Maximum Single Run: 200 watts
See price list for product codes

Product Codes

LBL - Z - XX/YY

Xenon Brite Strip	Bulb Spacing	Strip Length	Light Strip Color
	2 - 2 bulbs/ft.	Custom length or	WH - White
	3 - 3 bulbs/ft.		BK - Black
	4 - 4 bulbs/ft.	100 - 100' spool	

Xenon Brick Light

Xenon Brick Light provides a safe, attractive and affordable way to light stairs, aisles, paths and entrance ways.

NOW AVAILABLE IN STAINLESS STEEL Louver

C (UL) US
Listed
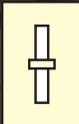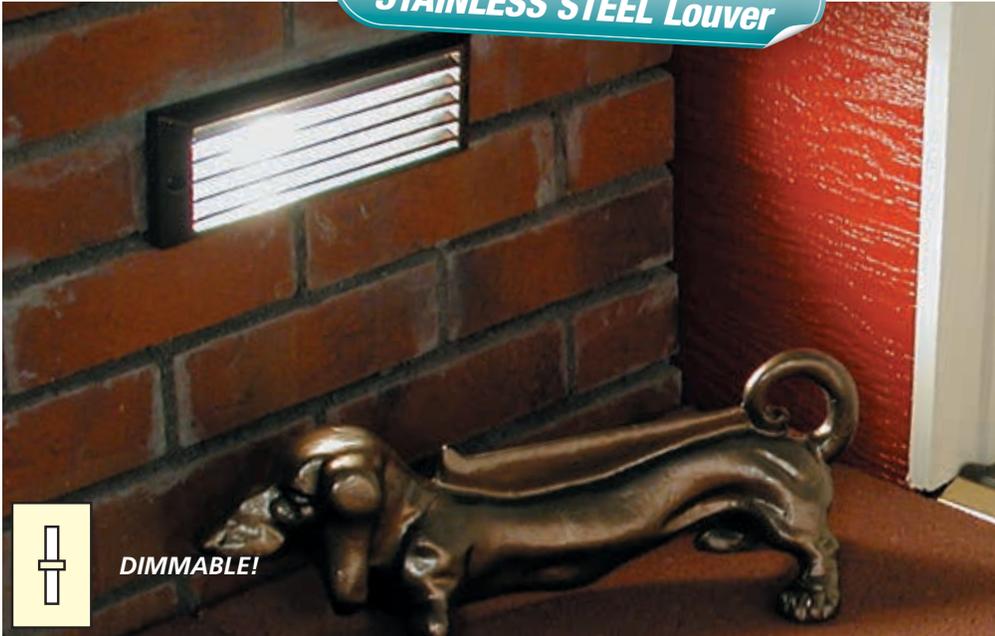
DIMMABLE!

Xenon Brick Light (XBL) comes with an 18 watt xenon lamp and has been uniquely designed to fit a standard brick void. This provides the perfect solution for those applications where a more linear fixture is required.

Both the cover and the can of the Xenon Brick Light are constructed of die cast aluminum for corrosion protection and strength. The XBL is suitable for both interior and exterior applications and comes with integral 12 volt transformer and housing for easy installation. Our concrete cap accessory makes concrete pour installations fast and easy.

Features

✔ Louver style now available in Stainless Steel
✔ Safety - burns significantly cooler than halogen
✔ Low pressure lamps are safer than halogen
✔ Easy re-lamping
✔ Easy to re-lamp
✔ Long life – 10,000 hours
✔ No harmful UV rays from lamp
✔ Fast and easy installation
✔ cUL listed for wet locations
✔ Die cast aluminum construction suitable for concrete pour installations
✔ Available in fluorocarbon lacquer can and stainless steel Louver cover for harsh locations
✔ 120 volt push in connectors for ease of power input
✔ Bulb replacement has low voltage safety (12 volt class 2 transformer in each fixture)
✔ Dimmable
✔ 1 year limited warranty

Xenon Bulb
• Burns significantly cooler than halogen
• Brighter than fluorescent
• Four times the lamp life, at half the replacement cost of 120 V halogen
• No harmful UV rays
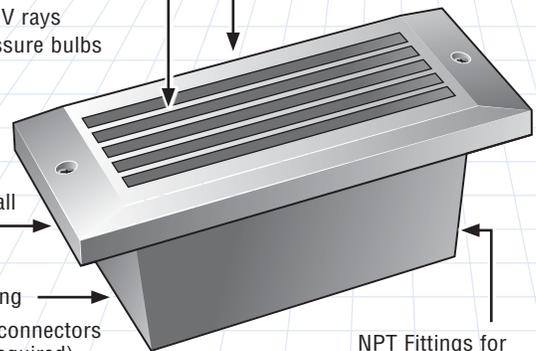• Safe low pressure bulbs

Diecast aluminum cover and can or fluorocarbon lacquer can and stainless steel cover in Louver style
• Corrosion resistant
• Suitable for concrete pour installation

Wide mounting flange works well on all surfaces, including drywall

Room for easy 120 V thru-wiring

Push-in 120 V connectors (no wire nuts required)
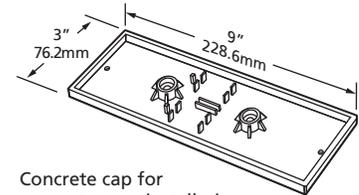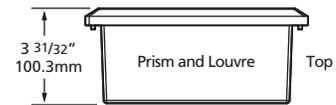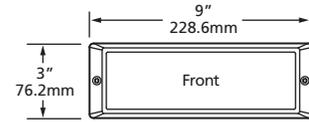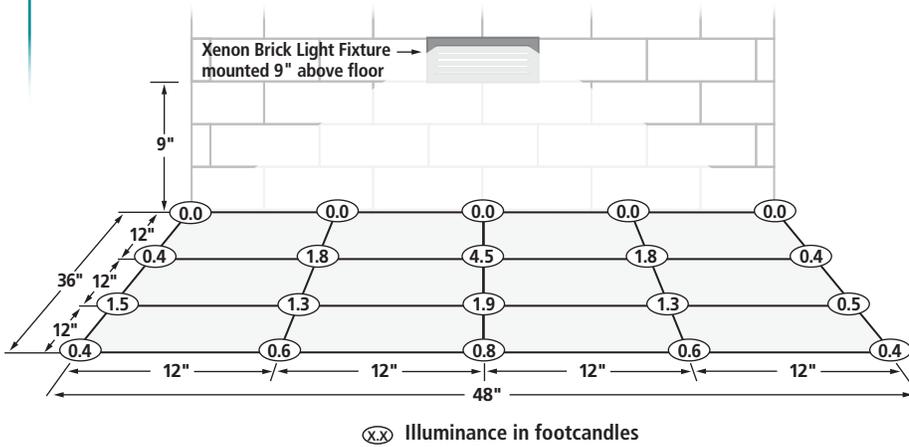
NPT Fittings for standard "Romex" input

Applications

• Interior stairs
• Exterior stairs
• Aisles
• Hallways
• Paths
• Emergency lighting
• Theaters
• Public areas
• Patios
• Decks

Anywhere that requires security or safety lighting in an aesthetically pleasing manner!

NATIONAL SPECIALTY LIGHTING

Xenon Brick Light

Floor Photometrics Data

Xenon Brick Light Fixture mounted 9" above floor

0.0	0.0	0.0	0.0	0.0
0.4	1.8	4.5	1.8	0.4
1.5	1.3	1.9	1.3	0.5
0.4	0.6	0.8	0.6	0.4

9"
12"
36" 12"
12"
12"   12"   12"   12"
48"

X.X Illuminance in footcandles

9"
228.6mm
3"
76.2mm
Front

Back

3 31/32"
100.3mm
Prism and Louvre   Top

4 23/32"
119.4mm
Scoop   Side

3"
76.2mm
9"
228.6mm

Concrete cap for concrete pour installations
Product Code: BL-CC

IMPORTANT: It is recommended that you use NSL's Concrete Cap for concrete pour installations. These caps assist in providing a proper reveal for flush mount of fixture cover after concrete is dry.

Specifications

Input Voltage	120V AC
Power Consumption	18 Watts
Average Lamp Life	10,000 hours
Color Temperature	2750K
Cover Finish	Powder Coated White, Bronze, Brushed Aluminum, Black or Stainless Steel in Louver model
Can Finish	Powder Coated White or fluorocarbon lacquer
Construction	Cover and can cast aluminum
Lens	Frosted Tempered Glass
Wiring Options	120V AC hardwire – can be daisy chained up to 66 fixtures per 15A circuit
Agency Approval	cUL listed for in wall, ceiling, wet and IC locations
Replacement Lamp	12 V, 18 W, product code XTL-BULB

Dimensions (L x W x H)

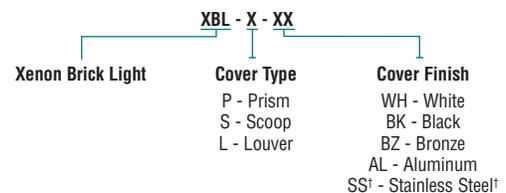| Cover Type	Cover	Can
Scoop	9" x 3" x 1 1/2" (228.6mm x 76.2mm x 38.1mm)	7 11/16" x 2 13/32" x 3 7/32" (195.6mm x 61.0mm x 81.3mm)
Prism	9" x 3" x 3/4" (228.6mm x 76.2mm x 19.1mm)	7 11/16" x 2 13/32" x 3 7/32" (195.6mm x 61.0mm x 81.3mm)
Louver	9" x 3" x 3/4" (228.6mm x 76.2mm x 19.1mm)	7 11/16" x 2 13/32" x 3 7/32" (195.6mm x 61.0mm x 81.3mm)

Cover Types and Finish

Scoop Cover

Prism Cover

Louver Cover

Stainless Steel Finish
available in Louver Cover only

White

Black

Bronze

Brushed Aluminum

Product Codes
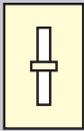
XBL - X - XX

Xenon Brick Light

Cover Type
P - Prism
S - Scoop
L - Louver

Cover Finish
WH - White
BK - Black
BZ - Bronze
AL - Aluminum
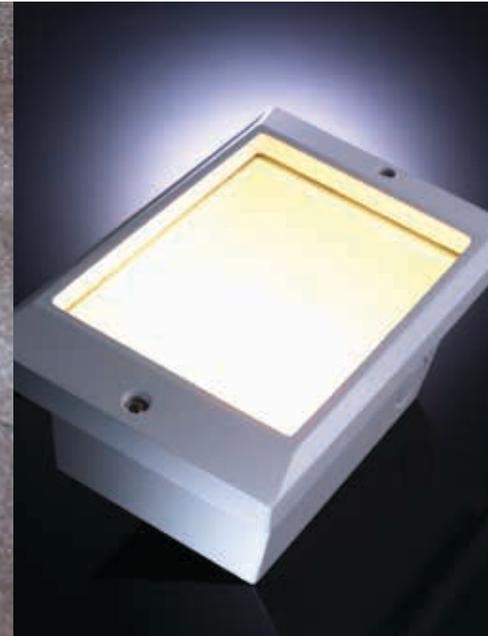SS† - Stainless Steel†

† Stainless Steel finish available in Louver cover only

Xenon Step Light

Xenon Step Light provides a safe, attractive and affordable way to light stairs, hallways and aisleways.

c(UL)us Listed

DIMMABLE!

Xenon Step Light (XSL) comes with an 18 watt xenon lamp. Xenon Step Light is made of die cast aluminum and comes with integral 12 volt transformer and housing for easy installation into walls of any construction. Our concrete cap accessory makes concrete pour installations fast and easy.

Features

✔ Safety - burns significantly cooler than halogen
✔ Low pressure lamps are safer than halogen
✔ Easy re-lamping
✔ Easy to re-lamp
✔ Long life – 10,000 hours
✔ No harmful UV rays from lamp
✔ Lamp lumen output 264 lumens
✔ Fast and easy installation
✔ cUL listed for wet locations
✔ Die cast aluminum construction suitable for concrete pour installations
✔ 120 volt push in connectors provided for ease of power input
✔ Bulb replacement has low voltage safety (12 volt class 2 transformer in each fixture)
✔ Dimmable
✔ 1 year limited warranty

Xenon Bulb
• Burns significantly cooler than halogen
• Brighter than fluorescent
• Four times the lamp life, at half the replacement cost of 120 V halogen
• No harmful UV rays
• Safe low pressure bulbs

Diecast aluminum cover and can
• Corrosion resistant
• Suitable for concrete pour installations

Wide mounting flange works well on all surfaces, including drywall

Room for easy 120 V thru-wiring

Push-in 120 V connectors (no wire nuts required)
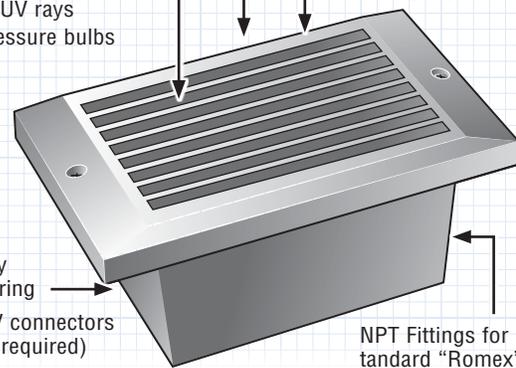
NPT Fittings for tandard "Romex" input

Applications

• Interior stairs
• Exterior stairs
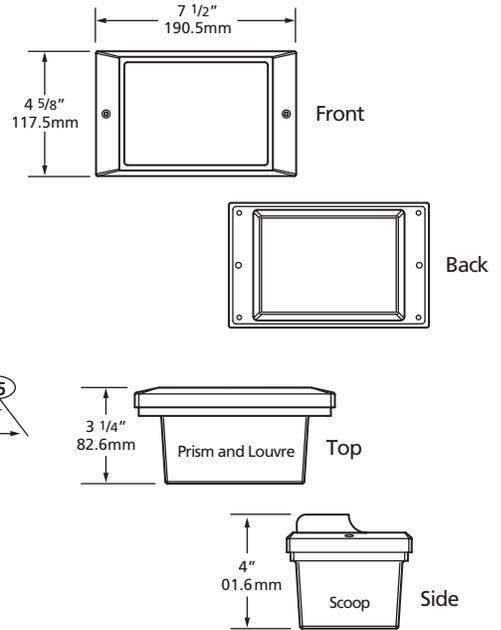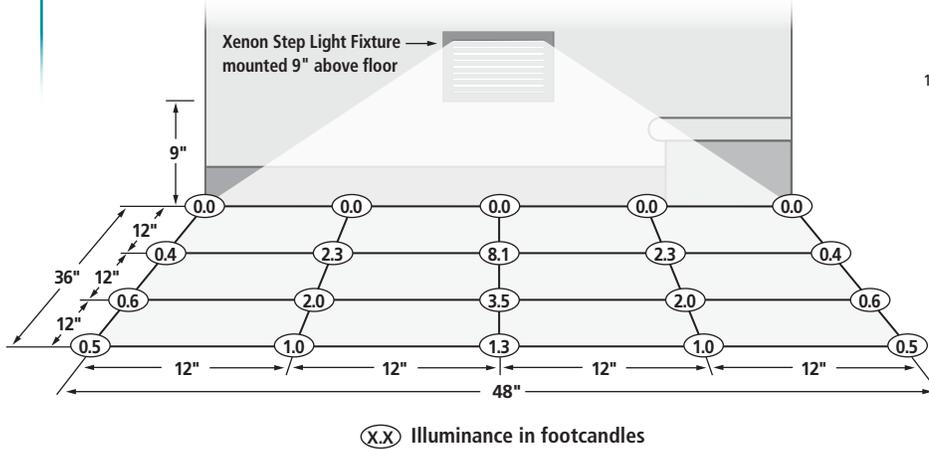• Aisles
• Hallways
• Paths
• Emergency lighting
• Theaters
• Public areas
• Patios
• Decks

Anywhere that requires security or safety lighting in an aesthetically pleasing manner!
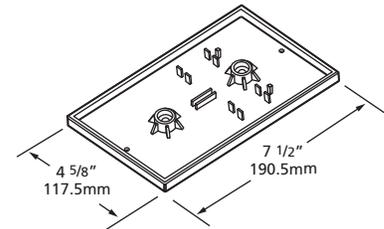
Xenon Step Light

Floor Photometrics Data

Xenon Step Light Fixture mounted 9" above floor

9"

0.0	0.0	0.0	0.0	0.0
0.4	2.3	8.1	2.3	0.4
0.6	2.0	3.5	2.0	0.6
0.5	1.0	1.3	1.0	0.5

12"
36"
12"
12"

12"   12"   12"   12"
48"

X.X Illuminance in footcandles

7 1/2"
190.5mm
4 5/8"
117.5mm
Front

Back

3 1/4"
82.6mm
Prism and Louvre
Top

4"
01.6 mm
Scoop
Side

4 5/8"
117.5mm
7 1/2"
190.5mm

Concrete cap for concrete pour installations
Product Code: SL-CC

IMPORTANT: It is recommended that you use
Magic Lite's Concrete Cap for concrete pour installations.
These caps assist in providing a proper reveal for
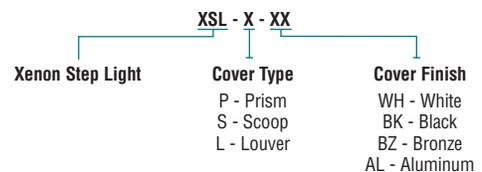flush mount of fixture cover after concrete is dry.

Specifications

Input Voltage	120V AC
Power Consumption	18 Watts
Average Lamp Life	10,000 hours
Color Temperature	2750K
Cover Finish	Powder Coated White, Bronze, Brushed Aluminum, Black
Can Finish	Powder Coated White
Construction	Cover and can cast aluminum
Lens	Frosted Tempered Glass
Wiring Options	120V AC hardwire – can be daisy chained up to 66 fixtures per 15A circuit
Agency Approval	cUL listed for in wall, ceiling, wet and IC locations
Replacement Lamp	12 V, 18 W, product code XTL-BULB

Dimensions (L x W x H)

Cover Type	Cover	Can
Scoop	7 1/2" x 4 5/8" x 1 1/2" (190.5mm x 117.5mm x 38.1mm)	5 1/2" x 4" x 2 1/2" (139.7mm x 101.5mm x 63.5mm)
Prism	7 1/2" x 4 5/8" x 3/4" (190.5mm x 117.5mm x 19.1mm)	5 1/2" x 4" x 2 1/2" (139.7mm x 101.5mm x 63.5mm)
Louver	7 1/2" x 4 5/8" x 3/4" (190.5mm x 117.5mm x 19.1mm)	5 1/2" x 4" x 2 1/2" (139.7mm x 101.5mm x 63.5mm)

Cover Types and Finish

Scoop Cover

Prism Cover

Louver Cover

White   Black   Bronze   Brushed Aluminum

Product Codes

XSL - X - XX

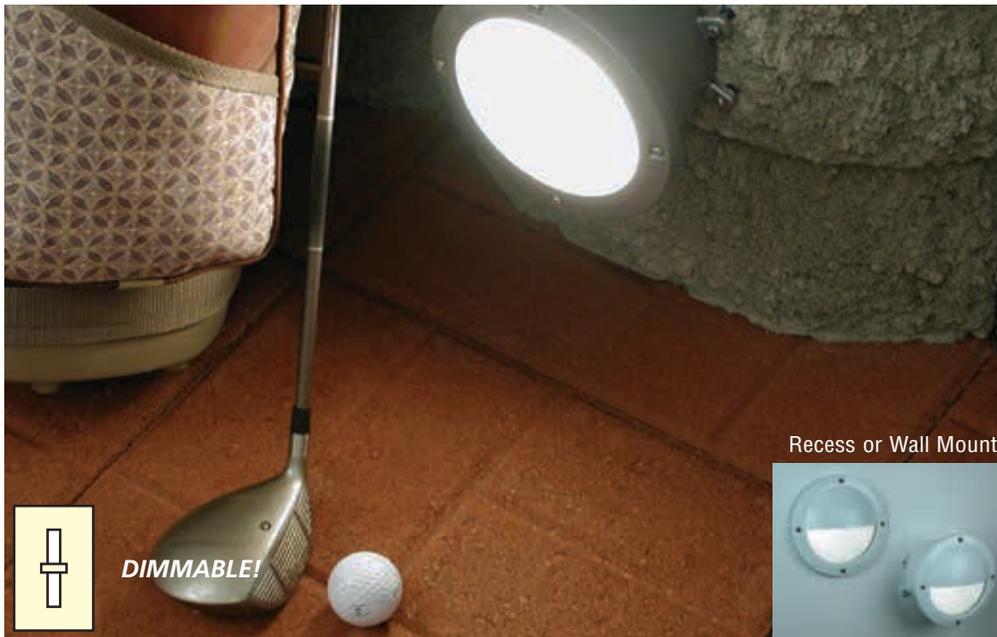| Xenon Step Light	Cover Type	Cover Finish
	P - Prism	WH - White
	S - Scoop	BK - Black
	L - Louver	BZ - Bronze
		AL - Aluminum

Xenon Wall Light

NSL

Xenon Wall Light by NSL provides a safe, attractive and affordable way to light interior and exterior steps, aisles, halls, paths, patios and entrance ways.

c (UL) us
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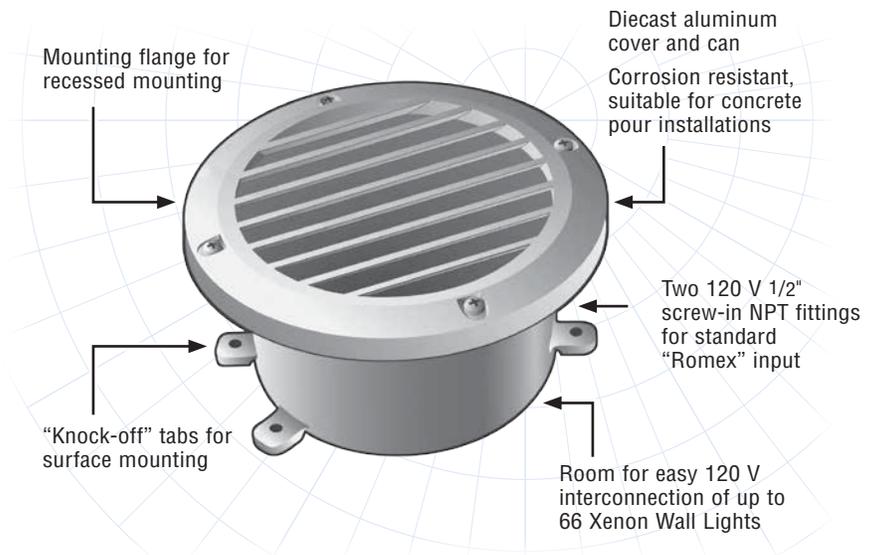

DIMMABLE!

Recess or Wall Mount

Xenon Wall Light (XWL) comes with an 18 watt xenon lamp. Both the cover and the can of the Xenon Wall Light are constructed of die cast aluminum for corrosion protection and strength. The XWL is suitable for both interior and exterior applications and comes with integral 12 volt transformer and housing for easy installation. Our concrete cap accessory makes concrete pour installations fast and easy.

There are three decorative covers to choose from: Louver, Scoop or Prism. Each cover is available in White, Black, Brushed Aluminum or Bronze.

Features

- ✔ Xenon lamps burn significantly cooler than halogen
- ✔ Brighter than fluorescent
- ✔ Four times the lamp life, at half the replacement cost of 120 V halogen
- ✔ No harmful UV rays
- ✔ Safe low pressure bulbs
- ✔ Dimmable
- ✔ cUL listed for wet and IC locations
- ✔ 1 year limited warranty
- ✔ Diecast aluminum construction suitable for concrete pour installations

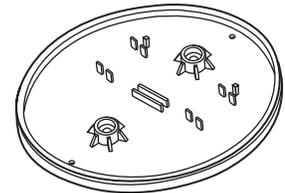Mounting flange for recessed mounting

Diecast aluminum cover and can

Corrosion resistant, suitable for concrete pour installations

Two 120 V 1/2" screw-in NPT fittings for standard "Romex" input

"Knock-off" tabs for surface mounting

Room for easy 120 V interconnection of up to 66 Xenon Wall Lights
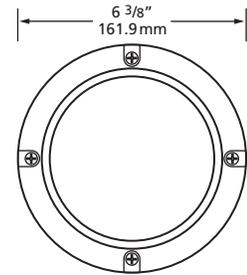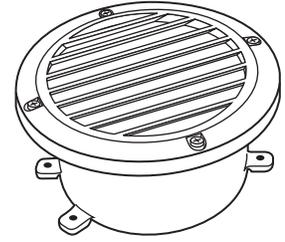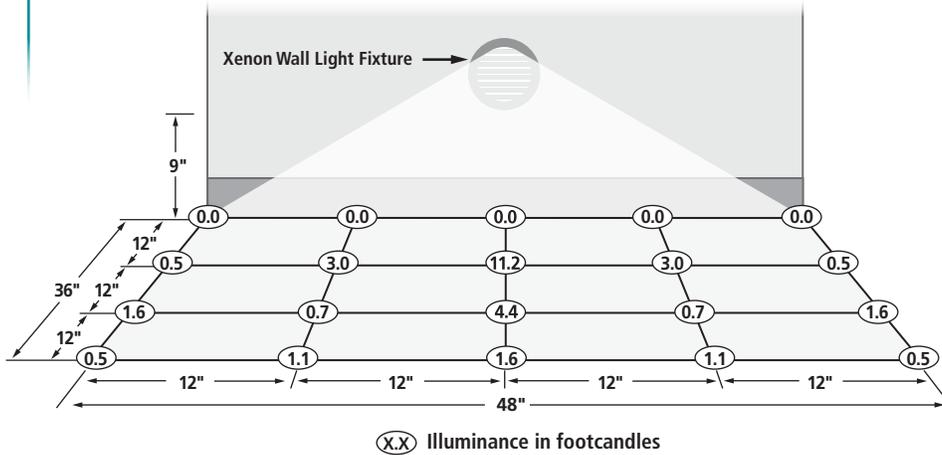
Applications

- • Interior stairs
- • Exterior stairs
- • Aisles
- • Hallways
- • Paths
- • Patios & Decks
- • Emergency lighting
- • Theatres
- • Public areas

Anywhere that requires security or safety lighting in an aesthetically pleasing manner!

Xenon Wall Light

Floor Photometrics Data

Xenon Wall Light Fixture →

9"

| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
12" |
36" 12" | 0.5 | 3.0 | 11.2 | 3.0 | 0.5 |
12" | 1.6 | 0.7 | 4.4 | 0.7 | 1.6 |
| 0.5 | 1.1 | 1.6 | 1.1 | 0.5 |

12" 12" 12" 12"
48"

(X.X) Illuminance in footcandles

6 3/8"
161.9 mm

Specifications

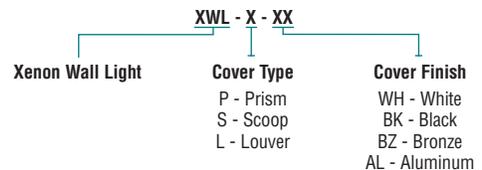|	
Input Voltage	120V AC
Power Consumption	18 Watts
Average Lamp Life	10,000 hours
Color Temperature	2750K
Cover Finish	Powder Coated White, Bronze, Brushed Aluminum, Black
Can Finish	Powder Coated White
Construction	Cover and can cast aluminum
Lens	Frosted Tempered Glass
Wiring Options	120V AC hardwire – can be daisy chained up to 66 fixtures per 15A circuit
Agency Approval	cUL listed for wet and IC locations
Replacement Lamp	12 V, 18 W, product code XTL-BULB

Concrete cap for
concrete pour installations
Product Code: WL-CC

IMPORTANT: It is recommended that you use Magic Lite's Concrete Cap for concrete pour installations. These caps assist in providing a proper reveal for flush mount of fixture cover after concrete is dry.

Dimensions (W x D)

Cover Type	Cover	Can with surface mounting tabs	Can with surface mounting tabs removed
Scoop	6.375" x 1.5" (162mm x 38.1mm)	6.25" x 3" (159mm x 76.2mm)	4.875" x 3" (124mm x 76.2mm)
Prism	6.375" x 0.625" (162mm x 16mm)	6.25" x 3" (159mm x 76.2mm)	4.875" x 3" (124mm x 76.2mm)
Louver	6.375" x 0.75" (162mm x 19mm)	6.25" x 3" (159mm x 76.2mm)	4.875" x 3" (124mm x 76.2mm)

Cover Types and Finish

Scoop Cover   **Prism Cover**   **Louver Cover**

White   Black   Bronze   Brushed Aluminum

Product Codes

XWL - X - XX

| Xenon Wall Light	Cover Type	Cover Finish
	P - Prism	WH - White
	S - Scoop	BK - Black
	L - Louver	BZ - Bronze
		AL - Aluminum

Galaxy Fiber Optic System

NSL

Fiber optic cables transmit light from a LED or Halogen illuminator for a sparkling overhead light show.

Galaxy Fiber Optic Systems are comprised of a fiber optic illuminator with a LED or Halogen light source, 12' long, 1.0mm dia. clear acrylic fibers, and acrylic panels or existing ceiling/wall covering drilled to accept the fibers. Fiber optic illuminators ship with a black/white wheel for a twinkling star night effect, and a color wheel for a kaleidoscope effect. Standard acrylic panels fit into a 2' x 2' or 2' x 4' drop ceiling. Custom panel sizes are available, up to a maximum 4' x 8' panel.

Features

✔ Four illuminator choices
✔ New LED illuminator has 85% energy savings vs. similar Halogen model
✔ No electricity or heat at the point of illumination
✔ Fiber optic cable is durable, There is nothing to break or burn out
✔ No UV rays at the point of illumination
✔ Easy remote maintenance
✔ ETL listed for indoor dry locations

Illuminator

110 V
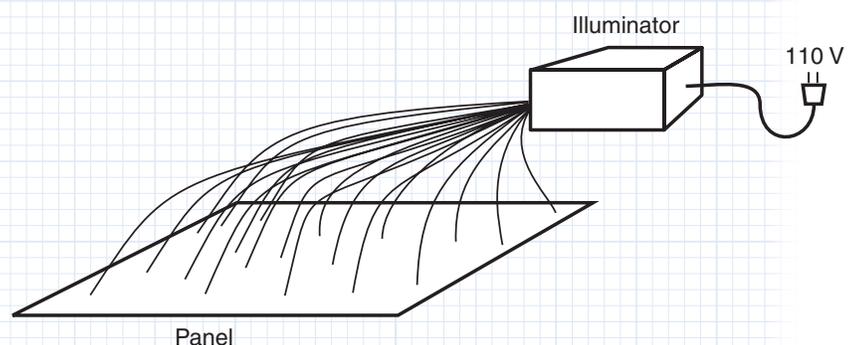
Panel

Applications

- Dining Rooms
- Bedrooms
- Bathrooms
- Entryways
- Living Rooms
- Entertainment Rooms
- Visual Merchandising
- Exhibit Projects

Galaxy Fiber Optic System

Specifications

"Galaxy Fiber Optic Panel Systems" incorporates our own "clear nite" background panel. The "clear nite" background is a 3/16" gloss or matte black acrylic panel whose highly reflective surface allows for depth and multiple light point representation. Optional matte finish on plexiglass panels diffuses possible reflections from ambient room illumination.

Standard "clear nite" panels are 2' x 2' or 2' x 4' and fit into standard drop ceilings. Custom sizes are available. Our "star point" fibers can also be placed into any other medium of approximately 1" or less width for custom applications (i.e., wood or standard ceiling tiles). See instructions for complete specifications and installation details at www.magiclite.com

Not dimmable. One year warranty.

GP-5-12 Interior showing
5 watt LED MR-16 bulb

Illuminator Options

GP-5-12
LED Illuminator with a harness of 300 Fibers in a 12' length. 5 watt LED bulb. 7" x 5.5" x 5.75".

GP-35B-12
Illuminator with a harness of 160 Fibers in a 12' length. 35 watt Halogen bulb. 7" x 5.5" x 5.75".

GP-50-12
Illuminator with a harness of 300 Fibers in a 12' length. 50 watt Halogen bulb. 11" x 5.5" x 5.75".

GP-75-12
Illuminator with a harness of 400 Fibers in a 12' length. 75 watt Halogen bulb. 11" x 5.5" x 5.75".

Point-to-point acrylic fibers transmit light from the illuminator to a gloss or matte black panel. Black and white wheel create a "twinkling" effect. Color wheel is a kaleidoscope effect.

Four illuminator choices

110 V

Illuminator

Green Stickers
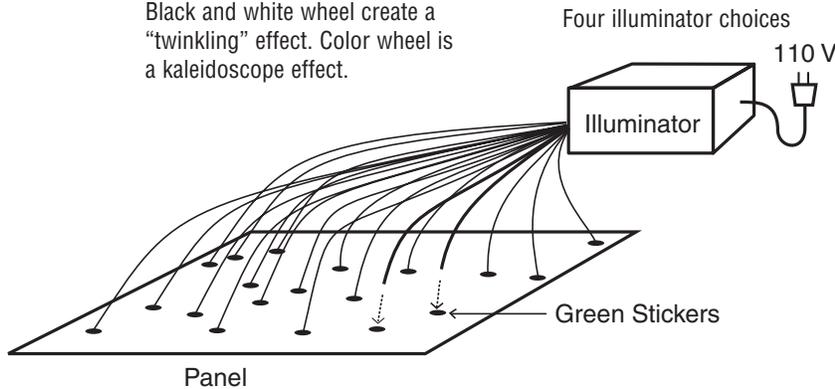
Panel

- Standard 2' x 2' and 2' x 4' panels pre-cut to fit in drop ceilings
- Custom cut panels for special applications
- Gloss and matte panel finish options

Panel Options

2' x 2'
Gloss = GP-P-2
Matte = GP-P-2-M
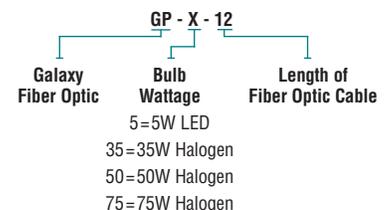
2' x 4'
Gloss = GP-P-4
Matte = GP-P-4-M

Custom = Any dimension up to a 4' x 8' panel
Contact distributor for quote

Illuminator	Fiber Length	Number of Fibers	Maximum Panels/Area	Maximum Fibers/Sq.Ft.	Total Fixture Wattage
GP-35B-12	12'	160	(3) 2'x4' / 24 sq. ft.	6.7	55
GP-50-12	12'	300	(4) 2'x4' / 32 sq. ft.	9.4	70
GP-5-12	12'	300	(4) 2'x4' / 32 sq. ft.	9.4	10
GP-75-12	12'	400	(4) 2'x4' / 32 sq. ft.	12.5	95

All illuminators ETL Listed for indoor use only.
Note: Standard 2x4 panels are pre - drilled with 70 holes.

Product Codes

GP - X - 12

Galaxy Fiber Optic

Bulb Wattage

Length of Fiber Optic Cable

5 = 5W LED
35 = 35W Halogen
50 = 50W Halogen
75 = 75W Halogen

Transformers

MAGNETIC   ETL listed indoor and outdoor

TR-12-150
10" x 3.1" x 3"
1 circuit at 150 watts for 12V AC

TR-12-240
10" x 4.25" x 3.6"
1 circuit at 240 watts for 12V AC

TR-12-300 or TR-24-300
10" x 4.25" x 3.6"
2 circuits at 150 watts each for 12V AC
1 circuit at 300 watts for 24V AC

TR-12-480 or TR-24-480
11.1" x 4.75" x 4.25"
2 circuits at 240 watts each for 12V AC
1 circuit at 480 watts for 24V AC

TR-24-600
11.1" x 4.75" x 4.25"
2 circuits at 300 watts each for 24V AC

TR-24-960
12.5" x 7.0" x 4.75"
2 circuits at 480 watts each for 24V AC

ELECTRONIC   UL listed as a component ("RU" Marking). Check your fixture listing for acceptability. All connections must be made per fixture listing and NEC. 120V AC input/11.6V AC output.

TER-12-60/W (white)
TER-12-60/B (black)
3.5" x 1.5" x 1"
1 circuit at 60 watts, class 2,
for 11.6V AC

TE-12-80
2.125" x 1.25" x 0.75"
1 circuit at 80 watts for 11.6V AC

TE-12-105
3.0" x 1.25" x 0.75"
1 circuit at 105 watts for 11.6V AC

TE-12-150
4.0" x 1.6" x 1"
1 circuit at 150 watts for 11.6V AC

ELECTRONIC   ETL listed as a stand aloone power supply ("ETL" Marking). Each transformer is enclosed in a painted steel enclosure with 1/2" knockouts for the incoming 120V AC and the 11.7V AC output.

TECLT-12-60
6.5" x 1.5" x 1.5"
Class 2, 1 circuit at 60 watts,
for 11.7V AC

TECLT-12-150
7.1" x 1.75" x 1.75"
1 circuit at 150 watts for 11.7V AC

NOTE:
- All transformer and LED driver dimensions are Length x Width x Height
- All transformer dimensions are of enclosure including mounting flanges and included strain relief
- All transformers should be totally enclosed, and must ventilate
- All LED drivers, dimmers and transformers carry a two year warranty

Making Your Ideas A Reality

In business for 30 years, NSL is a strong leader in architectural and decorative lighting. Our product range includes the latest in LED technology, fiber optics and traditional lighting products which cover a vast range of applications. Products are stocked in our Buffalo, NY warehouse and our stocking electrical distributor partners across the U.S.A. assure prompt delivery of products to the job site. Our dedicated inside sales and support staff and highly professional national sales force are here to serve you.

NSL

Mission Statement

NSL is dedicated to be a leader in providing quality innovative lighting solutions for our customers. Continuous attention to professionalism, efficiencies and ethics will allow our team to accomplish our goals in a profitable manner. Improvement is constant!

WARRANTY

National Specialty Lighting (NSL) warrants this lighting system to be free from defects in material and/or workmanship, under normal use and service, for a period of ONE YEAR (TWO YEARS to FIVE YEARS for LED products) from the date of original purchase. Please note that incandescent/xenon lamps are EXCLUDED from this warranty.

In the event of a defect in material or workmanship during the warranty period, NSL will repair or replace (at its option) your Lighting System under the conditions of warranty. NSL will do this at its expense for the cost of materials but not for shipping. THIS REMEDY IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY AND ALL CLAIMS RELATING TO ANY BREACH OF WARRANTY BY NSL.

LIMITATIONS, EXCLUSIONS AND OTHER RIGHTS

A. Except as provided herein, NSL makes no other warranties express or implied, including but not limited to the implied warranties or merchantability or fitness for a particular purpose, and all such warranties are expressly disclaimed.

B. In no event shall NSL be liable for indirect, incidental or consequential damages, even if NSL has been advised of the possibility of such damage. This disclaimer applies during and after warranty period.

C. NSL is not responsible for malfunctions in and/or damage to Lighting Systems where a sale is specifically made without warranty. In such an event the disclaimers of warrant and liability, set forth above, shall continue to apply.

D. This warranty covers normal consumer use and does not cover damage which occurs during shipment or failure which results from alteration, accident, theft, misuse, abuse, abnormal use, negligent installation, improper maintenance or where adequate care has not been taken to prevent ice or snow damage to the lighting system.

E. Specifically, when installing mini disc lights in harsh environments such as limestone, salted areas, coastal environments etc. Please use the stainless steel version to avoid the risk of corrosion to body of fixture and voiding warranty.

If you discover a defect or malfunction during the period to which this warranty applies, call or email NSL for information or to receive warranty service.

Note: You must contact our office for a RETURN GOODS AUTHORIZATION number before returning product. After inspection it will be determined whether a credit is due.

LED Tape Light   LED eSTRIP   LED Globe Light

LED Wedge Light   LED Hard Strip   LED Thin Star

LED Mini Star II   LED Puck Lights   LED Disc Light

LED MiniDisc Light   LED Britestrip   Thin-line LED Down

LVL-DL Down Light Surface/Recessed Down Light   LED Sco

LED Step Star   LED Brick Star   LED Task Star

LED Wall Sconce   Low Voltage Flood Light

LED High Power Flood Light   Xenon Task Light

Xenon Mini Light   Xenon Britestrip   Xenon Brick Ligh

Xenon Step Light   Xenon Wall Light   Tokistar

Galaxy Fiber Optic Ceiling Systems   LED Tape Light

LED   ED Globe Light   LED Wedge Light

NSL

NATIONAL SPECIALTY LIGHTING

LED Hard Strip   LED Thin Star   LED Mini Star II

2299 Kenmore Avenue
Tanawonda, New York 14207

Tel 800-527-2923
Fax 800-527-4358

www.nslusa.com

LED Mini Star II   LED Puck Lights   LED Disc Light