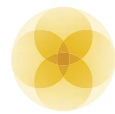


AMBIANCE<sup>®</sup>  
Lighting Systems

[ambiance-lighting.com](http://ambiance-lighting.com)





## AMBIANCE<sup>®</sup>

Lighting Systems

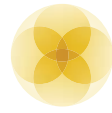
At Ambiance<sup>®</sup> Lighting Systems we are focused on engineering and producing high quality, easy to install, completely configurable lighting systems for use in residential, commercial and architectural applications.

No matter whether you are an experienced lighting professional or a first time home owner, our systems are designed to be easily configured and installed for just the right lighting effect. We introduced the first low-voltage undercabinet lighting system in 1993 and continue our innovation with the launch of this new catalog.









# AMBIANCE

Lighting Systems

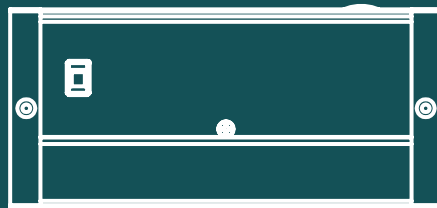
SELF-CONTAINED LIGHTING	4
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# SELF-CONTAINED LIGHTING

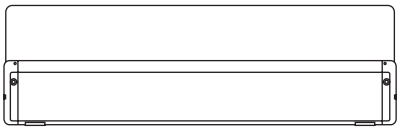




## SELF-CONTAINED LIGHTING

Self-contained, under cabinet lighting is a great supplement to the standard overhead lighting found in most kitchens, offices or retail spaces. At brighter levels it offers extra illumination for key tasks like food preparation, reading or showcasing product. At lower levels it can be a wonderful accent when you are trying to set just the right mood for entertaining or unwinding at the end of the day.

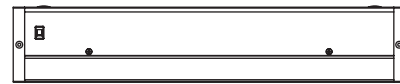
### SELECT YOUR SYSTEM



#### **GLYDE 120V LED**

The edge-lit Glyde undercabinet is the most advanced option for undercabinet lighting from Ambiance. Available in 5 different lengths, 2 finishes and 2 color temperature options, the Glyde offers multiple options for transformer-free, LED under cabinet lighting. With plug-in connectors for power and linking multiple units together installations are quick and free of the hassles of hardwiring.

P. 8



#### **ACCLUSO 120V LED**

The mid-priced Accluso offers generous light output from a sleek design. Available in 4 different lengths, 2 finishes and 2 color temperature options, the Accluso offers multiple options for transformer-free, LED undercabinet lighting. With plug-in connectors for power and linking multiple units together installations are quick and free of the hassles of hardwiring.

P. 12



## DESIGN GUIDELINES

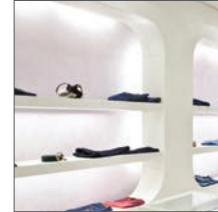
Ambiance® Self-Contained Lighting offers a variety of 120V LED systems to complement any application be it for a residential kitchen or for illuminating shelving in a retail setting. Each system comes in multiple lengths and features quick connects for powering via a wall outlet, knock-outs for hardwiring and the capability to easily link multiple units together.



UNDER  
CABINET

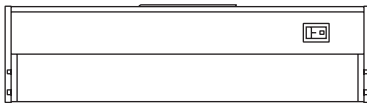


TASK



RETAIL  
SHELVING

## SELECT YOUR SYSTEM



### VIVID 120V LED

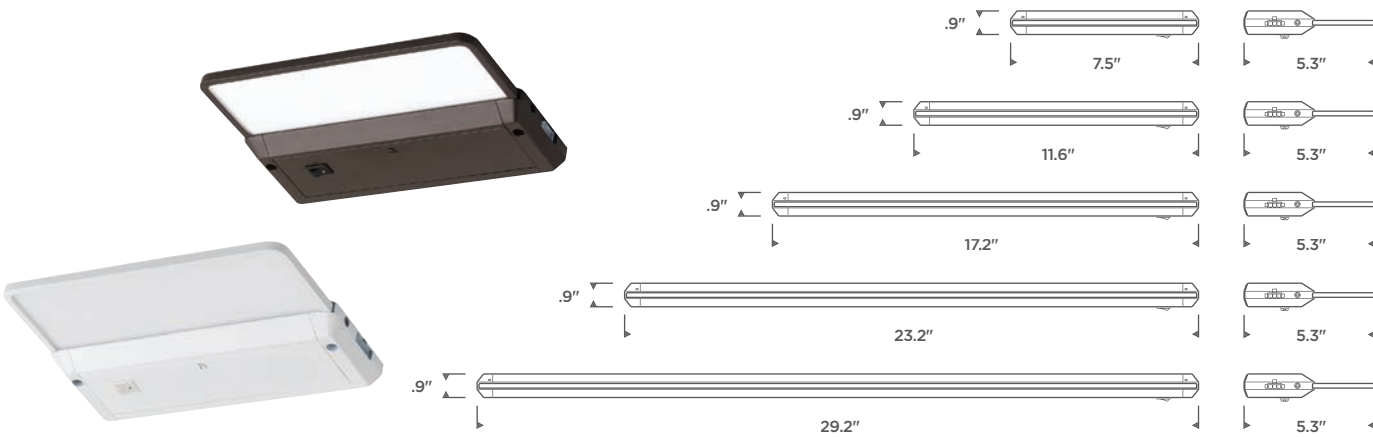
The entry-level Vivid LED undercabinet features great performance and an affordable price point. Available in 5 lengths and both 2700K or 3000K color temperatures. Can be powered via wall outlet with option power cable or hard-wired with romex cable through knock-outs on back of unit.

P. 14

# 1 CHOOSE FIXTURES

## GLYDE 120V LED

The edge lit Glyde Self Contained task light is the next generation of undercabinet lighting from Ambiance Lighting Systems, an innovator in undercabinet lighting systems since 1993. The new Glyde combines sleek design and superior technology into one, compact unit that is fully dimmable and easy to install and link to other units. The advanced light guide technology used in these units, generates a uniform glow of light without the multiple shadows or pixilation seen with other LED task lights. Also, with local on-off switches and convenient plug-n-play design, the Glyde can be easily installed without an electrician; just plug the unit into the wall and link as many units together as needed to light your kitchen counters.



## ORDERING GRID

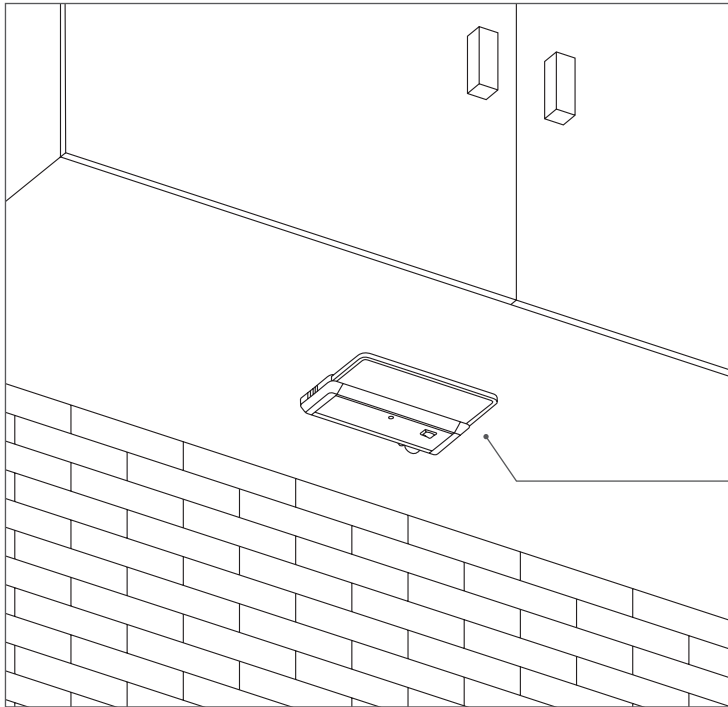
2700K	98870S(-xx)	98872S(-xx)	98874S(-xx)	98876S(-xx)	98878S(-xx)
3000K	98871S(-xx)	98873S(-xx)	98875S(-xx)	98877S(-xx)	98879S(-xx)
FINISH	(-15) White and (-171) Antique Bronze				
LENGTH	7.5"	12"	18"	24"	30"
VOLTAGE	120v AC				
DELIVERED LUMENS (@ 3000K)	300	675	900	1275	1670
POWER CONSUMPTION	6w	11.8w	15.7w	22.3w	28.3w
EFFICACY	49.9 lm/w	57.3 lm/w	57 lm/w	57 lm/w	59 lm/w
COLOR RENDERING INDEX	90 CRI				
RATED AVERAGE LIFE	50,000 hours to 70%				
DIMMING RANGE <sup>(1)</sup>	Down to 10%				
INSTALLATION	Hard wire or plug in with cord accessory. Join together with connector cords.				
CERTIFICATION	ETL				
ENERGY STAR®	Yes				

<sup>(1)</sup> The Self-Contained Glyde is dimmable with a standard incandescent or electronic low voltage (ELV) dimmer. See page 108 for more on dimming. When sizing dimmer consult with the dimmer manufacturer for information on de-rating the dimmer for in-rush current. See Ambiance-Lighting.com for additional photometric data.



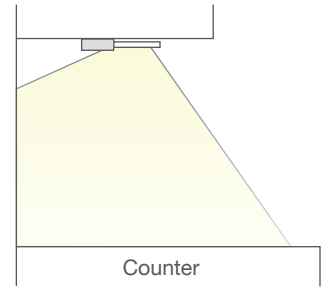
# CHOOSE FIXTURES

## PLACEMENT OF FIXTURE

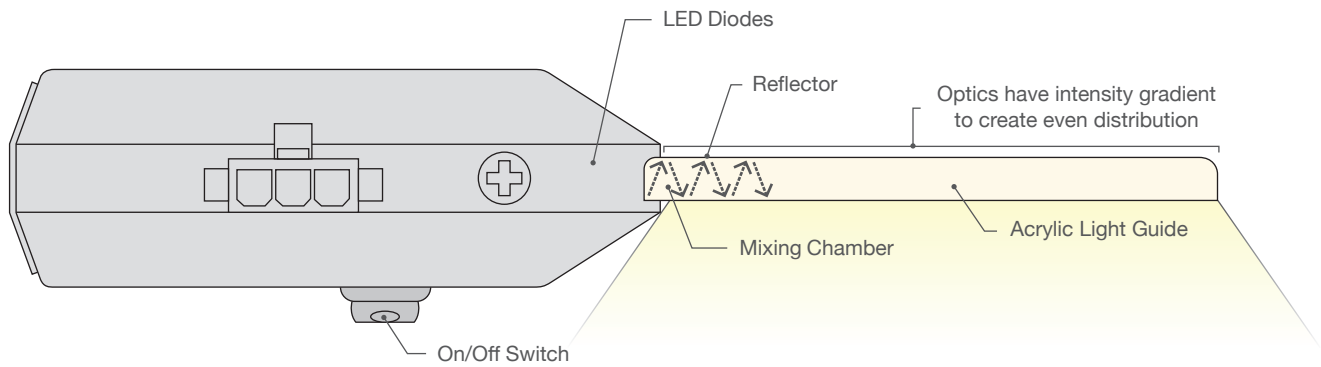


Center between cabinet front and wall with lens facing forward

SIDE VIEW



## PROFILE VIEW OF MODULE



SELF-CONTAINED LIGHTING

## SELECT GLYDE ACCESSORIES

**24" POWER CORD**

For plug-in installs where Glyde, Accluso or Vivid 120V LED undercabinet fixtures will be powered via a wall outlet.

**98274S-12**, black finish  
**98274S-15**, white finish

L: 24"

**72" POWER CORD**

For plug-in installs where Glyde, Accluso or Vivid 120V LED undercabinet fixtures will be powered via a wall outlet.

**98275S-12**, black finish  
**98275S-15**, white finish

L: 72"

**3" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98270S-12**, black finish  
**98270S-15**, white finish

L: 3"

**6" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98271S-12**, black finish  
**98271S-15**, white finish

L: 6"

**12" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98272S-12**, black finish  
**98272S-15**, white finish

L: 12"

**18" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98273S-12**, black finish  
**98273S-15**, white finish

L: 18"

**MALE TO MALE CONNECTOR**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence with no gap in between units.

**98276S-12**, black finish  
**98276S-15**, white finish

L: 1" W: 0.75" H: 0.5"

**FEMALE TO FEMALE CONNECTOR**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet power and connector cord or two connector cords for longer runs.

**98277S-12**, black finish  
**98277S-15**, white finish

L: 2.5" W: 0.75" H: 0.5"

**OCCUPANCY SENSOR**

Automatically activate your undercabinet lighting when you are in a space and save electricity when you aren't with this new sensor for the Glyde, Accluso and Vivid undercabinet lighting systems from Ambiance Lighting.

**910010-12**, black finish  
**910010-15**, white finish

L: 5" W: 2.75" H: 1"

**MASTER DIMMING SWITCH**

Utilize this master dimmer to control a run of multiple Glyde, Accluso or Vivid 120V LED fixtures with one control. With this dimmer you get the convenience of dimming and turning on/off the entire chain of connected fixtures without having to wire anything in the wall.

**910011-12**, black finish  
**910011-15**, white finish

L: 4.5" W: 2.75" H: 1"



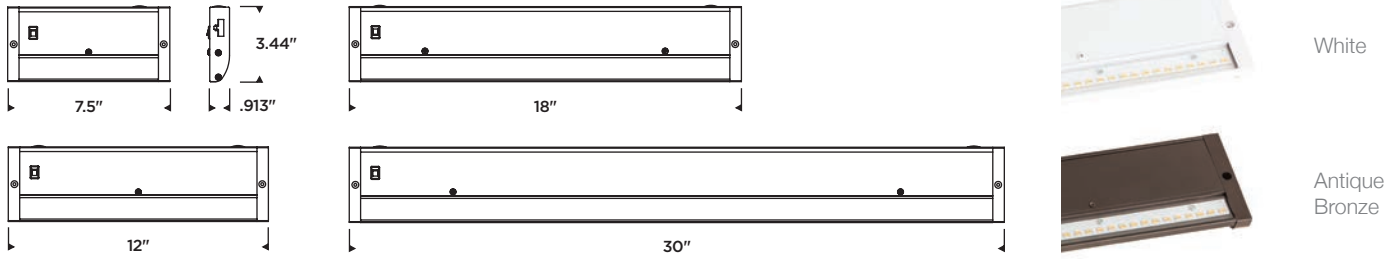




SELF-CONTAINED LIGHTING

# 1 CHOOSE FIXTURES

## ACCLUSO 120V LED



ITEM NUMBER	98260S(-xx)	98261S(-xx)	98262S(-xx)	98263S(-xx)	98264S(-xx)	98265S(-xx)	98266S(-xx)	98267S(-xx)
FINISH	(-15) White and (-171) Antique Bronze							
LENGTH	7.5"	7.5"	12"	12"	18"	18"	30"	30"
COLOR TEMPERATURE	2700K	3000K	2700K	3000K	2700K	3000K	2700K	3000K
VOLTAGE	120v							
DELIVERED LUMENS	400	400	650	650	975	975	1625	1625
POWER CONSUMPTION	4.8w	4.8w	7.7w	7.7w	11.5w	11.5w	19.2w	19.2w
EFFICACY	83	83	84	84	85	85	85	85
COLOR RENDERING INDEX	>90 CRI							
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMING RANGE <sup>(1)</sup>	Yes to 5%							
MATERIAL	Low profile, self-cooling aluminum housing with local on/off switch, clear acrylic lens							
CERTIFICATION	cETL Listed for Dry Locations							

<sup>(1)</sup> The Accluso is dimmable with standard incandescent or electronic low voltage (ELV) dimmers. See page 108 for more on dimming. When sizing dimmer consult with the dimmer manufacturer for information on de-rating the dimmer for in-rush current.  
See Ambiance-Lighting.com for additional photometric data.

## PHOTOMETRICS<sup>(2)</sup>

### ZONAL LUMEN SUMMARY

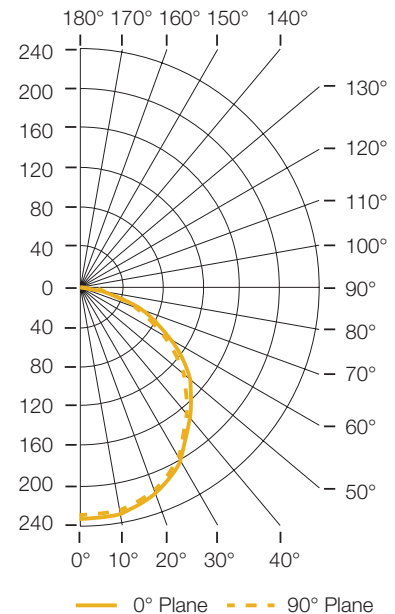
ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	182.2	28.6
0° – 40°	299.2	47
0° – 60°	526.9	82.8
0° – 90°	636.3	100
90° – 180°	0	0
0° – 180°	636.3	100

<sup>(2)</sup> Photometry based on (1) 98263S(-xx) 12" length LED Light in 3000K CCT

### AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	234	234	234
45°	162	159	155
55°	126	121	119
65°	83	77	77
75°	39	34	11
85°	5	2	2

### POLAR CANDELA CHART



## SELECT ACCLUSO ACCESSORIES

**24" POWER CORD**

For plug-in installs where Glyde, Accluso or Vivid 120V LED undercabinet fixtures will be powered via a wall outlet.

**98274S-12**, black finish  
**98274S-15**, white finish

L: 24"

**72" POWER CORD**

For plug-in installs where Glyde, Accluso or Vivid 120V LED undercabinet fixtures will be powered via a wall outlet.

**98275S-12**, black finish  
**98275S-15**, white finish

L: 72"

**3" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98270S-12**, black finish  
**98270S-15**, white finish

L: 3"

**6" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98271S-12**, black finish  
**98271S-15**, white finish

L: 6"

**12" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98272S-12**, black finish  
**98272S-15**, white finish

L: 12"

**18" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98273S-12**, black finish  
**98273S-15**, white finish

L: 18"

**MALE TO MALE CONNECTOR**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence with no gap in between units.

**98276S-12**, black finish  
**98276S-15**, white finish

L: 1" W: 0.75" H: 0.5"

**FEMALE TO FEMALE CONNECTOR**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet power and connector cord or two connector cords for longer runs.

**98277S-12**, black finish  
**98277S-15**, white finish

L: 2.5" W: 0.75" H: 0.5"

**OCCUPANCY SENSOR**

Automatically activate your undercabinet lighting when you are in a space and save electricity when you aren't with this new sensor for the Glyde, Accluso and Vivid undercabinet lighting systems from Ambiance Lighting.

**910010-12**, black finish  
**910010-15**, white finish

L: 5" W: 2.75" H: 1"

**MASTER DIMMING SWITCH**

Utilize this master dimmer to control a run of multiple Glyde, Accluso or Vivid 120V LED fixtures with one control. With this dimmer you get the convenience of dimming and turning on/off the entire chain of connected fixtures without having to wire anything in the wall.

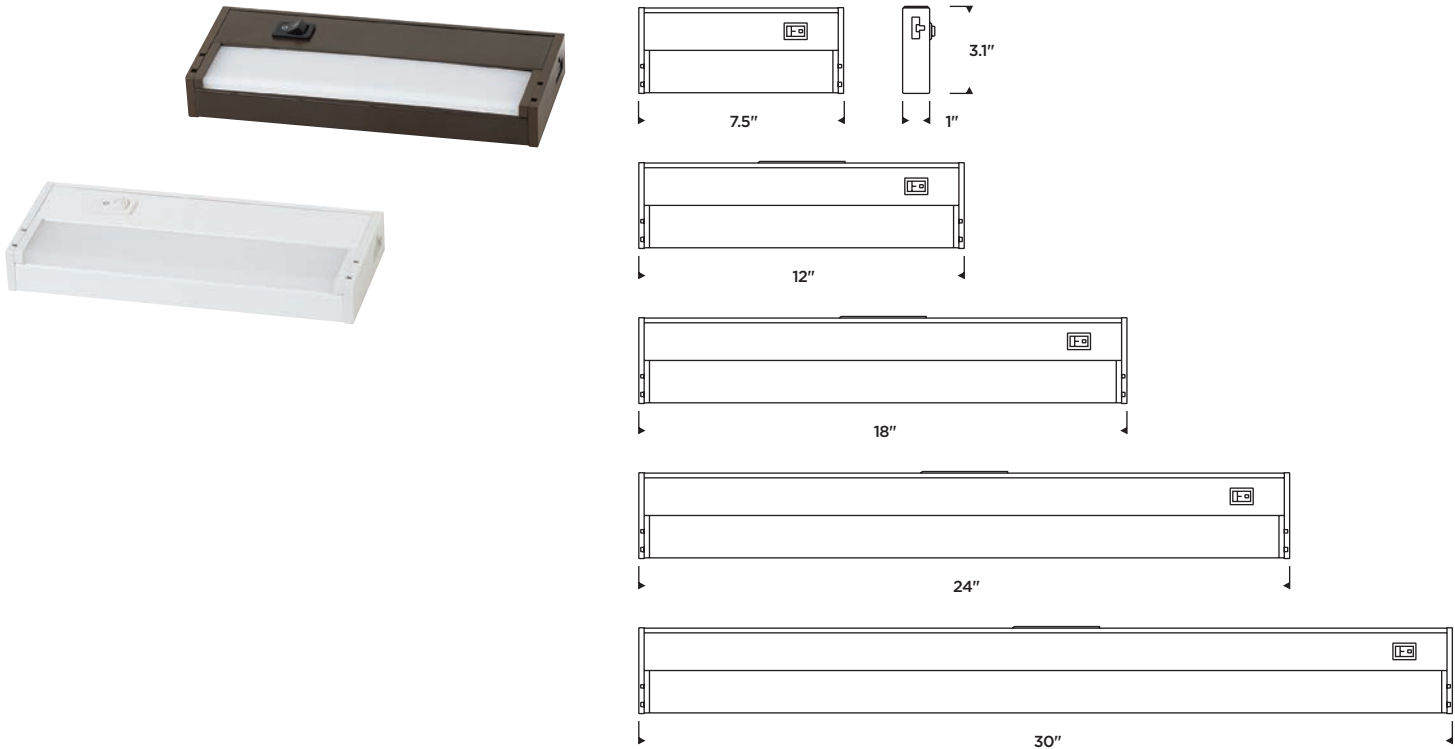
**910011-12**, black finish  
**910011-15**, white finish

L: 4.5" W: 2.75" H: 1"



## VIVID 120V LED

The Vivid LED undercabinet series takes the classic xenon or fluorescent undercabinet light to the next level. Using high quality LED technology, these fixtures achieve great light output and a high level of energy efficiency at an extremely affordable price point. With local on/off switches and the ability to be dimmed down to 10% these fixtures work well for different activities or times of day.



## ORDERING GRID

2700K	910000(-xx)	910002(-xx)	910004(-xx)	910006(-xx)	910008(-xx)
3000K	910001(-xx)	910003(-xx)	910005(-xx)	910007(-xx)	910009(-xx)
FINISH	(-15) White and (-171) Antique Bronze				
LENGTH	7.5"	12"	18"	24"	30"
VOLTAGE	120v Direct Wire				
DELIVERED LUMENS (@ 3000K)	343	575	900	1245	1461
POWER CONSUMPTION	6.4w	9.7w	15.5w	20.6w	26w
EFFICACY	54 lm/w	59lm/w	58 lm/w	60 lm/w	55 lm/w
COLOR RENDERING INDEX	90 CRI				
RATED AVERAGE LIFE	50,000 hours to 70%				
DIMMING RANGE <sup>(1)</sup>	Down to 10%				
INSTALLATION	Hard wire or plug in with cord accessory. Link multiple units with optional connector cords.				
CERTIFICATION	ETL Dry location, ENERGY STAR Qualified, Title 24 Certified				
FEATURES	Local on/off switch				

<sup>(1)</sup> Vivid 120V LED is dimmable with a standard incandescent or electronic low voltage (ELV) dimmer. When sizing dimmer consult with the dimmer manufacturer for information on de-rating the dimmer for in-rush current.

See Ambiance-Lighting.com for additional photometric data.



**24" POWER CORD**

For plug-in installs where Glyde, Accluso or Vivid 120V LED undercabinet fixtures will be powered via a wall outlet.

**98274S-12**, black finish  
**98274S-15**, white finish

L: 24"

**72" POWER CORD**

For plug-in installs where Glyde, Accluso or Vivid 120V LED undercabinet fixtures will be powered via a wall outlet.

**98275S-12**, black finish  
**98275S-15**, white finish

L: 72"

**3" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98270S-12**, black finish  
**98270S-15**, white finish

L: 3"

**6" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98271S-12**, black finish  
**98271S-15**, white finish

L: 6"

**12" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98272S-12**, black finish  
**98272S-15**, white finish

L: 12"

**18" CONNECTOR CORD**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence.

**98273S-12**, black finish  
**98273S-15**, white finish

L: 18"

**MALE TO MALE CONNECTOR**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet fixtures together in sequence with no gap in between units.

**98276S-12**, black finish  
**98276S-15**, white finish

L: 1" W: 0.75" H: 0.5"

**FEMALE TO FEMALE CONNECTOR**

Use to join Glyde, Accluso or Vivid 120V LED undercabinet power and connector cord or two connector cords for longer runs.

**98277S-12**, black finish  
**98277S-15**, white finish

L: 2.5" W: 0.75" H: 0.5"

**OCCUPANCY SENSOR**

Automatically activate your undercabinet lighting when you are in a space and save electricity when you aren't with this new sensor for the Glyde, Accluso and Vivid undercabinet lighting systems from Ambiance Lighting.

**910010-12**, black finish  
**910010-15**, white finish

L: 5" W: 2.75" H: 1"

**MASTER DIMMING SWITCH**

Utilize this master dimmer to control a run of multiple Glyde, Accluso or Vivid 120V LED fixtures with one control. With this dimmer you get the convenience of dimming and turning on/off the entire chain of connected fixtures without having to wire anything in the wall.

**910011-12**, black finish  
**910011-15**, white finish

L: 4.5" W: 2.75" H: 1"





# LED TAPE





# LED TAPE

LED tape is an incredibly versatile and long-lasting lighting product that can be used in a wide range of applications. Ambiance Lighting now offers four LED tape systems with a wide range of outputs and features to meet the needs of your project whether that involves accent lighting for a kitchen or creating a fun atmosphere for entertaining with color-changing RGB LED tape.

---

## SELECT YOUR SYSTEM



### **JANE LED TAPE**

Available in 100 and 200 lumens per foot outputs, in both 2700K and 3000K, this is a great option for indoor applications where you need light for accent or tasks but don't want to over-illuminate your space. Jane LED tape comes in either 40' or 10' spools that are field-cuttable and reusable every 4 or 6.5 inches, depending on the version selected.

P. 20



### **RHONDA HIGH OUTPUT LED TAPE**

IP67 rated for indoor or outdoor use, this tape emits 400 lumens per foot of light in either 2700K or 3000K. Available in both 40ft or 10ft spools it can be cut every 5" and reused to allow for the perfect fit for your installation.

P. 24



## DESIGN GUIDELINES

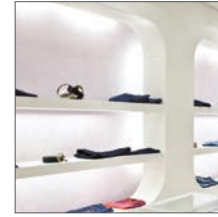
Our new LED tape systems are engineered to perform well in multiple applications. All of our white LED tape utilizes 3-step binning to insure consistent color across the entire run and are designed so that they can be field cut to the perfect length. In addition, all of our LED tape is available with power cords, connector cords and other accessories of various types and sizes to help you get the installation that is perfect for your application.



UNDER  
CABINET



TASK



WALL  
MOUNT



COVE



UNDER  
COUNTER



IN CABINET

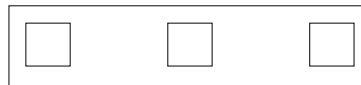
## SELECT YOUR SYSTEM



### CINDY MICRO LED TAPE

Small but mighty the Cindy Micro LED tape provides 275 lumens per foot of illumination in crisp white 3000K light while only taking up half the surface area as our other LED tape systems. Available in 20' spools, and cuttable and reusable every 4", this is a great product for tight spaces.

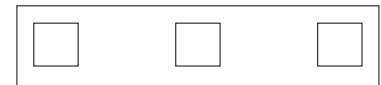
P. 28



### EMILY RGB LED TAPE

Liven up your space with this color changing LED tape. Available in 40' and 10' spools, that can be cut and reused every 4", this tape is designed for indoor applications. Use the controller and remote control to create a seemingly limitless number of color and illumination patterns for your space.

P. 32



### FINNLEE RGB LED TAPE

Create an outdoor entertaining space everyone will love this color changing LED tape. Available in 40ft and 10ft spools this tape is designed for outdoor residential or commercial applications. Select the optional controller and remote to control multiple lengths of tape with one remote.

P. 36

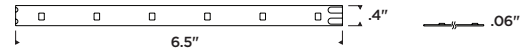
# 1 CHOOSE TAPE

## JANE LED TAPE

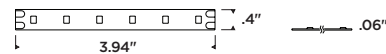
Jane LED Tape is perfect for a wide range of indoor applications where space is limited. Its low-profile design and flexibility allow for discrete installation in spaces like under cabinets, cove ceilings, toe-kicks, in cabinets or even in drawers. Both the Jane 100 and Jane 200 feature high quality LED diodes that meet a stringent three step binning threshold for maintaining a consistent color of light across an entire run.



Jane 100



Jane 200



## ORDERING GRID

STYLE	Jane 100		Jane 200	
	2700K	900000(-xx)	900002(-xx)	900004(-xx)
3000K	900001(-xx)	900003(-xx)	900005(-xx)	900007(-xx)
FINISH	(-15) White			
LENGTH	40'	10'	40'	10'
VOLTAGE	24v DC			
DELIVERED LUMENS (@ 3000K)	100/ft	100/ft	200/ft	200/ft
POWER CONSUMPTION	1.5 w/ft		2.2w/ft	
EFFICACY	66.67 lm/w	66.67 lm/w	90.9 lm/w	90.9 lm/w
COLOR RENDERING INDEX	90 CRI			
RATED AVERAGE LIFE	50,000 hours to 70%			
DIMMING RANGE <sup>(1)</sup>	Down to 5%			
INSTALLATION	Cuttable every 6.5". Cut pieces have ability to be reattached and repowered. Can be used in continuous runs up to 40'.		Cuttable every 4". Cut pieces have ability to be reattached and repowered. Can be used in continuous runs up to 40'.	
CERTIFICATION	IP20 Rated for Indoor Use			

<sup>(1)</sup> Jane LED Tape is dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended.

See Ambiance-Lighting.com for additional photometric data.

**96" POWER CORD**

For connecting Jane LED Tape to 24v DC Transformer. Cord has bare leads on one end for easy wiring to transformer and a fold-over clasp on the other for a quick, secure connection to LED tape.

**905000-15**, white finish

L: 96"

**12" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905004-15**, white finish

L: 12"

**36" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905007-15**, white finish

L: 36"

**LED TAPE TRACK**

Polycarbonate track for use on Jane or Emily LED Tape. Comes in 4' sections that can easily be cut to size in the field. Mounts flat or at a 45 degree angle using screws or double-sided tape.

**98670-12**, black finish

**98670-15**, white finish

L: 48" W: .75" H: .5"

**DOUBLE FACED TAPE**

Specially designed "High Adhesion" 3M double-faced tape for use with LED tape track. Allow a minimum of 24 hours curing.

**9450**

L: 300" W: .375" H: .031"

**3" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905002-15**, white finish

L: 3"

**18" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905005-15**, white finish

L: 18"

**72" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905040-15**, white finish

L: 72"

**ROUND LENS**

Rounded, frosted lens protects Jane or Emily LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98670 series track. (Track not included)

**98673-97**, frosted finish

L: 48" W: .625" H: .185"

**TRACK SCREWS**

Pack of 50, 3/8" long #4 Phillips flat head screws for securely mounting LED tape track.

**9862**

#4 L: .375"

**6" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905003-15**, white finish

L: 6"

**24" CONNECTOR CORD**

Cord with fold-over clasps on either end for quick and secure connections between two pieces of Jane 100 or Jane 200 tape.

**905006-15**, white finish

L: 24"

**JOINER CONNECTOR**

Adapter with fold-over clasps on each end for linking two pieces of Jane 100 or Jane 200 tape together with minimal gap.

**905001-15**, white finish

L: .812" W: .5" H: .187"

**FLAT LENS**

Flat, frosted lens protects Jane or Emily LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98670 series track. (Track not included)

**98672-97**, frosted finish

L: 48" W: .625" H: .060"

**10 PACK LED TAPE CLIPS**

10 pack of metal clips for securing LED tape.

**905045-32**, brushed steel finish

## ELECTRONIC TRANSFORMERS

**60W, 24V DC, SINGLE OUTPUT TRANSFORMER**

60w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98745S-12**, black finish

L: 9.375" W: 2.5" H: 1.375"

**105W, 24V DC, SINGLE OUTPUT TRANSFORMER**

105w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98746S-12**, black finish

L: 11" W: 4" H: 2.25"

**150W, 24V DC, SINGLE OUTPUT TRANSFORMER**

150w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98747S-12**, black finish

L: 11" W: 4" H: 2.25"



## MAGNETIC TRANSFORMERS

**200W, 24V DC, SINGLE OUTPUT TRANSFORMER**

200w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Power Coated Enclosure, Wet or Dry Location

**98743S-12**, black finish

L: 8.78" W: 3.75" H: 4.25"

**300W, 24V DC, SINGLE OUTPUT TRANSFORMER**

300w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Power Coated Enclosure, Wet or Dry Location

**98744S-12**, black finish

L: 8.78" W: 3.75" H: 4.25"



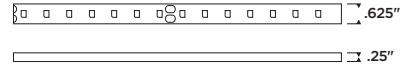




LED TAPE

## RHONDA INDOOR/OUTDOOR HIGH OUTPUT LED TAPE

Rhonda LED Tape is for the customer who needs the flexibility of LED tape for outdoor applications or needs more light output than found in all our other tape systems. The Rhonda LED tape has a silicone casing extruded around it to create an LED tape system that can be used indoors or out. With a superb output of 400 lumens per foot, Rhonda brilliantly illuminates kitchen counters, cove ceilings or outdoor spaces.



### ORDERING GRID

2700K	900008(-xx)	900010(-xx)
3000K	900009(-xx)	900011(-xx)
FINISH	(-15) White	
LENGTH	40'	10'
MAX RUN LENGTH	40'	
VOLTAGE	24v DC	
DELIVERED LUMENS (@ 3000K)	400/ft	
POWER CONSUMPTION	3.5w/ft	
EFFICACY	114.29 lm/w	
COLOR RENDERING INDEX	90 CRI	
RATED AVERAGE LIFE	50,000 hours to 70%	
DIMMING RANGE <sup>(1)</sup>	Down to 5%	
INSTALLATION	Cuttable every 5". Cut pieces have ability to be reattached and repowered. Can be used in continuous runs of up to 40'.	
CERTIFICATION	IP67 Rated for Indoor or Outdoor Use	

<sup>(1)</sup> Rhonda LED Tape is dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended.

See Ambiance-Lighting.com for additional photometric data.

**96" POWER CORD**

Connects Rhonda LED Tape to 24v DC Transformer. Bare leads on one end for wiring to transformer and snap connectors for easy connection to LED tape strip.

**905008-15**

L: 96"

**12" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905012-15**

L: 12"

**36" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905015-15**

L: 36"

**PREMIUM LED TAPE TRACK**

Polycarbonate track for use with Rhonda or Finnlee LED Tape. Comes in 4' sections that can easily be cut to size in the field. Mounts flat or at a 45 degree angle using screws or double-sided tape. Works with round or flat LED tape lens (98772 or 98773).

**98770-12**, black finish**98770-15**, white finish

L: 48" W: .910" H: .65"

**3" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905010-15**

L: 3"

**18" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905013-15**

L: 18"

**72" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905041-15**

L: 72"

**LED TAPE ROUND LENS**

Rounded, frosted lens protects LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98770 series track (track not included).

**98773-97**, frosted

L: 48" W: .795" H: .220"

**6" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905011-15**

L: 6"

**24" CONNECTOR CORD**

Use to connect two pieces of Rhonda LED tape together.

**905014-15**

L: 24"

**END CAP**

Silicone on end of Rhonda LED Tape to meet IP67 rating requirements for dust and water resistance.

**905057-32**

.75" x .5" x .25"

**LED TAPE FLAT LENS**

Flat, frosted lens protects LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98770 series track (track not included).

**98772-97**, frosted

L: 48" W: .795" H: .060"





STEP

2

## SELECT RHONDA ACCESSORIES

### DOUBLE FACED TAPE

Specially designed "High Adhesion" 3M double-faced tape for use with LED tape track. Allow a minimum of 24 hours curing.

**9450**

L: 300" W: .375" H: .031"

### TRACK SCREWS

Pack of 50, 3/8" long #4 Phillips flat head screws for securely mounting LED tape track.

**9862**

#4 L: .375"

### LED TAPE CLIPS 10PK

10 pack of metal clips for securing LED tape.

**905045-32**

STEP

3

## SELECT TRANSFORMER

### ELECTRONIC TRANSFORMERS

#### 60W, 24V DC, SINGLE OUTPUT TRANSFORMER

60w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98745S-12**, black finish

L: 9.375" W: 2.5" H: 1.375"



#### 105W, 24V DC, SINGLE OUTPUT TRANSFORMER

105w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98746S-12**, black finish

L: 11" W: 4" H: 2.25"



#### 150W, 24V DC, SINGLE OUTPUT TRANSFORMER

150w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98747S-12**, black finish

L: 11" W: 4" H: 2.25"



### MAGNETIC TRANSFORMERS

#### 200W, 24V DC, SINGLE OUTPUT TRANSFORMER

200w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Power Coated Enclosure, Wet or Dry Location

**98743S-12**, black finish

L: 8.78" W: 3.75" H: 4.25"



#### 300W, 24V DC, SINGLE OUTPUT TRANSFORMER

300w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Power Coated Enclosure, Wet or Dry Location

**98744S-12**, black finish

L: 8.78" W: 3.75" H: 4.25"



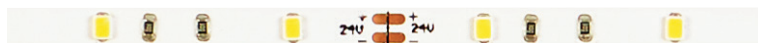


LED TAPE

## CHOOSE TAPE

## CINDY MICRO LED TAPE

Cindy 24v LED Micro Tape Light has an ultra slim, low profile design that is half the width of our other tapes. Its micro size makes it ideal for highly discerning customers who want a light source as small as possible for tight or highly visible spaces such as in or under cabinets, under counters or even inside drawers. Despite the small size, the high quality LED diodes emit 275 lumens per foot and meet a stringent three-step binning threshold that will allow for a consistent color of light across an entire run.



## ORDERING GRID

2700K	900018(-xx)
3000K	900019(-xx)
FINISH	(-15) White
LENGTH	20'
MAX RUN LENGTH	20'
VOLTAGE	24v DC
DELIVERED LUMENS (@ 3000K)	275/ft
POWER CONSUMPTION	4.4w/ft
EFFICACY	62.5 lm/w
COLOR RENDERING INDEX	80 CRI
RATED AVERAGE LIFE	50,000 hours to 70%
DIMMING RANGE <sup>(1)</sup>	Down to 5%
INSTALLATION	Cutttable every 4". Cut pieces have that ability to be reattached and repowered. Can be used in continuous runs of up to 20'.
CERTIFICATION	IP20 Rated for Indoor Use

<sup>(1)</sup> Cindy LED Tape is dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended.

See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.

**96" POWER CORD**

Connects Cindy Micro LED Tape to 24v DC Transformer.

**905032-15**, white finish

L: 96"



**12" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905036-15**, white finish

L: 12"



**36" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905039-15**, white finish

L: 36"



**3" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905034-15**, white finish

L: 3"



**18" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905037-15**, white finish

L: 18"



**72" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905044-15**, white finish

L: 72"



**6" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905035-15**, white finish

L: 6"



**24" CONNECTOR CORD**

Use to connect two pieces of Cindy Micro LED tape together.

**905038-15**, white finish

L: 24"



**JOINER CONNECTOR**

Connects two pieces of Cindy Micro LED tape together with minimal gap.

**905033-15**, white finish



## ELECTRONIC TRANSFORMERS

**60W, 24V DC, SINGLE OUTPUT TRANSFORMER**

60w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98745S-12**, black finish

L: 9.375" W: 2.5" H: 1.375"

**105W, 24V DC, SINGLE OUTPUT TRANSFORMER**

105w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98746S-12**, black finish

L: 11" W: 4" H: 2.25"

**150W, 24V DC, SINGLE OUTPUT TRANSFORMER**

150w, 120v Primary, 24v DC Secondary, Electronic Transformer. Black Powder Coated Enclosure. Indoor Use Only.

**98747S-12**, black finish

L: 11" W: 4" H: 2.25"



## MAGNETIC TRANSFORMERS

**200W, 24V DC, SINGLE OUTPUT TRANSFORMER**

200w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Power Coated Enclosure, Wet or Dry Location

**98743S-12**, black finish

L: 8.78" W: 3.75" H: 4.25"

**300W, 24V DC, SINGLE OUTPUT TRANSFORMER**

300w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Power Coated Enclosure, Wet or Dry Location

**98744S-12**, black finish

L: 8.78" W: 3.75" H: 4.25"



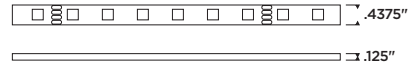




LED TAPE

## EMILY RGB LED TAPE

Emily 24v RGB Color Changing LED Tape Light is a versatile and fun accent lighting option for your home or commercial space. Designed for indoor applications, this system is a great way to liven-up any space with color. Using the Ambiance remote control, you can easily program the LED tape to virtually any color or illumination pattern you desire.



## ORDERING GRID

ITEM NUMBER	900012(-xx)	900015(-xx)
FINISH	(-15) White	
LENGTH	40'	10'
MAX RUN LENGTH	40'	
VOLTAGE	24v DC	
POWER CONSUMPTION	4.4w/ft	
RATED AVERAGE LIFE	50,000 hours to 70%	
DIMMING RANGE <sup>(1)</sup>	Down to 15% with required Ambiance RGB LED Tape Controller and Remote	
INSTALLATION	Cutttable every 4". Cut pieces have the ability to be reattached and repowered.	
CERTIFICATION	IP20 Rated for Indoor Use	

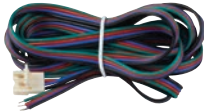
<sup>(1)</sup> Emily LED Tape is dimmable with controller and remote 905051-12 only (page 34).  
See Ambiance-Lighting.com for additional photometric data.

**96" POWER CORD**

Connects Emily RGB LED Tape to 24v DC Transformer.

**905016-15**

L: 96"



**6" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905019-15**

L: 6"



**24" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905022-15**

L: 24"



**JOINER CONNECTOR**

Connects two pieces of Emily RGB LED tape together with minimal gap.

**905017-15**, white finish



**FLAT LENS**

Frosted lens protects Jane or Emily LED tape and reduces pixelation while providing even lighting in tight spaces. Only for use with 98670 series track. (Track not included)

**98672-97**, frosted finish

L: 48" W: .625" H: .060"

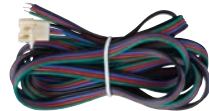


**EMILY JUMPER CABLE**

Used to connect an existing run of Emily RGB LED Tape to the Amplifier to pass the RGB Controller's signal through to the new run when runs over 40 ft are desired. Required accessory for every amplifier.

**905045-15**

L: 96"



**12" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905020-15**

L: 12"



**36" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905023-15**

L: 36"



**LED TAPE TRACK**

Polycarbonate track for use on Jane or Emily LED Tape. Comes in 4' sections that can easily be cut to size in the field. Mounts flat or at a 45 degree angle using screws or double-sided tape.

**98670-12**, black finish

**98670-15**, white finish

L: 48" W: .75" H: .5"



**3" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905018-15**

L: 3"



**18" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905021-15**

L: 18"



**72" CONNECTOR CORD**

Use to connect two pieces of Emily RGB LED tape together.

**905042-15**

L: 72"



**ROUND LENS**

Rounded, frosted lens protects Jane or Emily LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98670 series track. (Track not included)

**98673-97**, frosted finish

L: 48" W: .625" H: .185"



STEP

2

## SELECT EMILY ACCESSORIES

### DOUBLE FACED TAPE

Specially designed "High Adhesion" 3M double-faced tape for use with LED tape track. Allow a minimum of 24 hours curing.

**9450**

L: 300" W: .375" H: .031"

### TRACK SCREWS

Pack of 50, 3/8" long #4 Phillips flat head screws for securely mounting LED tape track.

**9862**

#4 L: .375"

### 10 PACK LED TAPE CLIPS

10 pack of metal clips for securing LED tape.

**905045-32**

STEP

3

## SELECT TRANSFORMERS & CONTROLLERS

### RGB CONTROLLER & REMOTE

RGB controller and remote control for Emily and Finnlee RGB LED Tape. Use only one controller and remote per project. Outdoor use requires IP65 enclosure for RGB Controller and Amplifier that is purchased separately. (We suggest Cantex Box #5133706)

*Wattage: 400w Max.*

**905051-12**, black finish

Controller L: 3.284" W: 3.21" H: 1.3"



### AMPLIFIER

Signal amplifier used to control multiple runs of Emily or Finnlee RGB LED tape off of one RGB controller and remote. Amplifier requires additional power supply and jumper cable to connect from initial run of tape. An amplifier is required if you want to extend beyond 40 ft continuous run or if your system exceeds 400 watts (ie. the rating on the controller). Outdoor use requires IP65 enclosure for RGB Controller and Amplifier that is purchased separately. We suggest Cantex Box #5133706. Please see instructions on this item on our website for further explanation.

*Wattage: 250w Max.*

**905052**

L: 4.168" W: 2.53" H: .93"



### 200W, 24V DC RGB TAPE TRANSFORMER

Electronic transformer for use with Ambiance Emily or Finnlee RGB LED Tape Systems. For indoor or outdoor use. (Outdoor use requires IP65 enclosure for wiring on both the primary and secondary sides.)

*Wattage: 0w-192w, Class I*

*Input: 120v AC Output: 24v DC*

**905055-12**, metal finish

L: 9.81" W: 2.68" H: 1.52"



### 320W, 24V DC RGB TAPE TRANSFORMER

Electronic transformer for use with Ambiance Emily or Finnlee RGB LED Tape Systems. For indoor or outdoor use. (Outdoor use requires IP65 enclosure for wiring on both the primary and secondary sides.)

*Wattage: 0w-320w, Class I*

*Input: 120v AC Output: 24v DC*

**905054-12**, metal finish

L: 9.96" W: 4.43" H: 1.91"



### 400W, 24V DC RGB TAPE TRANSFORMER

Electronic transformer for use with Ambiance Emily or Finnlee RGB LED Tape Systems. For indoor or outdoor use. (Outdoor use requires IP65 enclosure for wiring on both the primary and secondary sides.)

*Wattage: 0w-400w, Class I*

*Input: 120v AC Output: 24v DC*

**905056-12**, metal finish

L: 11.56" W: 4.25" H: 1.81"







LED TAPE



## FINNLEE INDOOR/OUTDOOR RGB LED TAPE

Finnlee is the IP67, outdoor rated RGB LED tape from Ambiance. It features a silicone casing extruded around the LED board to create an LED tape system that can be used indoors or out. Available in 40' and 10' reels and cuttable and reusable in 4 inch increments, Finnlee has the ability to be ordered and sized to perfectly fit your application. With the added benefit of being able to use one remote to control multiple runs of tape with one remote, Finnlee is a great solution for commercial or residential customers looking for multiple runs of RGB LED tape for their outdoor entertaining space.



## ORDERING GRID

ITEM NUMBER	900016-15
FINISH	White
LENGTH	40'
MAX. RUN LENGTH	40'
VOLTAGE	24v DC
POWER CONSUMPTION	4.4 w/ft
DIMMING RANGE <sup>(1)</sup>	Down to 15% with required Ambiance RGB LED Tape Remote Control
INSTALLATION	Outdoor installation requires optional end caps. Cuttable every 4". Cut pieces have ability to be reattached and repowered.
CERTIFICATION	IP67 Rated for Indoor or Outdoor Use

<sup>(1)</sup> Finnlee LED Tape is dimmable with controller and remote 905051-12 only (page 38).  
See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.

**96" POWER CORD**

Connects Finnlee RGB LED Tape to 24v DC Transformer.

**905024-15**, white finish

L: 96"



**6" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905027-15**, white finish

L: 6"



**24" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905030-15**, white finish

L: 24"



**END CAP**

Silicone on end of Finnlee LED Tape to meet IP67 rating requirements for dust and water resistance.

**905053-32**

.5" x .5" x .2"



**LED TAPE FLAT LENS**

Flat, frosted lens protects LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98770 series track (track not included).

**98772-97**, frosted

L: 48" W: .795" H: .060"



**FINNLEE JUMPER CABLE**

Used to connect an existing run of Finnlee RGB LED Tape to the Amplifier to pass the RGB Controller's signal through to the new run when runs over 40 ft are desired. Required accessory for every amplifier.

**905046-15**, white finish

L: 96"



**12" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905028-15**, white finish

L: 12"



**36" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905031-15**, white finish

L: 36"



**PREMIUM LED TAPE TRACK**

Polycarbonate track for use with Rhonda or Finnlee LED Tape. Comes in 4' sections that can easily be cut to size in the field. Mounts flat or at a 45 degree angle using screws or double-sided tape. Works with round or flat LED tape lens (98772 or 98773).

**98770-12**, black finish

**98770-15**, white finish"

L: 48" W: .910" H: .65"



**3" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905026-15**, white finish

L: 3"



**18" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905029-15**, white finish

L: 18"



**72" CONNECTOR CORD**

Use to connect two pieces of Finnlee LED tape together.

**905043-15**, white finish

L: 72"



**LED TAPE ROUND LENS**

Rounded, frosted lens protects LED tape and reduces pixelation while providing a wider beam of light. Only for use with 98770 series track (track not included).

**98773-97**, frosted

L: 48" W: .795" H: .220"



STEP

2

## SELECT FINNLEE ACCESSORIES

### DOUBLE FACED TAPE

Specially designed "High Adhesion" 3M double-faced tape for use with LED tape track. Allow a minimum of 24 hours curing.

**9450**

L: 300" W: .375" H: .031"

### TRACK SCREWS

Pack of 50, 3/8" long #4 Phillips flat head screws for securely mounting LED tape track.

**9862**

#4 L: .375"

### 10 PACK LED TAPE CLIPS

10 pack of metal clips for securing LED tape.

**905045-32**

STEP

3

## SELECT TRANSFORMERS & CONTROLLERS

### RGB CONTROLLER & REMOTE

RGB controller and remote control for Emily and Finnlee RGB LED Tape. Use only one controller and remote per project. Outdoor use requires IP65 enclosure for RGB Controller and Amplifier that is purchased separately. (We suggest Cantex Box #5133706)

*Wattage: 400w Max.*

**905051-12**, black finish

Controller L: 3.284" W: 3.21" H: 1.3"



### AMPLIFIER

Signal amplifier used to control multiple runs of Emily or Finnlee RGB LED tape off of one RGB controller and remote. Amplifier requires additional power supply and jumper cable to connect from initial run of tape. An amplifier is required if you want to extend beyond 40 ft continuous run or if your system exceeds 400 watts (ie. the rating on the controller). Outdoor use requires IP65 enclosure for RGB Controller and Amplifier that is purchased separately. We suggest Cantex Box #5133706. Please see instructions on this item on our website for further explanation.

*Wattage: 250w Max.*

**905052**

L: 4.168" W: 2.53" H: .93"



### 200W, 24V DC RGB TAPE TRANSFORMER

Electronic transformer for use with Ambiance Emily or Finnlee RGB LED Tape Systems. For indoor or outdoor use. (Outdoor use requires IP65 enclosure for wiring on both the primary and secondary sides.)

*Wattage: 0w-192w, Class I*

*Input: 120v AC Output: 24v DC*

**905055-12**, metal finish

L: 9.81" W: 2.68" H: 1.52"



### 320W, 24V DC RGB TAPE TRANSFORMER

Electronic transformer for use with Ambiance Emily or Finnlee RGB LED Tape Systems. For indoor or outdoor use. (Outdoor use requires IP65 enclosure for wiring on both the primary and secondary sides.)

*Wattage: 0w-320w, Class I*

*Input: 120v AC Output: 24v DC*

**905054-12**, metal finish

L: 9.96" W: 4.43" H: 1.91"



### 400W, 24V DC RGB TAPE TRANSFORMER

Electronic transformer for use with Ambiance Emily or Finnlee RGB LED Tape Systems. For indoor or outdoor use. (Outdoor use requires IP65 enclosure for wiring on both the primary and secondary sides.)

*Wattage: 0w-400w, Class I*

*Input: 120v AC Output: 24v DC*

**905056-12**, metal finish

L: 11.56" W: 4.25" H: 1.81"





LED TAPE





# LX CABLE SYSTEM



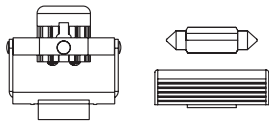


# LX CABLE SYSTEM

The Ambiance Lx Cable System is our premier lighting solution giving users the utmost flexibility to easily design and install customized lighting to meet the specific needs of their space. Simply identify the length of run for which you will need cable, select a transformer and choose the lamping modules best suited for your application. Our Lx System is uniquely engineered so that you can mix and match any of our lamping modules on the same system and the snap-on design enables quick installation and the ability to adjust over time as lighting needs or preferences change.

## CONFIGURE YOUR SYSTEM

STEP  
1

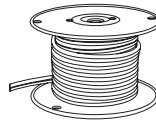


### CHOOSE LAMPS & LAMP HOLDERS

Select from a variety of low profile linear lamps and lamp holders that suit your application.

P. 44

STEP  
2

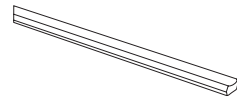


### SELECT CABLE

Specially designed 105°C easy piercing cable available in 25' to 1,000' spools. Indoor and outdoor rated available.

P. 56

STEP  
3

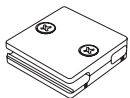


### SELECT TRACK

4' Noryl® track section may be easily cut to desired length.

P. 56

STEP  
4



### SELECT COMPONENTS

Additional components are available including screws, track clips, tape, track covers, connectors etc.

P. 57

STEP  
5



### SELECT TRANSFORMER

Electronic and magnetic, 12v or 24v, 30w up to 1000w output.

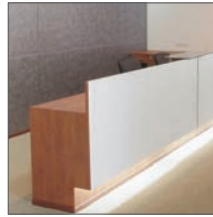
P. 58-59

## DESIGN GUIDELINES

The Ambiance® Lx Cable Lighting System is the versatile choice for linear lighting in a home or commercial setting. With our self-piercing lampholders and modules, you can easily position your luminaries where you need them along a run of Lx Cable to achieve the perfect lighting effect.



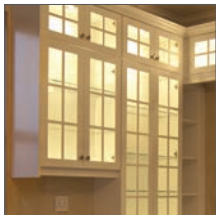
COVE



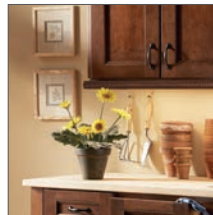
TOE KICK



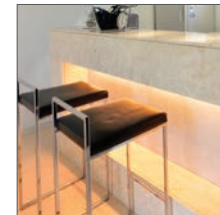
UNDER CABINET



IN CABINET



TASK / ACCENT



UNDER COUNTER

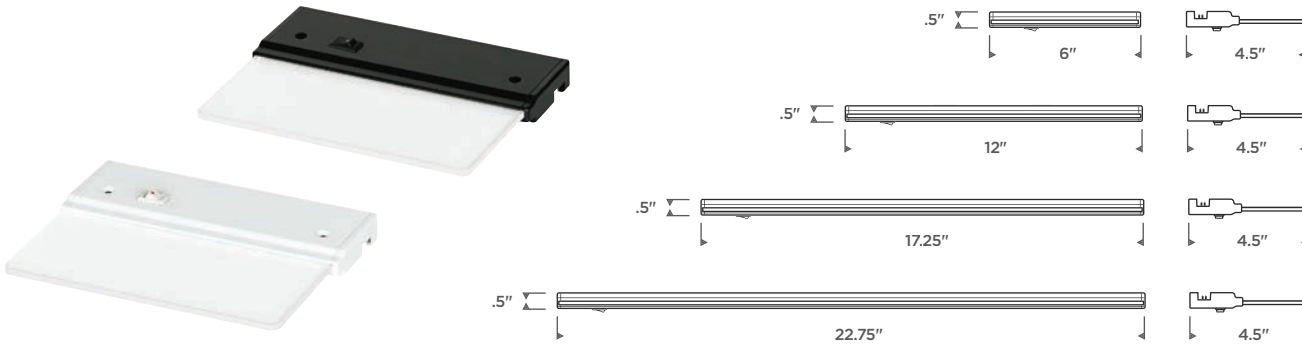
## LAMP COMPARISON

	GLYDE MODULE	HIGH OUTPUT MODULE	LED FESTOON	XENON FESTOON	WEDGE-BASED LAMPS	DELL'ARTE DIRECTIONAL
FEATURES	Edge-lit, pixel free illumination great for polished stone countertops  Evenly lights entire backsplash while directing light out onto the countertop	Frosted diffuser that minimizes pixelation even on polished stone counters  24V options available for longer system runs  Available in 2 lengths to fit more spaces	Up to 80% energy savings over xenon  Can be used with existing systems  Generate less heat than xenon	Tried and true solution that has proven itself  Available in lower color temperatures  Longer lamp life-span than wedge based	Most economical solution  Good lumen output  Available in very low color temperatures for candle-light effect	Aimable (90 degrees front/back, 40 degrees left to right) for highlighting objects  Narrow or flood beam spreads available  Compact design with integrated LED
OPTIONS	4 lengths  2 color temperatures  2 finishes	2 lengths  2 color temperatures  12 or 24V AC	3 color temperatures  Clear or Frosted  12 or 24V AC  2 different lamp holder styles available	3 color temperatures  Clear or Frosted  5, 7 or 10 watts  12 or 24V AC  2 different lamp holder styles available	6 color temperatures  Xenon or incandescent  T5 or T3 1/4 bases  3, 5, 12 or 18 watts  2 different lamp holder styles available	2 color temperatures  2 finishes  2 beam spreads
PRICE	\$\$\$	\$\$	\$	\$	\$	\$\$

## CHOOSE A LAMP

## GLYDE LED MODULE

These snap on LED modules for the Lx Cable system are great for commercial and residential applications. They feature a 95 CRI to accurately show the true color of food or merchandise, utilize light guide LED technology for even illumination without the reflection of LED pixels on polished stone countertops and are easy to conceal at only 1/2" in height.



**NOTE:** Glyde modules do not require lampholders. See page 56 to select cable.

## ORDERING GRID

ITEM NUMBER	98825S(-xx)	98826S(-xx)	98828S(-xx)	98829S(-xx)	98831S(-xx)	98832S(-xx)	98834S(-xx)	98835S(-xx)
FINISH	(-12) Black & (-15) White		(-12) Black & (-15) White		(-12) Black & (-15) White		(-12) Black & (-15) White	
LENGTH	6"		12"		18"		23"	
COLOR TEMPERATURE	2700K	3000K	2700K	3000K	2700K	3000K	2700K	3000K
VOLTAGE	12v AC							
DELIVERED LUMENS (@ 3000K)	310		617		862		1100	
POWER CONSUMPTION <sup>(1)</sup>	7.5w		15w		21.5w		28w	
EFFICACY	44 lm/w		44 lm/w		43 lm/w		42 lm/w	
COLOR RENDERING INDEX	95 CRI		95 CRI		95 CRI		95 CRI	
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMABLE <sup>(2)</sup>	Down to 10%							
INSTALLATION	Glyde modules snap onto the Lx track and Cable and can be secured using the included screws or with our available double-faced tape (#9450)							
SPACING	1" between each module							
CERTIFICATION	cETL for Dry Locations							

<sup>(1)</sup> Use these figures when sizing your zero-load electronic transformer. Actual consumption will vary based on length of run.

<sup>(2)</sup> Ambiance Glyde LED Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 108 for more on dimming.

See Ambiance-Lighting.com for additional photometric data.

PHOTOMETRICS<sup>(1)</sup>

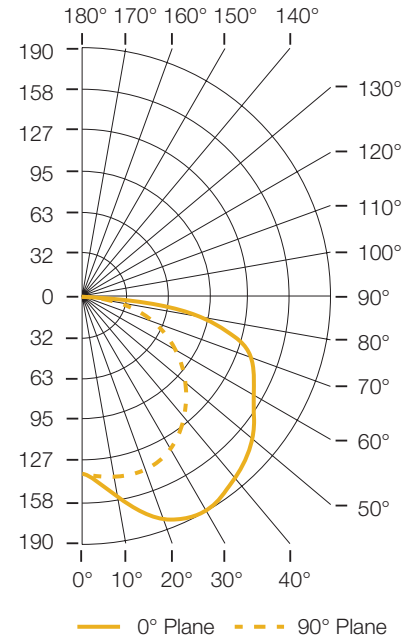
ZONAL LUMEN SUMMARY

ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	125.3	20.5
0° – 40°	216.5	35.5
0° – 60°	422	69.2
0° – 90°	603.9	99
60° – 90°	181.9	29.8
90° – 180°	6.2	1
0° – 180°	610.1	100

AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)

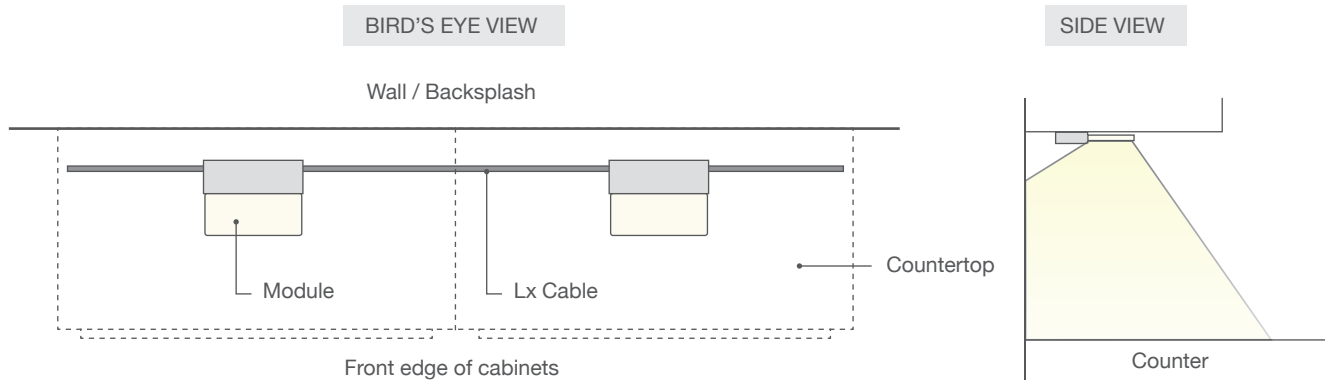
VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	136	136	136
45°	175	146	112
55°	159	125	92
65°	142	100	69
75°	119	72	44
85°	44	25	11

POLAR CANDELA CHART

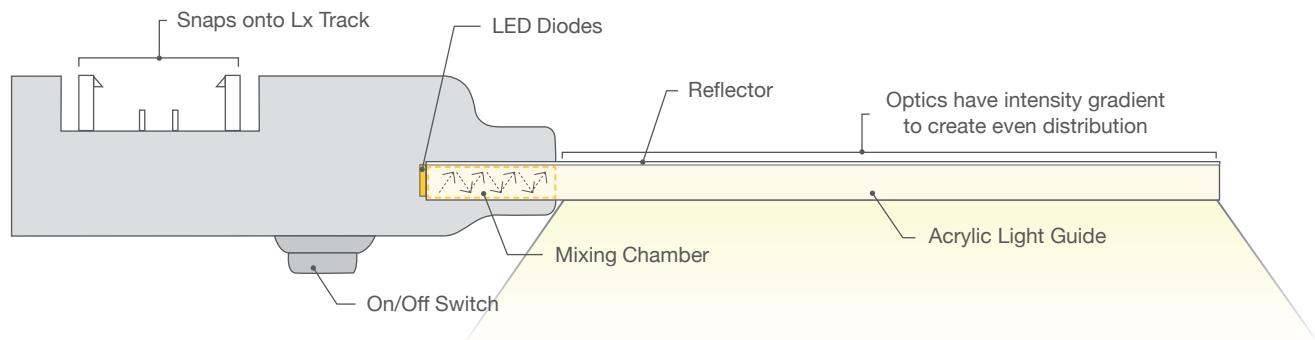


<sup>(1)</sup> Photometry based on (1) 98829S-12 module

PLACEMENT OF LX CABLE AND MODULE



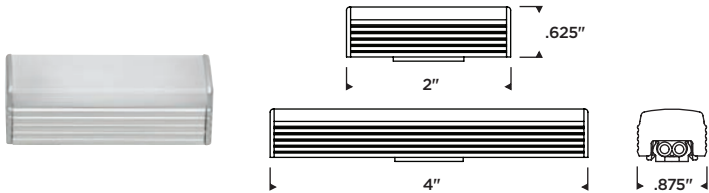
PROFILE VIEW OF MODULE





## HIGH OUTPUT LED MODULE

The miniature, High Output LED Modules can be used with 12v or 24v Ambiance Lx Cable Systems powered by magnetic low-voltage or electronic low-voltage transformers. Simply snap the LED modules onto Lx track and cable to provide a generous amount of illumination without the need for a lampholder. These high intensity LED modules utilize wider recommended spacing than our festoons while still providing even surface illumination.



**NOTE:** High Output Modules do not require lampholders. See page 56 to select cable.

## ORDERING GRID

ITEM NUMBER (12V)	98700S-986	98701S-986	98702S-986	98703S-986
ITEM NUMBER (24V)	98800S-986	98801S-986	98802S-986	98803S-986
LENGTH	2"		4"	
COLOR TEMPERATURE	2700K	3000K	2700K	3000K
VOLTAGE	12v AC or 24v AC			
FINISH	Tinted Aluminum			
GLASS FINISH	Frosted			
DELIVERED LUMENS	85	90	220	230
POWER CONSUMPTION	1.7w		4w	
EFFICACY	50 lm/w	53 lm/w	55 lm/w	58 lm/w
COLOR RENDERING INDEX	90 CRI			
RATED AVERAGE LIFE	50,000 hours to 70%			
DIMMABLE <sup>(1)</sup>	Down to 10%			
INSTALLATION	High Output LED Modules snap onto the Lx track			
RECOMMENDED SPACING	6" on center (1" minimum separation)		12" on center (1" minimum separation)	
CERTIFICATION	ETL			

<sup>(1)</sup> Ambiance High Output LED Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 108 for more on dimming.

See Ambiance-Lighting.com for additional photometric data.

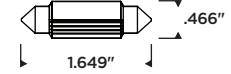


LX CABLE SYSTEM

# 1 CHOOSE A LAMP & LAMPHOLDER

## LED FESTOON

Upgrade to our Ambiance Lx LED Festoons from our 5w Xenon Festoons and realize an energy savings of over 80% without compromising light output. Lx LED Festoons snap into Lx Festoon Lampholders (sold separately), making retrofitting of existing systems easy. For new systems, pick a matching Lx Festoon Lampholder and clip them onto your Lx Cable and Track. Lx LED Festoons are available in 2700, 3000, and 4000K, in both 12 and 24v.



**NOTE:** Lamps in chart below only compatible with Festoon Lampholder 9830 and Festoon Adjustable Lampholder 94323 (page 49).

ITEM NUMBER	96116S(-xx)	96117S(-xx)	96118S(-xx)	96120S(-xx)	96119S(-xx)	96121S(-xx)
FINISH	(-32) Clear and (-33) Frosted					
COLOR TEMPERATURE	2700K		3000K		4000K	
VOLTAGE	12v AC	24v AC	12v AC	24v AC	12v AC	24v AC
DELIVERED LUMENS	59		60		62	
POWER CONSUMPTION	.708w		.708w		.708w	
EFFICACY	83 lm/w		85 lm/w		88 lm/w	
COLOR RENDERING INDEX	>90 CRI		>90 CRI		>85 CRI	
RATED AVERAGE LIFE	50,000 hours to 70%					
DIMMABLE <sup>(1)</sup>	Down to 10%					
LAMP BASE	Festoon					
RECOMMENDED SPACING	4" on center (1" minimum separation)					
CERTIFICATION	cETL, damp rated					

<sup>(1)</sup> Ambiance Lx LED Festoons are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See pg. 108 for more on dimming.

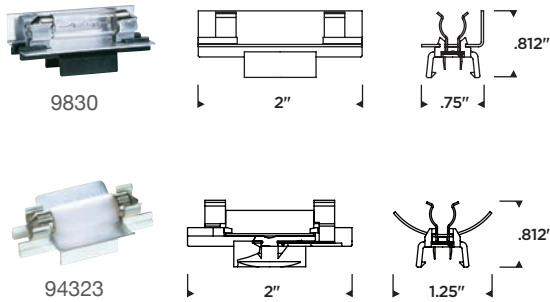
See Ambiance-Lighting.com for additional photometric data.



# CHOOSE A LAMP & LAMPHOLDER

## FESTOON LAMPHOLDERS

For use with our highly specified LED and xenon festoons, Ambiance Lx Festoon Lampholders feature a high quality reflector and base for directing light where you need it. Choose from our Accent Task Socket for general applications that require crisp linear lighting or our Adjustable Lampholder for a wider diffused beam of light. Each lampholder snaps onto Lx Track and Cable with ease and can be spaced based on your criteria.



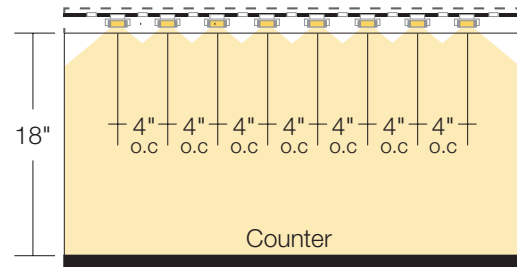
**NOTE:** After selecting lamp source and lampholder, proceed to page 56 to select cable.

ITEM NUMBER	9830(-xx)	94323(-xx)
REFLECTOR	"L" Accent Task Socket	Adjustable Wide Beam
VOLTAGE	12v and 24v AC	
LAMP BASE	Festoon	
CERTIFICATION	cETL, damp rated	
MAX. WATTAGE	(1) 10w Xenon Festoon (1) LED Festoon	
RECOMMENDED MIN. SPACING	2" on center (5w Xenon) 4" on center (LED Festoon)	
MATERIAL / FINISH	(-12) Black and (-15) White Heat resistant polycarbonate base and anodized aluminum reflector	

## APPLICATION GUIDE

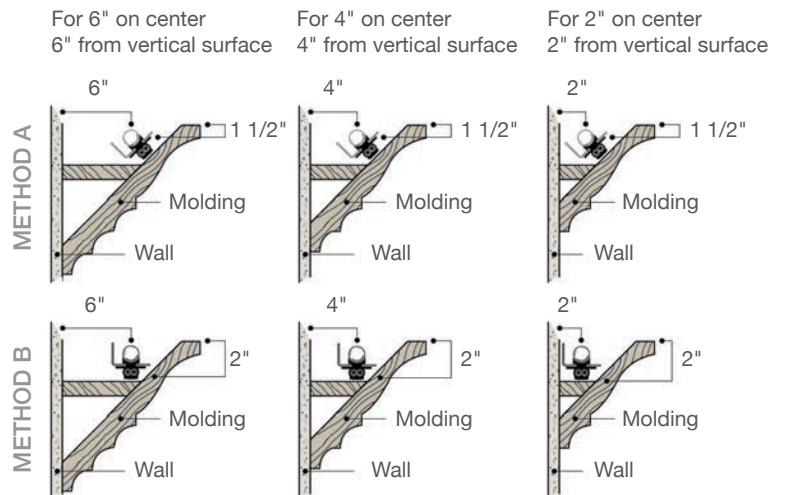
APPLICATION	RECOMMENDED SPACING ON CENTER	SUGGESTED LAMP SOURCE(S)
Above Cabinet	6" - 12"	LED Festoon
Under Cabinet	2" - 6"	LED Festoon
Inside Cabinet	1 - 2 per shelf	LED Festoon
Toe Space	4"	LED Festoon
Showcase	4" - 6"	LED Festoon
Cove	2" - 6"	LED Festoon

### BEAM DISTRIBUTION (LED Festoon)



Choose either Method "A" or "B" for even illumination on a vertical surface where cove lighting is desired. These easy to use spacing guidelines assure even vertical illumination when the suggested spacing and distances are followed.

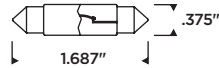
Method A: Lighting system installed on angled surfaces.  
Method B: Lighting system installed on horizontal (flat) surfaces.



# 1 CHOOSE A LAMP & LAMPHOLDER

## XENON FESTOON

Ambiance Lx Xenon Festoons revolutionized the under cabinet lighting industry and continue to be an industry standard. They are available in 5, 7 and 10w and 12 or 24v. Choose from a wide beam or directional lampholder to easily position light where you need it (lampholder sold separately).



**NOTE:** Lamps in chart below only compatible with Festoon Lampholder 9830 and Festoon Adjustable Lampholder 94323 (page 51).

ITEM NUMBER	97118(-xx)	97119(-xx)	97120(-xx)	97121(-xx)	97122(-xx)
COLOR TEMPERATURE	2550K	2650K	2550K	2650K	2420K
VOLTAGE	12v AC	12v AC	24v AC	24v AC	24v AC
RATED WATTS	5 watts	10 watts	5 watts	10 watts	7 watts
FINISH	(-32) Clear and (-33) Frosted				(-33) Frosted
GROSS LUMENS	33	83	33	83	46
POWER CONSUMPTION	4.2w	8.4w	4.2w	8.4w	6.7w
EFFICACY	8 lm/w	10 lm/w	8 lm/w	10 lm/w	7 lm/w
COLOR RENDERING INDEX	>90 CRI				
RATED AVERAGE LIFE	16,000 hours	12,000 hours	16,000 hours	12,000 hours	95,000 hours
DIMMABLE	Yes				
LAMP BASE	Festoon				
RECOMMENDED SPACING	4" on center (1" minimum separation)				

See Ambiance-Lighting.com for additional photometric data.

## FOOTCANDLE & SPACING CHART

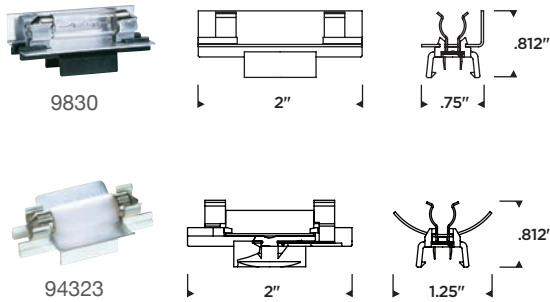
LAMP ITEM #	LAMPHOLDER SPACING	DISTANCE TO ILLUMINATED SURFACE				
		6"	12"	18"	24"	30"
97118(-xx) (5w, 12v)	2"	114	52	24	14	10
	4"	71	32	15	8.9	6.4
	6"	64	29	13	8	5.7
97120(-xx) (5w, 24v)	8"	57	26	12	7.1	5.1
	10"	51	23	11	6.3	4.5
	12"	45	20	9.5	5.6	4.0
97119(-xx) (10w, 12v)	4"	179	81	38	22	16
	6"	160	72	34	20	14
	8"	142	64	30	18	13
97121(-xx) (10w, 24v)	10"	128	58	27	16	11
	12"	114	52	24	14	10



# CHOOSE A LAMP & LAMPHOLDER

## FESTOON LAMP HOLDERS

For use with our highly specified LED and xenon festoons, Ambiance Lx Festoon Lampholders feature a high quality reflector and base for directing light where you need it. Choose from our Accent Task Socket for general applications that require crisp linear lighting or our Adjustable Lampholder for a wider diffused beam of light. Each lampholder snaps onto Lx Track and Cable with ease and can be spaced based on your criteria.



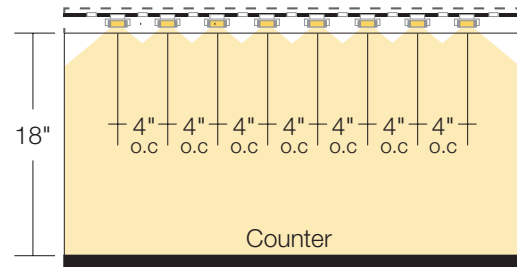
**NOTE:** After selecting lamp source and lampholder, proceed to page 56 to select cable.

ITEM NUMBER	9830(-xx)	94323(-xx)
REFLECTOR	"L" Accent Task Socket	Adjustable Wide Beam
VOLTAGE	12v and 24v AC	
LAMP BASE	Festoon	
CERTIFICATION	cETL, damp rated	
MAX. WATTAGE	(1) 10w Xenon Festoon (1) LED Festoon	
RECOMMENDED MIN. SPACING	2" on center (5w Xenon) 4" on center (LED Festoon)	
MATERIAL / FINISH	(-12) Black and (-15) White Heat resistant polycarbonate base and anodized aluminum reflector	

## APPLICATION GUIDE

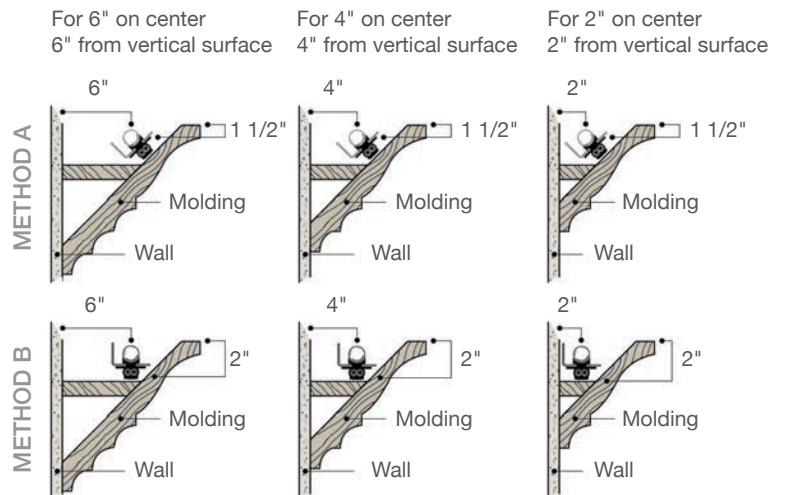
APPLICATION	RECOMMENDED SPACING ON CENTER	SUGGESTED LAMP SOURCE(S)
Above Cabinet	6" - 12"	LED Festoon
Under Cabinet	2" - 6"	LED Festoon
Inside Cabinet	1 - 2 per shelf	LED Festoon
Toe Space	4"	LED Festoon
Showcase	4" - 6"	LED Festoon
Cove	2" - 6"	LED Festoon

### BEAM DISTRIBUTION (LED Festoon)



Choose either Method "A" or "B" for even illumination on a vertical surface where cove lighting is desired. These easy to use spacing guidelines assure even vertical illumination when the suggested spacing and distances are followed.

- Method A: Lighting system installed on angled surfaces.
- Method B: Lighting system installed on horizontal (flat) surfaces.



## CHOOSE A LAMP &amp; LAMPHOLDER

## WEDGE BASE

Ambiance Lx Wedge Base Lamps provide illumination for a varied list of applications. Where maximum illumination is required, couple high wattage incandescent or xenon wedge base lamps with the Lx Lampholder (9433). Lx Wedge Base Lamps add another level of versatility to Ambiance Lighting Systems.



T3 1/4



T5



## NOTE:

Lamps in chart below only compatible with Wedge Base Lampholder 9433 (pg. 53). Lamps in second chart below only compatible with Two Light Wedge Base Lampholder 9428 (pg. 53).

ITEM NUMBER	940000	940002
LAMP TYPE	T5 Xenon	T5 Incandescent
COLOR TEMPERATURE	2800K	2750K
VOLTAGE	12v AC	
RATED WATTS	18w	12w
GROSS LUMENS	210	120
POWER CONSUMPTION	16.2w	11.6w
EFFICACY	13 lm/w	10 lm/w
COLOR RENDERING INDEX	>90 CRI	
RATED AVERAGE LIFE	10,000 hours	2,000 hours
DIMMABLE	Yes	
LAMP BASE	Wedge	
MINIMUM SPACING	6" on center	

See Ambiance-Lighting.com for additional photometric data.

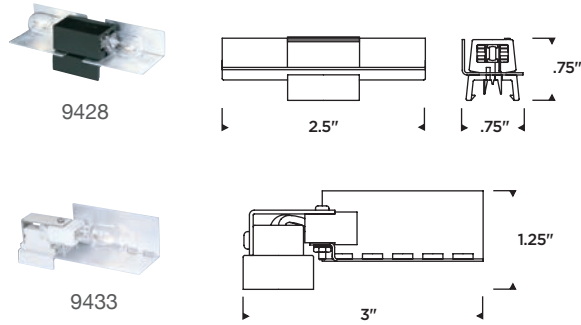
ITEM NUMBER	9727	9728	9729	9731	9732
LAMP TYPE	T3 1/4 Incandescent			T3 1/4 Xenon	
COLOR TEMPERATURE	2200K	2300K	2450K	2400K	2550K
VOLTAGE	12v AC	12v AC	12v AC	12v AC	12v AC
RATED WATTS	3w	5w	5w	3w	5w
LUMENS	8	23	26	15	33
POWER CONSUMPTION	2.1w	4w	3.9w	2.7w	4.2w
EFFICACY	4 lm/w	6 lm/w	7 lm/w	6 lm/w	8 lm/w
COLOR RENDERING INDEX	>90 CRI				
RATED AVERAGE LIFE	20,000 hours	9,000 hours	2,000 hours	19,000 hours	8,000 hours
DIMMABLE	Yes				
LAMP BASE	Wedge				
MINIMUM SPACING	4" on center				

See Ambiance-Lighting.com for additional photometric data.

# CHOOSE A LAMP & LAMPHOLDER

## WEDGE BASE LAMPHOLDERS

For use with our xenon and incandescent wedge base lamps, Ambiance Lx Wedge Base Lampholders feature a high quality reflector for minimizing light loss from your selected lamps. Choose from either our two lamp socket or our high illumination, single socket lampholders based on the needs of your application. Each lampholder snaps onto Lx Track and Cable with ease and can be spaced based on your criteria and lamp source (sold separately).



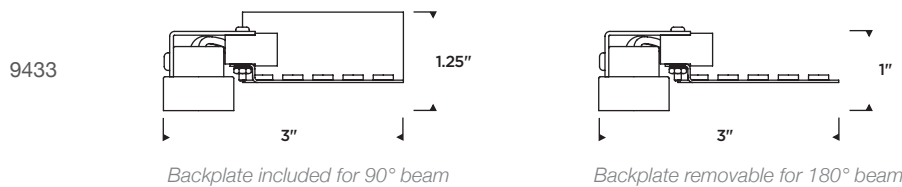
**NOTE:** After selecting lamp source and lampholder, proceed to page 56 to select cable.

ITEM NUMBER	9433-15	9428(-xx)
REFLECTOR	High illumination breakaway for 90° or 180° beam	Two lamp socket, ideal for cove lighting
VOLTAGE	12v and 24v AC	12v and 24v AC
CERTIFICATION	cETL, damp rated	cETL, damp rated
LAMP TYPE	T5 Wedge	T3¼ Wedge
MAX. WATTAGE	(1) 18w incandescent or xenon	(2) 5w incandescent or xenon
MIN. SPACING	6" on center	4" on center
MATERIAL / FINISH	White breakaway anodized aluminum reflector and heat resistant polycarbonate.	(-12) Black and (-15) White anodized aluminum reflector and heat resistant polycarbonate.

## APPLICATION GUIDE

APPLICATION	RECOMMENDED SPACING ON CENTER	SUGGESTED LAMP SOURCE(S)
Above Cabinet	2" - 4"	3w-5w Incandescent or Xenon
Under Cabinet	6"	8w-18w Incandescent or Xenon
Inside Cabinet	1 - 2 per shelf	3w-5w Incandescent or Xenon
Toe Space	2" - 4"	3w-5w Incandescent or Xenon
Showcase	6"	8w-18w Incandescent or Xenon
Cove	4"	3w-5w Incandescent or Xenon

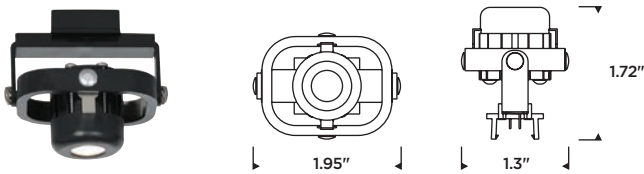
## REFLECTOR OPTIONS



## CHOOSE A LAMP

## DELL'ARTE DIRECTIONAL MODULES

Inspired by theater stage lights, these miniature directional LED heads enable you to easily aim light to emphasize certain areas or objects. Whether you want to highlight a statue you have out on your shelf or just provide directional lighting under your cabinet, the Dell'Arte LED module is a quick and easy accent to your Lx Cable system.



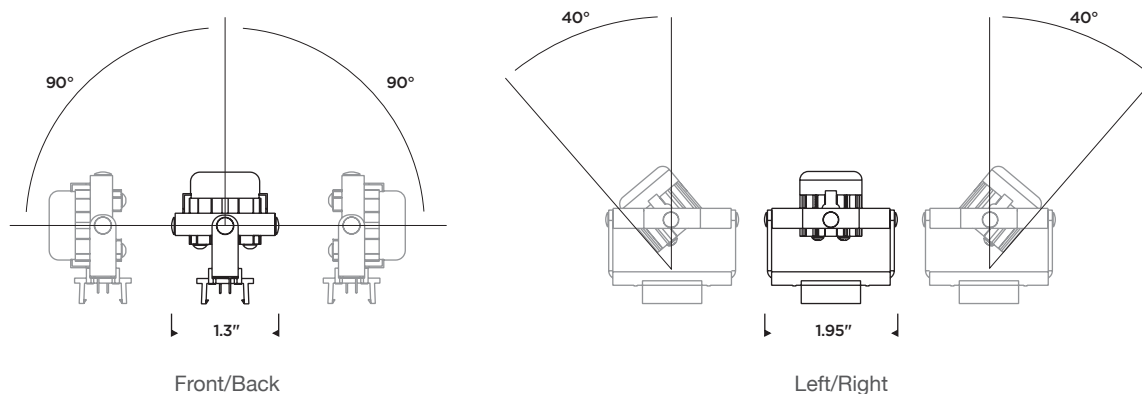
**NOTE:** Dell'arte modules do not require lampholders. See page 56 to select cable.

ITEM NUMBER	98321S(-xx)	98326S(-xx)	98322S(-xx)	98327S(-xx)
FINISH	(-12) Black and (-15) White			
COLOR TEMPERATURE	2700K	3000K	2700K	3000K
VOLTAGE	12v AC			
BEAM SPREAD	25°		60°	
DELIVERED LUMENS	65			
POWER CONSUMPTION	1.5w			
EFFICACY	46 lm/w			
COLOR RENDERING INDEX	>90 CRI			
RATED AVERAGE LIFE	50,000 hours to 70%			
DIMMABLE <sup>(1)</sup>	Down to 10%			
MAX ADJUSTABLE ROTATION	90° front/back from center. 40° right/left from center			
INSTALLATION	Directional modules snap onto the Lx track			
MINIMUM SPACING	1" between each module			
CERTIFICATION	cETL listed for Dry Locations			

<sup>(1)</sup> Ambiance Dell'Arte Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 108 for more on dimming.

See Ambiance-Lighting.com for additional photometric data.

## APPLICATION GUIDE





LX CABLE SYSTEM



STEP

## 2 SELECT CABLE

Spools of cable specially designed with easy piercing, self-sealing insulation over stranded copper wire for use with Ambiance Lx Cable Lighting System. Markings for lampholder placement every 2". Designed to be mounted in Ambiance Lx Track.



### INDOOR 25' SPOOL<sup>(1)</sup>

**9469-12**, black finish  
**9469-15**, white finish

L: 25' W: 0.375" H: 0.187"

### INDOOR 500' SPOOL<sup>(1)</sup>

**9472-12**, black finish  
**9472-15**, white finish

L: 500' W: .375" H: .187"

### INDOOR 50' SPOOL<sup>(1)</sup>

**9470-12**, black finish  
**9470-15**, white finish

L: 50' W: .375" H: .187"

### INDOOR 1000' SPOOL<sup>(1)</sup>

**9473-12**, black finish  
**9473-15**, white finish

L: 1000' W: .375" H: .187"

### INDOOR 100' SPOOL<sup>(1)</sup>

**9471-12**, black finish  
**9471-15**, white finish

L: 100' W: .375" H: .187"

<sup>(1)</sup> Lx 10/2 AWG 105° C cable is rated for indoor use only. Maximum wattage per length 300w at 12v; 600w at 24v cable is not rated to run behind walls. Check with local codes.

STEP

## 3 SELECT TRACK

### TRACK

Noryl® track to support cable and lampholders. Use double faced tape (9450), track clip (9438) or screws (9862) through pre-drilled holes to attach track to surface. Track may be flexed, notched, curved and easily cut for various applications.

**9435-12**, black finish  
**9435-15**, white finish

L: 48" W: .5" H: .25"



### TRACK WITH FASCIA PANEL

One piece Noryl® fascia panel with integral track to support cable and lampholders. Use under shelves or where system cannot be hidden behind a lip on cabinets. Track/fascia may be easily cut to various lengths. Use double faced tape (9450) track clip (9438) or screws (9862) through pre-drilled holes to attach track/fascia to surface. Use double-faced tape on glass and other smooth surfaces.

**9443-12**, black finish  
**9443-15**, white finish

L: 48" W: .875" H: 1.125"



**TRACK CLIP**

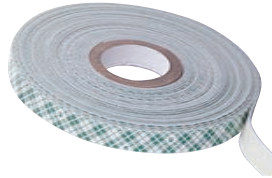
Polycarbonate track mounting clip. Easily snaps on at any point along 9435 track or 9443 track/fascia panel to secure to surface. Space clips according to weight of fixtures, to prevent track from sagging. Includes .375" long #4 screw.

**9438-12**, black finish  
**9438-15**, white finish  
 L: 1" W: .75" H: .343"

**DOUBLE FACED TAPE**

Specially designed "High Adhesion" 3M™ double-faced tape for use with 9435 track and 9443 track/fascia panel. Allow minimum 24 hours curing of adhesive prior to applying power to the circuit.

**9450**, 3M™  
 L: 25' W: .375" H: .031"

**SCREWS**

3/8" long #4 Phillips flat head screws for attaching 9435 track or 9443 track/fascia panel to surface. Each box contains 50 screws.

**9862**, Zinc finish  
 #4 L: .375"

**TAP OFF CONNECTOR**

Polycarbonate tap off connector. Use to tap off of low voltage Ambiance® Cable and create a parallel run for shelving, etc. Corrosion resistant contacts pierce the specially designed Ambiance® cable for electrical connection. Listed 12v and 24v. Wet location 12v only. Maximum wattage after connection on 105°C Ambiance® tap cable: 200w at 12v; 375w at 24v.

**9380-12**, black finish  
**9380-15**, white finish  
 L: 1.5" W: 1.5" H: .437"

**TRACK COVER**

Noryl® track cover to form a concealed race-way or conduit when used with 9435 track. Cover may be cut to fit between lampholders on track to hide cable. Cover snaps onto 9435 track and/or 9443 track/fascia panel.

**9439-12**, black finish  
**9439-15**, white finish  
 L: 48" W: .625" H: .312"

**LEFT OR RIGHT CORNER COVER**

Polycarbonate 90° right or left cover snaps onto 9435 track and 9439 cover to create finished look and a concealed raceway.

**9447-12**, black finish  
**9447-15**, white finish  
 L: 1.25" W: .812" H: .375"

**WALL TO CEILING COVER**

Polycarbonate 90° wall to ceiling cover snaps onto 9435 track and 9439 cover to create a finished look and a concealed raceway.

**9446-12**, black finish  
**9446-15**, white finish  
 L: .875" W: .812" H: .375"

**TRACK END CAP**

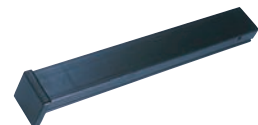
Polycarbonate end cover snaps onto 9435 track and 9439 cover to create a finished look and a concealed raceway.

**9445-12**, black finish  
**9445-15**, white finish  
 L: .812" W: .312" H: .375"

**FASCIA END CAP**

Polycarbonate fascia end cover snaps onto either end of 9443 track/fascia panel to create a finished look and to hide the lighting system when viewed from either end.

**9448-12**, black finish  
**9448-15**, white finish  
 L: 1.25" W: .312" H: 1.187"



## 4 SELECT COMPONENTS

### WIRING COMPARTMENT

Steel wiring compartment with hole for .5" conduit connector, snap on cover and opening for track and cable. Includes terminal block for connection between transformer extension wire (i.e. Romex type) and low voltage cable. Maximum 25 amps.

**9481-12**, black finish

**9481-15**, white finish

L: 2" W: 1.312" H: 1.25"



### MINIATURE WIRING

Compartment / Splicer  
Polycarbonate splicer with cover for connection between transformer extension wire (i.e. Romex) and low voltage cable, or LED Tape Connector. Maximum 25 amps.

**915010-12**, black finish

**915010-15**, white finish

L: 2" W: .968" H: .625"



### FUSED PLUG

For powering multiple Ambiance low voltage luminaires from an Lx Cable System. See page 98 for detailed wiring information.

**9488-12**, black finish

**9488-15**, white finish

L: .875" W: .75" H: .812"



## 5 SELECT TRANSFORMER

### MAGNETIC TRANSFORMERS

Magnetic transformers are encased in a powder coated metal enclosure that is potted to minimize noise and vibration. All are UL/cUL Listed, NEC 411 Approved, thermally protected, dimmable and have resettable magnetic circuit breakers for short circuit protection. Housings feature easy-hang bracket, wiring access door and knockouts for line voltage entry.

#### HARDWIRE 12V MAGNETIC TRANSFORMER

Include boost tap for use when transformer is located 20' or more from first light.



#### 75W 12V SINGLE OUTPUT

**94458-12**, black finish

L: 8.75" W: 4.25" H: 3.75"

#### 150W 12V SINGLE OUTPUT

**94460-12**, black finish

L: 10.5" W: 4.312" H: 4.312"

#### 300W 12V SINGLE OUTPUT

**94462-12**, black finish

L: 10.5" W: 4.375" H: 3.875"

#### 600W 12V (2 X 300W) DUAL OUTPUT

One switch operates both 300w outputs encased in housing. Balance load on each transformer output.

**94464-12**, black finish

L: 10.562" W: 5" H: 5"

#### HARDWIRE 24V MAGNETIC TRANSFORMER

24V 1000w model has a high ambient rating for use in areas up to 55°C (132°F). Include boost tap for use when transformer is located 20' or more from first light.



#### 75W 24V SINGLE OUTPUT

**94459-12**, black finish

L: 8.75" W: 4.25" H: 3.75"

#### 250W 24V SINGLE OUTPUT

**94461-12**, black finish

L: 10.75" W: 4.5" H: 4.25"

#### 500W 24V SINGLE OUTPUT

**94463-12**, black finish

L: 12.5" W: 6.25" H: 6"

#### 1000W 24V (2 X 500W) DUAL OUTPUT

One switch operates both 500w outputs encased in housing. Balance load on each transformer output.

**94465-12**, black finish

L: 12.5" W: 6.25" H: 6"

## ELECTRONIC TRANSFORMERS

The zero-load electronic transformers from Ambiance Lighting Systems provide industry leading technology in a small form factor. All now include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also have the added benefits of local on/off switches and a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

### 30W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**990000-12**, black finish  
**990000-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 75W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**990002-12**, black finish  
**990002-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 150W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**990004-12**, black finish  
**990004-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



### 30W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**990001-12**, black finish  
**990001-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 75W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**990003-12**, black finish  
**990003-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 150W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**990005-12**, black finish  
**990005-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



### 60W AC CLASS II<sup>(1)</sup>

UL 2108, flame resistant plastic enclosure. Includes terminal block for 12/2 AWG max Romex type input and 10/2 AWG Ambiance<sup>®</sup> Lx Cable output. Designed to be mounted vertically at the bottom of the unit. 6" input and output leads for easy installation.

*Wattage: 15w – 60w Class II*  
*Input: 120v AC Output: 12V AC*  
*Max Run: 35 ft.*

**9454-12**, black finish

L: 2.75" W: 1.5" H: 1.125"



<sup>(1)</sup> These transformers should not be used with LED systems.

### 150W AC CLASS I<sup>(1)</sup>

UL 2108, flame resistant plastic enclosure. Includes terminal block for 12/2 AWG max Romex type input and 10/2 AWG Ambiance<sup>®</sup> Lx Cable output. Designed to be mounted vertically at the bottom of the unit.

*Wattage: 60w – 150w Class I*  
*Input: 120v AC Output: 12V AC*  
*Max Run: 35 ft.*

**9456-12**, black finish

L: 6.25" W: 2.25" H: 1.67"



<sup>(1)</sup> These transformers should not be used with LED systems.

All electronic transformers require electronic low-voltage (ELV) dimmers for dimming. See pg. 108 for more on dimming.





# LED DISK LIGHTING

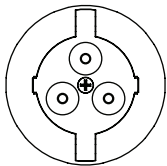




# LED DISK LIGHTING

Ambiance® LED Disk Lights are a sleek, efficient and affordable way to enhance residential and commercial spaces. They provide homogenous light with a smooth, shadowless beam. Their versatility allows Ambiance® LED Disk Lights to be installed as a stand-alone luminaire, a system of multiple disk lights, or as an addition to an Ambiance® Lx Cable Lighting System using our Fused Plug.

## CONFIGURE YOUR SYSTEM



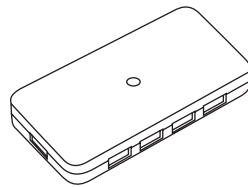
STEP

1

### CHOOSE DISKS

Select number of disks, housing color and color temperature needed for your project.

P. 64



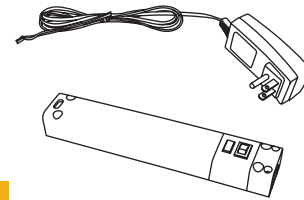
STEP

2

### SELECT CONNECTORS & ACCESSORIES

Order connection hubs, additional connector cords, extra cord mounting clips, wiring compartments and fused plugs needed for your installation. (Each disk includes a 36" linking cable.)

P. 65



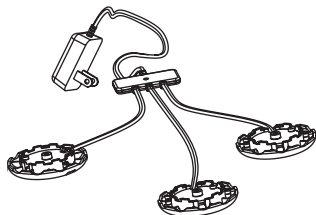
STEP

3

### SELECT TRANSFORMER

Multiply the number of disks in your system by 4w to determine transformer size needed. LED disks are 12v AC for use with 12v power supplies.

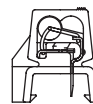
P. 66



### KITS

Pre-packaged 2 and 3 light kits are available including a plug-in transformer and everything needed for a typical installation.

P. 67



### FUSED PLUG

For connecting to Lx Cable System.

P. 110

## DESIGN GUIDELINES

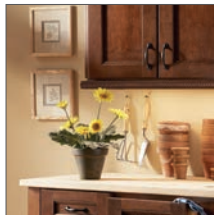
Ambiance® LED Disk Lighting is the high performance solution for spotlighting and direct illumination. Utilize the crisp and seamless beam spread of our LED chipsets to brighten your workspace or highlight areas of interest. With daisy chain or hub and spoke configuration options, placing light where you need it is a breeze.



IN CABINET



UNDER CABINET



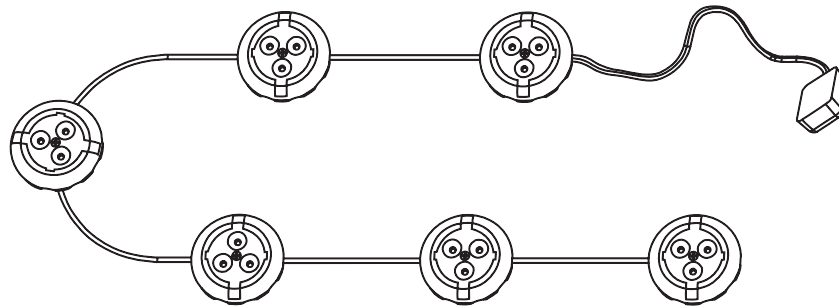
TASK / ACCENT



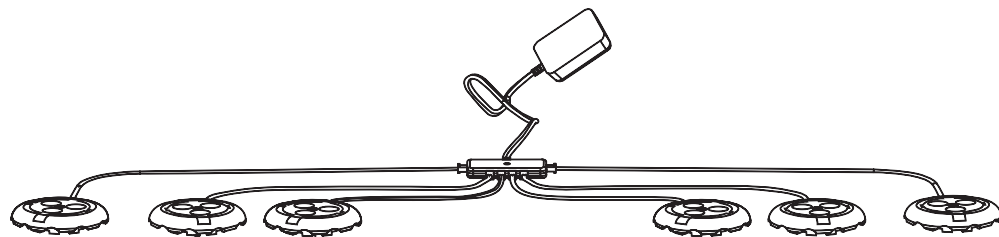
NICHES

## CONFIGURATION OPTIONS

Daisy Chain

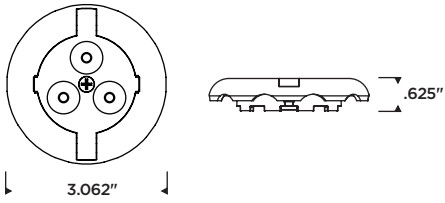


Hub and Spoke



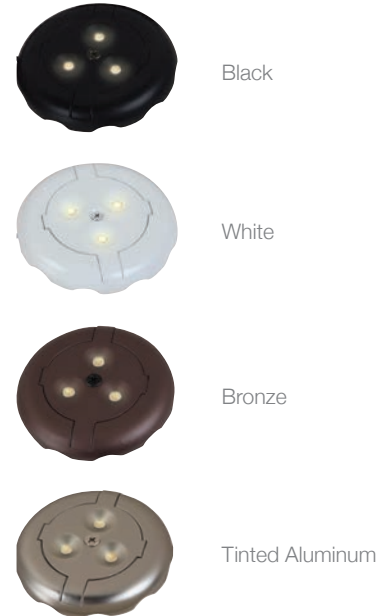
STEP  
**1** CHOOSE DISKS

**INDIVIDUAL LED DISKS\***



Ambiance® LED Disk Lighting is ideal for residential, commercial and retail applications with its ample lumen output and versatility. The low-profile 12v LED Disks can easily be daisy-chain or hub-and-spoke linked to power a maximum of six disks on one transformer. Choose from plug-in or hardwire transformers, or power your disks from an Lx Cable System using our Fused Plug (9488).

ITEM NUMBER	910012(-xx)	910013(-xx)
FINISH	(-12) Black, (-15) White, (-787) Bronze and (-986) Tinted Aluminum	
COLOR TEMPERATURE	2700K	3000K
VOLTAGE	12v AC	
DELIVERED LUMENS	160	170
POWER CONSUMPTION	4w	4w
EFFICACY	40 lm/w	43 lm/w
COLOR RENDERING INDEX	>85 CRI	
RATED AVERAGE LIFE	40,000 hours to 70%	
DIMMABLE <sup>(1)</sup>	Down to 10%	
CERTIFICATION	cETL, damp rated	
MATERIAL	Low-profile, die-cast aluminum with captive screw and 36" linking cord	
INCLUDED ACCESSORIES	36" connector cord, three cord clips	
OPTIONAL ACCESSORIES	Connector cords, connection hub	



<sup>(1)</sup> Ambiance LED Disks are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 108 for more on dimming.

\* For pre-packaged kits, see page 67.

See Ambiance-Lighting.com for additional photometric data.

**PHOTOMETRICS<sup>(2)</sup>**

**ZONAL LUMEN SUMMARY**

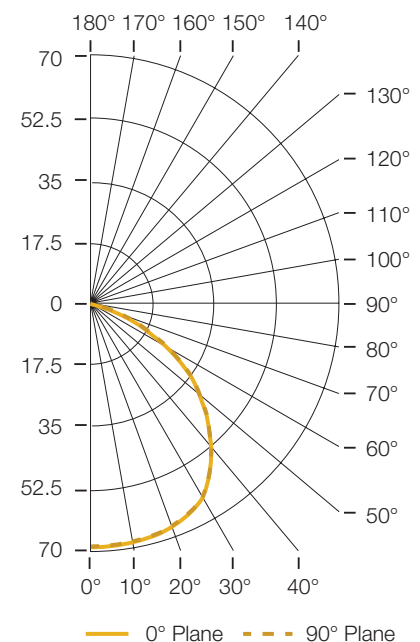
ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	56.7	32.5
0° – 40°	93.4	53.6
0° – 60°	157.7	90.4
0° – 90°	174.4	100
90° – 180°	0	0.0
0° – 180°	174.4	100

<sup>(2)</sup> Photometry based on (1) 98860SW(-xx) LED Disk in 3000K CCT.

**AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)**

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	60540	60540	60540
45°	58070	58070	58070
55°	48620	48620	48620
65°	32180	32180	32180
75°	1326	1326	1326
85°	0	0	0

**POLAR CANDELA CHART**



## SELECT DISK CONNECTORS &amp; ACCESSORIES

**6" CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**915004-12**, black finish

**915004-15**, white finish

L: 6" W: .5" H: .1875"

**12" CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**915005-12**, black finish

**915005-15**, white finish

L: 12" W: .5" H: .1875"

**18" CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**915006-12**, black finish

**915006-15**, white finish

L: 18" W: .5" H: .1875"

**10' CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**915007-12**, black finish

**915007-15**, white finish

L: 10' W: .5" H: .1875"

**10 PACK OF CORD MOUNTING CLIPS**

Plastic clips for securing cables on install.

**915008-12**, black finish

**915008-15**, white finish

L: .625" W: .375" H: .1875"

**CONNECTION HUB**

Includes one input port and 6 output ports for LED Disk Lights. 4 output ports front and one on each side. Mounting screw included.

**915009-12**, black finish

**915009-15**, white finish

L: 3" W: 1.25" H: .4375"

**MINIATURE WIRING COMPARTMENT / SPLICER**

Polycarbonate splicer with cover for connection between transformer extension wire (i.e. Romex) and low voltage cable or LED Disk Connector. Maximum 25 amps.

**915010-12**, black finish

**915010-15**, white finish

L: 2" W: .968" H: .625"

**FUSED PLUG**

For powering multiple Ambiance low voltage luminaires from an Lx Cable System. See page 116 for detailed wiring information.

**9488-12**, black finish

**9488-15**, white finish

L: .875" W: .75" H: .812"





## RECOMMENDED ELECTRONIC TRANSFORMERS

The transformers listed below are our recommendations for use with the LED Disk Lighting system. The system is also compatible with all the 12v AC magnetic and zero-load electronic transformers on pages 58-59<sup>(1)</sup>.

### PLUG-IN<sup>(2)</sup>



#### 30W 12V AC ZERO LOAD

Transformer consumes 1-1.5w. Includes on/off switch and 8' output cord for connection to first LED Disk Light in a row or optional connection hub.

*Wattage: 0w – 30w Class II*  
*Input: 120v AC | Output: 12v AC*

**915011-12**, black finish

**915011-15**, white finish

L: 3.3125" W: 1.5" H: 1.25"

### HARDWIRE TRANSFORMERS<sup>(2)</sup>

The zero-load electronic transformers from Ambiance Lighting Systems provide industry leading technology in a small form factor. All of these transformers include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also all feature local on/off switches and have a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

#### 30W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**990000-12**, black finish

**990000-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 30W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**990001-12**, black finish

**990001-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**990002-12**, black finish

**990002-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**990003-12**, black finish

**990003-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**990004-12**, black finish

**990004-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



#### 150W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**990005-12**, black finish

**990005-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



<sup>(1)</sup> Wiring LED Disks to Transformer without Output Cord

Using an LED Disk Connector Cord, cut and remove the male end. Strip your cables and wire normally to 12v output side of your transformer. Electronic transformers require electronic low-voltage dimmers to dim properly.

<sup>(2)</sup> All LED Disk electronic transformers require pairing with an electronic low voltage (ELV) dimmer for dimming.

LED DISK KITS\*



Black



White



Bronze



Tinted Aluminum



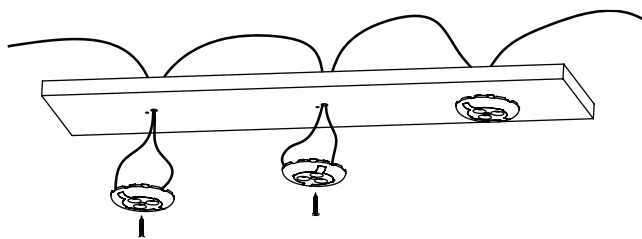
3 Light LED Disk Kit line art shown

Our LED Disk Lighting Kits offer two and three light, all-in-one packages for added convenience. Each package includes a plug-in 12v 30w zero load transformer, a LED Disk Connection Hub and all necessary mounting components. Up to six LED Disk Lights can be powered from one transformer and connection hub.

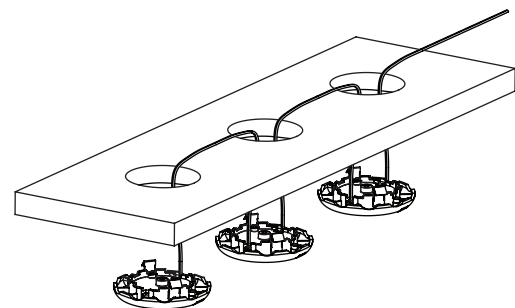
ITEM NUMBER	910014(-xx)	910016(-xx)	910015(-xx)	910017(-xx)
FINISH	(-12) Black, (-15) White, (-787) Bronze and (-986) Tinted Aluminum			
NUMBER OF DISKS	Two	Three	Two	Three
COLOR TEMPERATURE	2700K	2700K	3000K	3000K
VOLTAGE	12v AC			
TOTAL DELIVERED LUMENS	320	480	340	510
TOTAL POWER CONSUMPTION	8w	12w	8w	12w
EFFICACY	40 lm/w	40 lm/w	43 lm/w	43 lm/w
COLOR RENDERING INDEX	>85 CRI			
RATED AVERAGE LIFE	40,000 hours to 70%			
DIMMABLE <sup>(1)</sup>	Yes			
CERTIFICATION	cETL, damp rated			
MATERIAL	Low-profile, die-cast aluminum with captive screw and 36" linking cord			
INCLUDED ACCESSORIES	12V AC 30w Plug-in Transformer, LED Disk Connection Hub			

<sup>(1)</sup> Ambiance LED Disks are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 108 for more on dimming. See Ambiance-Lighting.com for additional photometric data.

MOUNTING OPTIONS



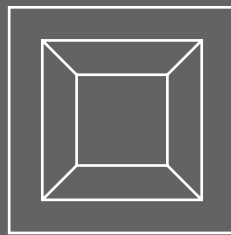
Surface mount via captive screw



Recessed Mount via 2 3/8" diameter hole



# SEREN 2" RECESSED LED DOWNLIGHTING



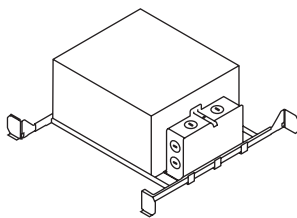


# SEREN 2" RECESSED LED DOWNLIGHTING

Ambiance's Seren give you specifier-grade design and construction in a budget conscious LED downlight that is perfect for residential and light commercial markets. Custom engineered for superior performance and reliability by our internal engineering team, Seren is easy to configure with a rich set of features that offer great flexibility of design without an overwhelming list of options.

## CONFIGURE YOUR SYSTEM

STEP  
1

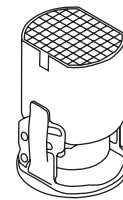


### CHOOSE YOUR HOUSING

Complete your room layout and then decide if you would like a round or square aperture and whether you need a housing for new construction or remodel. All of our housings include the driver and feature 1/2 inch knock-outs to simplify wiring. Our new construction housings feature true universal drivers and the remodel units can be ordered in either 120 or 277 voltage for two different ceiling heights. All of our drivers support TRIAC, ELV or 0-10v dimming.

P. 72

STEP  
2



### CHOOSE YOUR LED MODULE

Our LED modules are available in 4 color temperatures and include 20, 40 and 65 degree optics. Every model features quick-connect wiring and snap-in design to make it simple to fit into either of our housings. With hot-aiming (90-30 degree tilt and 359 degree rotation) and the ability to add additional lenses or louvers it is simple to customize your installation.

P. 73



## DESIGN GUIDELINES

Seren 2" Recessed LED Downlights work well for general illumination or accent lighting in both residential and commercial settings. Engineered for simple installation and user adjustment, Seren comes in a variety of configurations and designs including housings for both new and existing construction and flanged or flangeless installations to help you get the perfect look no matter the application.



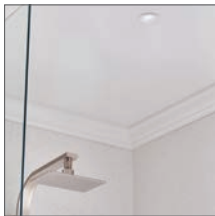
GENERAL ILLUMINATION



WALL WASH



NICHES



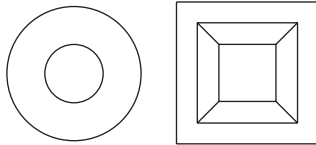
SHOWER



ACCENT

## CONFIGURE YOUR SYSTEM

STEP  
3

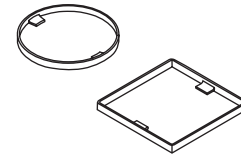


### CHOOSE YOUR TRIM

Flanged or flangeless, beveled or flat, Seren is available with a wide variety of trims in either painted satin nickel or white. Each trim is made of die-cast aluminum and is designed to put the finishing touch on your recessed installation.

P. 74

STEP  
4



### CHOOSE OPTIONAL ACCESSORIES

Whether you need extra lenses, louvers or just replacement optics, you will find the parts here.

P. 75

## NEW CONSTRUCTION HOUSINGS

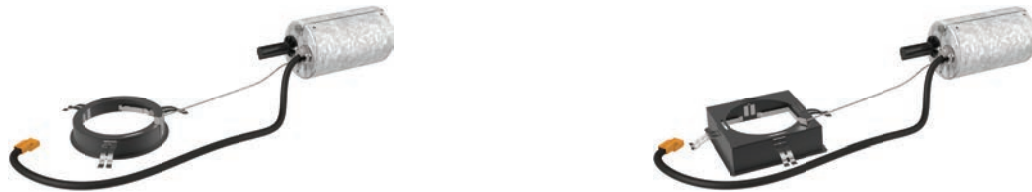
Complete unit with housing, driver, hanger bars and captive nails. These housings feature standard 1/2 inch knock-outs and are IC Rated for contact with insulation, air-tight and Chicago Plenum Rated. Easily mounts to joists using standard hanger bars with captive nails. Available with either round or square apertures, these housings both feature universal drivers for 120-277 inputs.



APERTURE	Round		Square	
FLANGING	Flanged	Flangeless	Flanged	Flangeless
ITEM #	920036	920038	920037	920039
VOLTAGE	Universal (120-277)	Universal (120-277)	Universal (120-277)	Universal (120-277)
LISTINGS	IC, Air Tight and Chicago Plenum Rated			
DIMMING	Universal Dimming (Triac, ELV and 0-10v)			
INCLUDED ACCESSORIES		Housing and round flangeless plate with install screws		Housing and round flangeless plate with install screws
DIMENSIONS	Housing: 12.3" x 8.8" x 5.4" Hanger bars extend 14" - 24"	Housing: 12.3" x 8.8" x 5.4" Hanger bars extend 14" - 24"	Housing: 12.3" x 8.8" x 5.4" Hanger bars extend 14" - 24"	Housing: 12.3" x 8.8" x 5.4" Hanger bars extend 14" - 24"

## EXISTING CONSTRUCTION HOUSINGS

Complete unit with housing, driver and trim collar for Seren insertion into existing ceilings. Available in either 120 or 277 volt versions, these housings are well suited for residential or commercial applications.



APERTURE	Round				Square			
FLANGING	Flanged		Flangeless		Flanged		Flangeless	
CEILING THICKNESS	1/2" to 5/8"	3/4" to 1"	1/2" to 5/8"	3/4" to 1"	1/2" to 5/8"	3/4" to 1"	1/2" to 5/8"	3/4" to 1"
ITEM # (120V)	920041	920042	920045	920046	920043	920044	920047	920048
ITEM # (277V)	920049	920050	920053	920054	920051	920052	920055	920056
INCLUDED ACCESSORIES	Housing, driver, collar and round flangeless plate with install screws				Housing, driver, collar and round flangeless plate with install screws			
DIMMING	Universal Dimming (Triac, ELV and 0-10v)							
DIMENSIONS	Collar: 4.25" H: 1.2" J-box: D: 2.85" L: 6.5"	Collar: 4.25" H: 1.68" J-box: D: 2.85" L: 6.5"	Collar: 4.25" H: 1.2" J-box: D: 2.85" L: 6.5"	Collar: 4.25" H: 1.68" J-box: D: 2.85" L: 6.5"	Collar: 4.25" x 4.25" x 1.2" J-box: D: 2.85" L: 6.5"	Collar: 4.25" x 4.25" x 1.5" J-box: D: 2.85" L: 6.5"	Collar: 4.25" x 4.25" x 1.2" J-box: D: 2.85" L: 6.5"	Collar: 4.25" x 4.25" x 1.5" J-box: D: 2.85" L: 6.5"

### SEREN LED MODULES

Ambiance Seren LED Modules are designed to provide specifier grade performance and customization at an affordable price. Available in 4 different color temperatures, each Seren module includes user replaceable optics for 20, 40 or 65 degree beam spread plus the capability to hold an additional two lenses or louvers. To make adjustments easy, each module includes stamped angle markings and allows for tool-free hot aiming (359 degrees rotation or 30 degree tilt). A custom designed, deep-drawn aluminium heat sink caps off the sophisticated engineering behind the Seren module and provides the thermal management needed for optimal performance over the course of the rated 50,000 hour lifetime.



ITEM #	925000	925003	925006	925009
COLOR TEMPERATURE	2700K	3000K	3500K	4000K
DIMENSIONS	D: 3.2" H: 4.5"			
POWER CONSUMPTION	12 W			
DELIVERED LUMENS	775	800	825	850
EFFICACY	64 lm/w	66 lm/w	68 lm/w	70 lm/w
CRI	90+			
BEAM SPREAD	Optics included for user configuration to 20, 40 or 65 degrees. User can add 2 additional lenses or louvers.			
RATED LIFE	50,000 to 70%			
LISTINGS	ETL, Energy Star, Title 24			
DESCRIPTION	Hot-aimable (359 degree rotation and 90-30 degree tilt)			

See Ambiance-Lighting.com for additional photometric data.

## SEREN RECESSED TRIMS

Ambiance Seren trims are constructed from die-cast aluminum for maximum rigidity with minimal thickness. All receive a durable, painted finish in either white or satin nickel. If you desire another trim color to better match your ceiling, our white trim is able to be repainted. The Seren trims below are designed to be used with either our new construction or retrofit housings in ceilings up to 1" thick.

## ROUND TRIMS

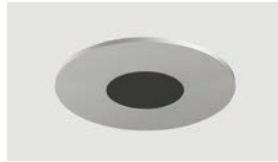
## FLANGED



ROUND FLANGED BEVEL

**925014-849**, satin nickel finish  
**925014-15**, white finish

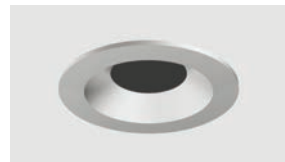
OD: 4.6" ID: 1.8" H: 0.6"



ROUND FLANGED FLAT

**925012-849**, satin nickel finish  
**925012-15**, white finish

OD: 4.6" ID: 2.0" H: 0.5"

ROUND FLANGED SHOWER  
*(includes frosted lens)*

**925018-849**, satin nickel finish  
**925018-15**, white finish

OD: 4.6" ID: 1.8" H: 0.75"

ROUND FLANGED WALL WASH  
*(includes linear spread lens)*

**925016-849**, satin nickel finish  
**925016-15**, white finish

OD: 4.6" ID: 1.8" H: 1.0"

## FLANGELESS



ROUND FLANGELESS BEVEL

**925022-849**, satin nickel finish  
**925022-15**, white finish

OD: 3.5" ID: 1.8" H: 0.6"



ROUND FLANGELESS FLAT

**925020-849**, satin nickel finish  
**925020-15**, white finish

OD: 3.5" ID: 2.0" H: 0.5"

ROUND FLANGELESS SHOWER  
*(includes frosted lens)*

**925026-849**, satin nickel finish  
**925026-15**, white finish

OD: 3.5" ID: 1.8" H: 0.75"

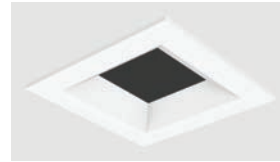
ROUND FLANGELESS WALL WASH  
*(includes linear spread lens)*

**925024-849**, satin nickel finish  
**925024-15**, white finish

OD: 3.5" ID: 1.8" H: 1.0"

## SQUARE TRIMS

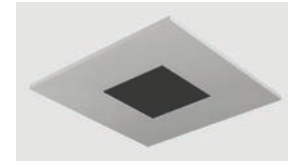
## FLANGED



SQUARE FLANGED BEVEL

**925015-849**, satin nickel finish  
**925015-15**, white finish

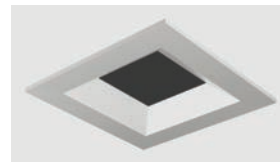
OD: 4.6" sq. ID: 1.8" sq. H: 0.5"



SQUARE FLANGED FLAT

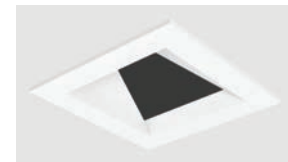
**925013-849**, satin nickel finish  
**925013-15**, white finish

OD: 4.6" sq. ID: 2" sq. H: 0.5"

SQUARE FLANGED SHOWER  
*(includes frosted lens)*

**925019-849**, satin nickel finish  
**925019-15**, white finish

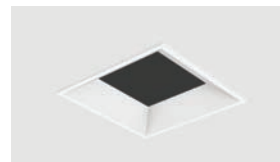
OD: 4.6" sq. ID: 1.8" sq. H: 0.6"

SQUARE FLANGED WALL WASH  
*(includes linear spread lens)*

**925017-849**, satin nickel finish  
**925017-15**, white finish

OD: 4.6" sq. ID: 1.8" x 2.6" max H: 0.9"

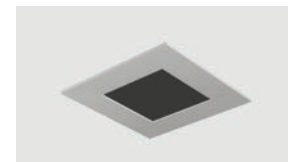
## FLANGELESS



SQUARE FLANGELESS BEVEL

**925023-849**, satin nickel finish  
**925023-15**, white finish

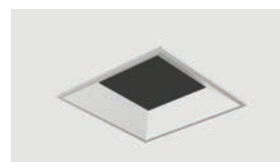
OD: 3.5" sq. ID: 1.8" sq. H: 0.6"



SQUARE FLANGELESS FLAT

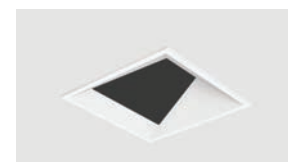
**925021-849**, satin nickel finish  
**925021-15**, white finish

OD: 3.5" sq. ID: 2" sq. H: 0.5"

SQUARE FLANGELESS SHOWER  
*(includes frosted lens)*

**925027-849**, satin nickel finish  
**925027-15**, white finish

OD: 3.5" sq. ID: 1.8" sq. H: 0.6"

SQUARE FLANGELESS WALL WASH  
*(includes linear spread lens)*

**925025-849**, satin nickel finish  
**925025-15**, white finish

OD: 3.5" sq. ID: 1.8" x 2.6" max. H: 0.9"

OPTIONAL ACCESSORIES

**SOLITE SOFT FOCUS LENS**

**925028**

D: 2"

**DIFFUSER LENS SPREAD**

**925031**

D: 2"

**SQUARE TRIM COLLAR EXTENSION**

Collar extender for one inch thick ceilings. Mounts on back of square trim to eliminate light leak from housing into ceiling.

**925034-12**, black finish

3.3" x 3.3" x 0.25"

**SANDBLASTED LENS**

**925029**

D: 2"

**CLEAR LENS**

**925032**

D: 2"

**ROUND TRIM COLLAR EXTENSION**

Collar extender for one inch thick ceilings. Mounts on back of round trim to eliminate light leak from housing into ceiling.

**925035-12**, black finish

D: 3.3" H: .25"

**LINEAR SPREAD LENS**

**925030**

D: 2"

**EGGCRATE LOUVER**

**925033**

D: 2"

REPLACEMENT PARTS

**20° BEAM SPREAD LENS**

Replacement 20 degree lens for use on Seren LED modules.

**925001**

D: 2" H: 1"

**ROUND FLANGELESS PLATE**

Replacement mud/plaster plate for use with Seren round flangeless trims on either new construction or remodel housings. Includes install screws.

**925042**

D: 5.9"



**40° BEAM SPREAD LENS**

Replacement 40 degree lens for use on Seren LED modules.

**925002**

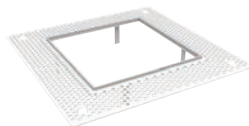
D: 2" H: 1"

**SQUARE FLANGELESS PLATE**

Replacement mud/plaster plate for use with Seren square flangeless trims on either new construction or remodel housings. Includes install screws.

**925043**

5.9" x 5.9"



**65° BEAM SPREAD LENS**

Replacement 65 degree lens for use on Seren LED modules.

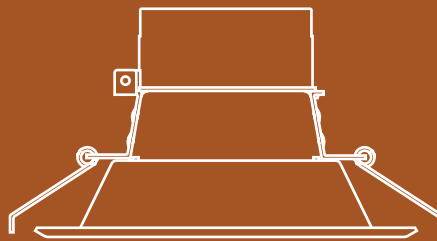
**925004**

D: 2" H: 1"





# TRAVERSE 4" & 6" LED DOWNLIGHTING



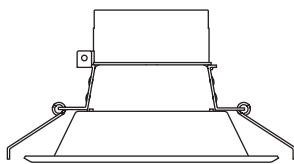


# TRAVERSE

Ambiance Lighting's Traverse LED Downlights offer the performance features desired from incandescent downlights — dimmability, 90 color rendering index and similar aesthetics — while using a fraction of the electricity, virtually eliminating maintenance expense and lasting 25x's longer (50,000 hours) than their incandescent equivalents. Offered in multiple shapes and sizes for both 4" or 6" new construction or retrofit applications the Traverse line of LED downlights is a great general illumination source for many different settings.

---

## SELECT YOUR SYSTEM



### TRAVERSE UNLIMITED

Designed to replace traditional 6" recessed lights the Traverse Unlimited produces 750 lumens and comes in either round or square styles. Available in 3 finishes the Unlimited is ENERGY STAR qualified and meets the California's Title 24 requirements.

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### TRAVERSE LYTE

6" round LED downlight for retrofit or new construction. Comes in two finishes and produces a crisp white 3000K light at 90 CRI. Fits to virtually any junction box or retrofits into most 5" or 6" recessed housings using the optional Edison base adapter and spring clips.

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## DESIGN GUIDELINES

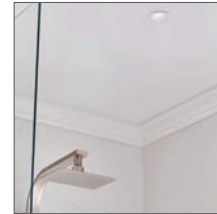
Ambiance Traverse LED Downlights work well as the general, task or accent lighting in any space. Use the 6" version overhead in areas like kitchens or great rooms, include the 4" version for accent illumination in niches or use either size to provide additional light in your shower. With designs for both new construction and retrofits, the Traverse is an extremely versatile fixture that works well in any home.



CEILING

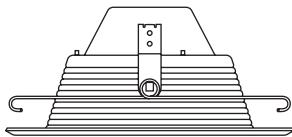


NICHE



SHOWER

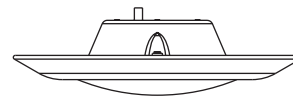
## SELECT YOUR SYSTEM



### TRAVERSE INSERT

6" retrofit LED insert that is designed to work with most 5" or 6" recessed housings using the included spring clips and Edison adapter. Available in either 2700K or 3000K with warm-color dimming technology the Traverse Insert mimics the look and performance of a traditional light bulb.

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### TRAVERSE 4"

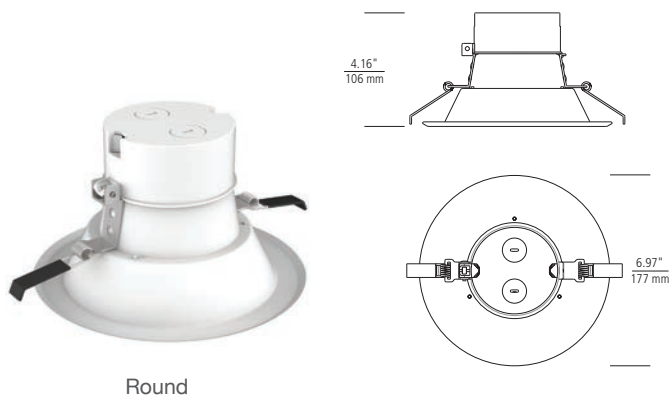
Designed for retrofit or new construction, the Traverse 4" comes in either 2700K or 3000K color temperatures and features warm-color dimming technology to mimic the performance of an incandescent light bulb. Mount to junction boxes with 1.5" depth or retrofit to many recessed housings with adapter.

P. 86

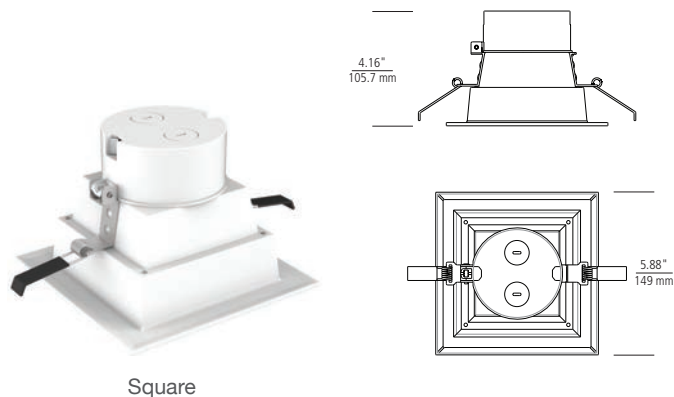
## SELECT YOUR FIXTURE

## TRAVERSE UNLIMITED

Traverse Unlimited Recessed LED Downlight is designed for superior performance and value. Unlike other recessed lights, the Traverse Unlimited's innovative design incorporates a wiring compartment, housing light source and trim into one unit you purchase completely assembled and ready for install. This unibody design means installation can be accomplished in under 6 minutes using only three tools (square unit includes opening template). Available in both 6" round and square formats in three different finishes, the Traverse Unlimited will change the way you view recessed lighting.



Round



Square

## ORDERING GRID

STYLE	Traverse Unlimited Round	Traverse Unlimited Square
ITEM NUMBER	920012(-xx)	920013(-xx)
FINISH	(-15) White, (-171) Antique Bronze and (-849) Satin Nickel	
COLOR TEMPERATURE	3000K	
DELIVERED LUMENS	750	
POWER CONSUMPTION	14w	
EFFICACY	55 lm/w	
COLOR RENDERING INDEX	90 CRI	
BEAM SPREAD	Lambertian	
RATED AVERAGE LIFE	50,000 hours to 70%	
DIMMABLE <sup>(1)</sup>	Yes to 5%	
WARM ON DIM	No	
VOLTAGE	120v	
POWER FACTOR	>.9	
AMBIENT OPERATING TEMP.	-20°C to +45°C	
CONSTRUCTION	Spun aluminum, powder coated	Cast aluminum, powder coated
LENS	Polycarbonate	
WARRANTY	5 years	
INSTALLATION	New construction and retrofit	
CERTIFICATION	IC Rated, Wet Rated for shower ceilings, Energy Star® Qualified, Title 24	

<sup>(1)</sup> Dims best with electronic low voltage (ELV) dimmers. When sizing the dimmer, de-rate it by 30% to account for in-rush current. (i.e. a standard 600 watt dimmer will have a 420 watt capacity when used with these fixtures) For list of approved dimmers go to the Tools & Downloads section of our website.

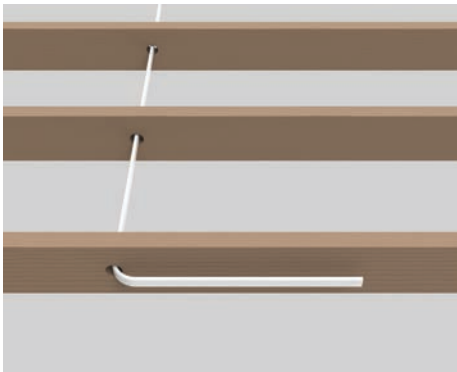
See Ambiance-Lighting.com for additional photometric data.



### DIMMER COMPATIBILITY

FORBES & LOMAX	FLR603P
LEGRAND	HCL45-3PW
LEVITON	DSL06-1LZ
LUTRON	SELV-300P, DVELV-300P, NTELV-500, RRD-6NA, MRF-2-6ELV-120, HQRD-6NA, TGCL-153P, SCL-153P-WH, DVCL-153P, LGCL-153P, MACL-153M, PD-6WCL, AY-600P-WH, D-600P-WH, GL-600P-WH, S-600P, DV-600P

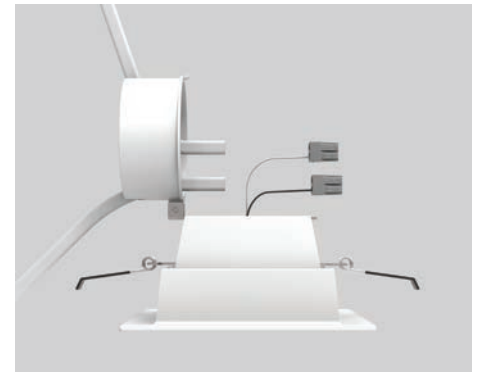
### UNLIMITED INSTALLATION



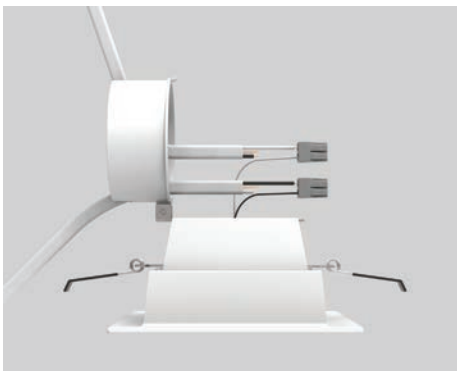
**STEP 1** Pull wire to approximate location of fixture during rough-in, leaving enough to reach the Traverse Unlimited unit at install.



**STEP 2** Cut hole in ceiling where the Traverse Unlimited unit will be installed (square unit includes template).



**STEP 3** Open Traverse Unlimited's integrated wiring compartment. Pull wire out through the cut hole, trim to length and strip wire ends.



**STEP 4** Insert stripped wire ends into the speed connectors, supplied on the Traverse Unlimited units. Close the wiring compartment.



**STEP 5** Fold the spring loaded arms back against the Traverse Unlimited housing and slip unit up into cut hole.

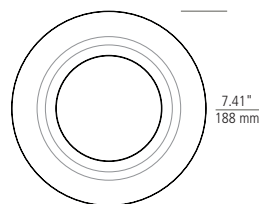


**STEP 6** Above the ceiling, spring loaded arms will release, pulling the unit up and into place.

## SELECT YOUR FIXTURE

## TRAVERSE LYTE

Traverse LED Lyte is a highly affordable alternative to the traditional recessed light for either new construction or retrofit applications. Available in either white or satin nickel finishes, the 6" round aperture hugs the ceiling surface and can be installed on virtually any junction box or retrofit into most 5" and 6" recessed housings with the optional Edison base adaptor and clips. ENERGY STAR qualified, the Traverse Lyte produces 800 lumens of light on only 14.4 watts of electricity.



## ORDERING GRID

ITEM NUMBER	920014(-xx)
FINISH	(-15) White and (-849) Satin Nickel
COLOR TEMPERATURE	3000K
DELIVERED LUMENS	800
POWER CONSUMPTION	14.4w
EFFICACY	55 lm/w
COLOR RENDERING INDEX	90 CRI
BEAM SPREAD	Lambertian
RATED AVERAGE LIFE	50,000 hours to 70%
DIMMABLE <sup>(1)</sup>	Yes to 5%
WARM ON DIM	No
VOLTAGE	120v
POWER FACTOR	>.9
AMBIENT OPERATING TEMP.	-40°C to +35°C
CONSTRUCTION	Stamped aluminum, powder coated
LENS	Polycarbonate
WARRANTY	5 years
INSTALLATION	New construction on 3" and 4" round junction boxes, 4" steel and retrofit to 5" and 6" recess cans with retrofit kit
CERTIFICATION	Wet Rated for shower ceilings, Energy Star® Qualified

<sup>(1)</sup> Dims best with electronic low voltage (ELV) dimmers. When sizing the dimmer, de-rate it by 30% to account for in-rush current. (i.e. a standard 600 watt dimmer will have a 420 watt capacity when used with these fixtures) For list of approved dimmers go to the Tools & Downloads section of our website.

See Ambiance-Lighting.com for additional photometric data.

### DIMMER COMPATIBILITY

FORBES & LOMAX	FLR603P
LEGRAND	HCL45-3PW
LEVITON	DSL06-1LZ
LUTRON	SELV-300P, DVELV-300P, NTELV-500, MAELV-600, AY-600P-WH, D-600P-WH, GL-600P-WH, S-600P, DV-600P

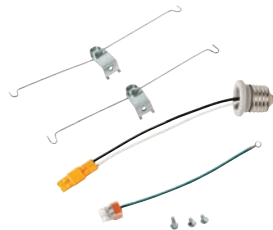
### RECESSED HOUSING COMPATIBILITY

ALL-PRO	EI500AT, EI500RAT, ET500, ET500R, EI700AT, EI700RAT, EI700ATNB, EI700, EI700R, EI700NB, ET700,ET700R, EI700U, EI700UAT, EI2700AT, EI2700, ET2700, ET2700R
CAPRI	CR1, PR1, QL1, R9ASIC
COMMERCIAL ELECTRIC	H3, H17, H18
ELCO	EL71CA
HALO	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICAT, H7UICAT, H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT, H5ICAT, H5RICAT, H5T, H5RT, H25ICAT
JUNO	ICG22/R/W/S, IC23/W, IC21/R, TC2/R, IC20, IC25/W/S, TC20
LIGHTOLIER	11041CS/ICR/SIC/SICR, 1104ICX (with ML7RAB housing adapter)
PRESCOLITE	IBXS
PROGRESS	P87 (with ML7RAB housing adapter). Requires mounting clip accessory (sold separately). Consult factory for details.
SEA GULL LIGHTING	1128, 1128QC, 11028, 11028QC, 11128, 11128QC, 11118, 11018, 1128FB
THOMAS	PS1, PS9RM

#### 5" & 6" TRAVERSE RETROFIT KIT

For housings with integral "C" clips.

**920015**



#### RETROFIT C CLIPS TRAVERSE

For housings without integral "C" clips.

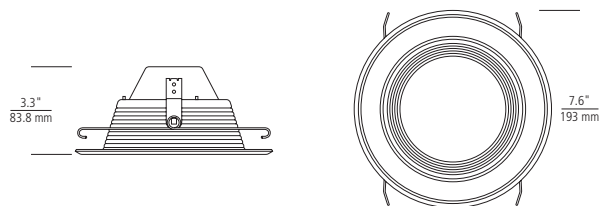
**920016**



## SELECT YOUR FIXTURE

## TRAVERSE INSERT

The 6" Traverse LED Insert offers the traditional recessed look and feel with unparalleled efficacy of LED. Available in both 2700K or 3000K color temperatures and 90 CRI, this is a terrific upgrade to existing recessed downlights when doing a remodel. Unlike other LED products, the Traverse Insert features warm-color dimming technology that creates a more yellow/orange colored light as it is dimmed to set the right mood for the space just like you would see with a traditional incandescent light fixture.



## ORDERING GRID

ITEM NUMBER	920019(-xx)	920020(-xx)
FINISH	(-15) White	
COLOR TEMPERATURE	2700K	3000K
DELIVERED LUMENS	715	750
POWER CONSUMPTION	14w	
EFFICACY	51 lm/w	54 lm/w
COLOR RENDERING INDEX	90 CRI	
BEAM SPREAD	Lambertian	
RATED AVERAGE LIFE	50,000 hours to 70%	
DIMMABLE <sup>(1)</sup>	Yes to 5%	
WARM ON DIM	Yes	
VOLTAGE	120v	
POWER FACTOR	>.9	
AMBIENT OPERATING TEMP.	-40°C to +35°C	
LENS	Polycarbonate	
WARRANTY	5 years	
CONSTRUCTION	Stamped aluminum powder coated	
INSTALLATION	6" Recess retrofit	

<sup>(1)</sup> Dims best with electronic low voltage (ELV) dimmers. When sizing the dimmer, de-rate it by 30% to account for in-rush current. (i.e. a standard 600 watt dimmer will have a 420 watt capacity when used with these fixtures) For list of approved dimmers go to the Tools & Downloads section of our website.

See Ambiance-Lighting.com for additional photometric data.

### DIMMER COMPATIBILITY

FORBES & LOMAX	FLR603P
LUTRON	SELV-300P, DVELV-300P, NTELV-500, RRD-6NA, MAELV-600, MRF-2-6ELV-120, HQRD-6NA, TGCL-153P, SCL-153P, DVCL-153P, LGCL-153P, DSL06-1LZ, GL-600P, S-600P, DV-600P

### RECESSED HOUSING COMPATIBILITY

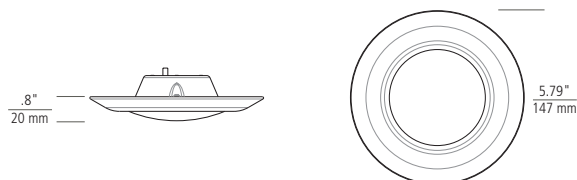
ALL-PRO	ET400R, EI400 ATSB, ET 400 ATSB, ET400R ATSB
COMMERCIAL ELECTRIC	HBR2000R, HBR2000BA
HALO	H99RTAT, H99RT
JUNO	TC1R, TC1, IC1
LITHONIA LIGHTING	L3, L3R
SEA GULL LIGHTING	1105, 1115, 1179



## SELECT YOUR FIXTURE

## TRAVERSE 4"

The Traverse 4" LED Downlight is an attractive, energy efficient alternative to traditional recessed down lights for both new construction or retrofit applications. Using the optional adapter you can retrofit this fixture onto many common 4" recessed housings or it can also be installed on 4" square or octagonal junction boxes with a minimum depth of 1.5" for new construction projects. Generating 475 to 500 lumens, the 4" Traverse is available in either 2700K or 3000K color temperatures and features our warm-color temperature dimming technology that creates a more yellow/orange colored light as it is dimmed to set the right mood for the space just like a traditional incandescent light fixture.



## ORDERING GRID

ITEM NUMBER	920017(-xx)	920018(-xx)
FINISH	(-15) White	
COLOR TEMPERATURE	2700K	3000K
DELIVERED LUMENS	475	500
POWER CONSUMPTION	9w	
EFFICACY	53 lm/w	56 lm/w
COLOR RENDERING INDEX	90 CRI	
BEAM SPREAD	Lambertian	
RATED AVERAGE LIFE	50,000 hours to 70%	
DIMMABLE <sup>(1)</sup>	Down to 5%	
WARM ON DIM	Yes	
VOLTAGE	120v	
POWER FACTOR	>.9	
AMBIENT OPERATING TEMP.	-40°C to +35°C	
CONSTRUCTION	Stamped aluminum powder coated	
LENS	Polycarbonate Snap In	
WARRANTY	5 years	
INSTALLATION	4" recess retrofit and 4" square or octagonal J-box with a minimum depth of 1.5"	
CERTIFICATION	Wet Rated for use on shower ceilings	

<sup>(1)</sup> Dims best with electronic low voltage (ELV) dimmers. When sizing the dimmer, de-rate it by 30% to account for in-rush current. (i.e. a standard 600 watt dimmer will have a 420 watt capacity when used with these fixtures) For list of approved dimmers go to the Tools & Downloads section of our website.

See Ambiance-Lighting.com for additional photometric data.

### DIMMER COMPATIBILITY

FORBES & LOMAX	FLR603P
LUTRON	SELV-300P, DVELV-300P, NTELV-500, RRD-6NA, MAELV-600, MRF-2-6ELV-120, HQRD-6NA, TGCL-153P, SCL153P, DVCL-153P, LGCL-153P, DSL06-1LZ, GL-600P, S-600P, DV-600P

### RECESSED HOUSING COMPATIBILITY

ALL-PRO	ET400R, EI400 ATSB, ET 400 ATSB, ET400R ATSB
COMMERCIAL ELECTRIC	HBR2000R, HBR2000BA
HALO	H99RTAT, H99RT
JUNO	TC1R, TC1, IC1
LITHONIA LIGHTING	L3, L3R
SEA GULL LIGHTING	1105, 1115, 1179

#### 4" TRAVERSE RETROFIT KIT

For housings with integral "C" clips.

**920021**



#### RETROFIT C CLIPS TRAVERSE

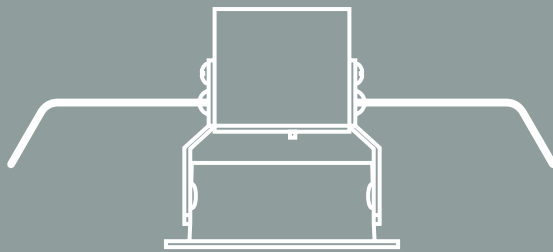
For housings without integral "C" clips.

**920016**





# LED NICHE LIGHTING





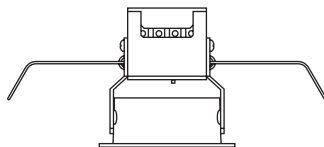
# LUCARNE LED NICHE LIGHTS

The Lucarne LED niche lights from Ambiance Lighting System combine a compact size with advanced LEDs to provide superior quality light from a small package. Available in fixed or adjustable downlights, each of these units feature 90 CRI in your choice of 2700K, 3000K or 4000K and can be had in either 12 or 24 volts. For maximum flexibility, each light ships with both a 30° and 65° beam spread lens included so you can adjust as needed during installation or easily reconfigure at a later date. With a choice of three finishes and two shapes, these niche lights are easy to place in virtually any setting. Whether you are looking for accent lighting to draw attention to architectural details of a space, wanting to highlight items on display, or just provide an additional layer of lighting to a room, the Lucarne Niche Lights provide you the ultimate flexibility and level of illumination.

---

## CONFIGURE YOUR SYSTEM

STEP  
1

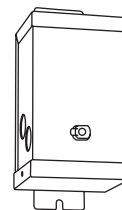


### CHOOSE A DESIGN

Select either adjustable or fixed downlight versions based on your application.

P. 92-93

STEP  
2



### SELECT TRANSFORMER

Lucarne LED Niche lights work with any of the Ambiance Lx AC transformers.

P. 94

## DESIGN GUIDELINES

Ambiance® Lucarne LED Niche Lighting offers lamp and beam options that shape and direct light right to your specifications. Add another layer of lighting to your space by highlighting objects on display with a directional fixture or accentuate architectural details with a fixed downlight.



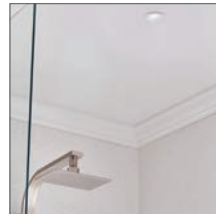
WALL GRAZING



SHOWCASE / SHELF



NICHES



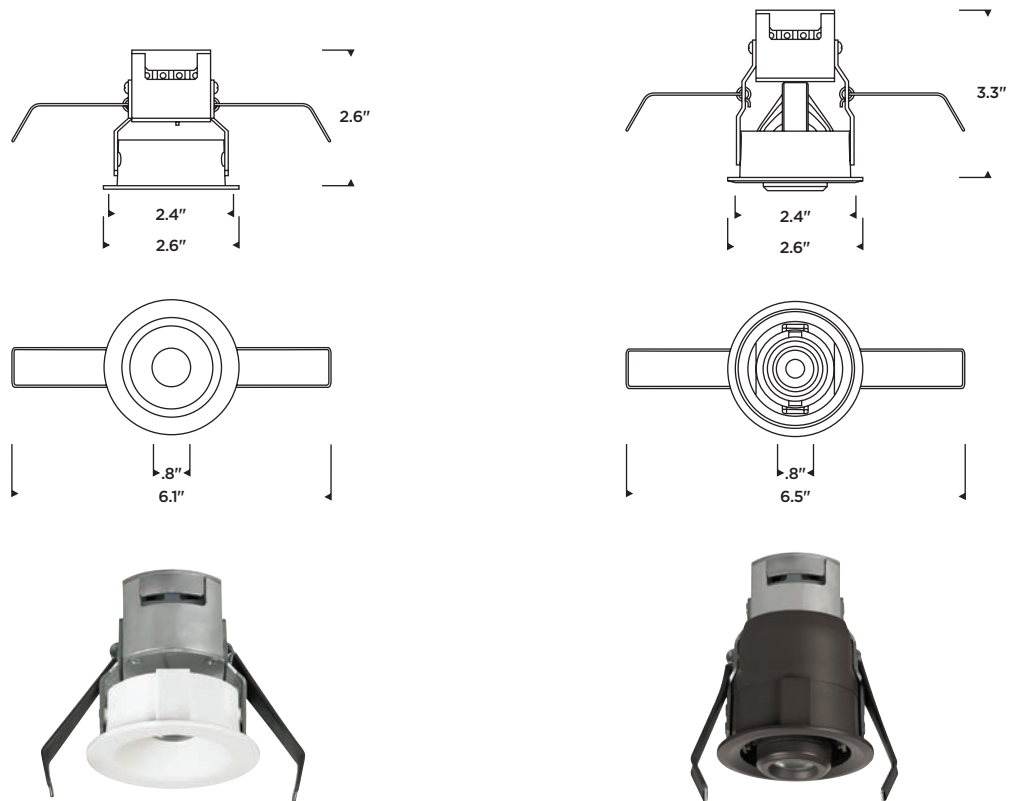
SHOWER



## LUCARNE LED NICHE LIGHTS

Lucarne LED Niche Lighting is a versatile accent lighting option for your home or commercial space. With multiple color temperatures and beam spread options available you can customize your installation to direct light where and how it is needed. For highlighting objects, drawing attention to architectural details and improving overall illumination indoors or out, Lucarne Niche Lights adds a designer's touch.

### ROUND

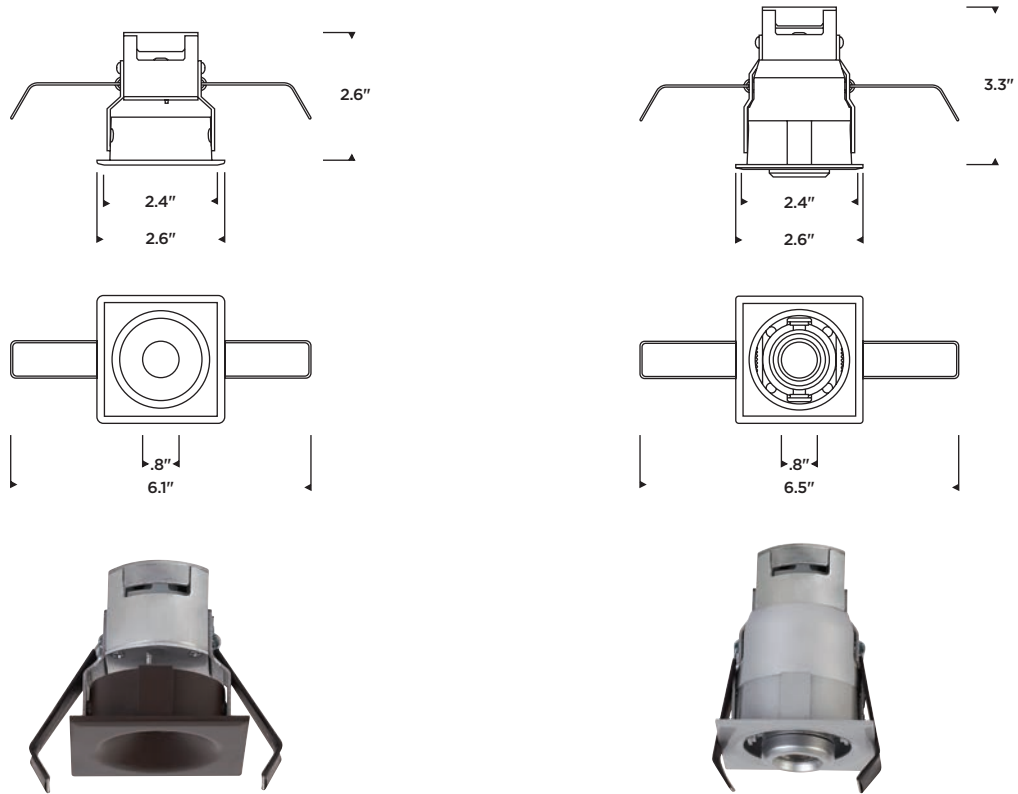


STYLE	Round Fixed Down Light			Round Adjustable Down Lights		
ITEM NUMBER (12V)	95411S(-xx)	95412S(-xx)	95413S(-xx)	95416S(-xx)	95417S(-xx)	95418S(-xx)
ITEM NUMBER (24V)	95511S(-xx)	95512S(-xx)	95513S(-xx)	95516S(-xx)	95517S(-xx)	95518S(-xx)
FINISH	(-15) White, (-171) Antique Bronze, (-849) Silver			(-15) White, (-171) Antique Bronze, (-849) Silver		
COLOR TEMPERATURE	2700K	3000K	4000K	2700K	3000K	4000K
VOLTAGE	12v AC or 24v AC			12v AC or 24v AC		
DELIVERED LUMENS	300			300		
POWER CONSUMPTION	5.5w			5.5w		
EFFICACY	55 lm/w			55 lm/w		
COLOR RENDERING INDEX	90			90		
RATED AVERAGE LIFE	50,000 hours to 70%			50,000 hours to 70%		
DIMMING RANGE <sup>(1)</sup>	Down to 10%			Down to 10%		
INCLUDED LENSES	30° and 65°			30° and 65°		
MATERIAL	Steel/Aluminum			Steel/Aluminum		
CERTIFICATION	ETL Wet Location and IC Rated			ETL Damp and IC Rated		

<sup>(1)</sup> Ambiance LED Niche Lights perform best with electronic transformers and electronic low-voltage (ELV) dimmers. See pg. 108 for more on dimming. See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.

CHOOSE A DESIGN

SQUARE



STYLE	Square Fixed Down Light			Square Gimbal Down Lights		
ITEM NUMBER (12V)	920000(-xx)	920002(-xx)	920004(-xx)	920001(-xx)	920003(-xx)	920005(-xx)
ITEM NUMBER (24V)	920006(-xx)	920008(-xx)	920010(-xx)	920007(-xx)	920009(-xx)	920011(-xx)
FINISH	(-15) White, (-171) Antique Bronze, (-849) Satin Nickel			(-15) White, (-171) Antique Bronze, (-849) Satin Nickel		
COLOR TEMPERATURE	2700K	3000K	4000K	2700K	3000K	4000K
VOLTAGE	12v AC or 24v AC			12v AC or 24v AC		
DELIVERED LUMENS	300			300		
POWER CONSUMPTION	5.5w			5.5w		
EFFICACY	55 lm/w			55 lm/w		
COLOR RENDERING INDEX	90			90		
RATED AVERAGE LIFE	50,000 hours to 70%			50,000 hours to 70%		
DIMMING RANGE <sup>(1)</sup>	Down to 10%			Down to 10%		
INCLUDED LENSES	30° and 65°			30° and 65°		
MATERIAL	Steel/Aluminum			Steel/Aluminum		
CERTIFICATION	ETL Wet Location and IC Rated			ETL Damp and IC Rated		

<sup>(1)</sup> Ambiance LED Niche Lights perform best with electronic transformers and electronic low-voltage (ELV) dimmers. See pg. 108 for more on dimming. See Ambiance-Lighting.com for additional photometric data.

# SELECT LUCARNE ACCESSORY



## ROMEX CONNECTOR

Use in lieu of existing cap on top of Lucarne Niche Lights for Romex and MC connections.

**95620**

L: 1.5" W:1.25" H: 2.25"

STEP

2

## CHOOSE TRANSFORMER

### RECOMMENDED TRANSFORMERS

Ambiance Lucarne LED Niche Lights can be used with all of the transformers on this page or any of the AC magnetic transformers on pages 58-59.

### ELECTRONIC TRANSFORMERS

The zero-load electronic transformers from Ambiance Lighting Systems provide industry leading technology in a small form factor. All of these transformers include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also all feature local on/off switches and have a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

#### 30W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II  
Input: 120v AC Output: 12v AC  
Max Run: 35 ft.*

**990000-12**, black finish  
**990000-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II  
Input: 120v AC Output: 12v AC  
Max Run: 35 ft.*

**990002-12**, black finish  
**990002-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I  
Input: 120v AC Output: 12v AC  
Max Run: 35 ft.*

**990004-12**, black finish  
**990004-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



#### 30W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II  
Input: 120v AC Output: 24v AC  
Max Run: 35 ft.*

**990001-12**, black finish  
**990001-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II  
Input: 120v AC Output: 24v AC  
Max Run: 35 ft.*

**990003-12**, black finish  
**990003-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I  
Input: 120v AC Output: 24v AC  
Max Run: 35 ft.*

**990005-12**, black finish  
**990005-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



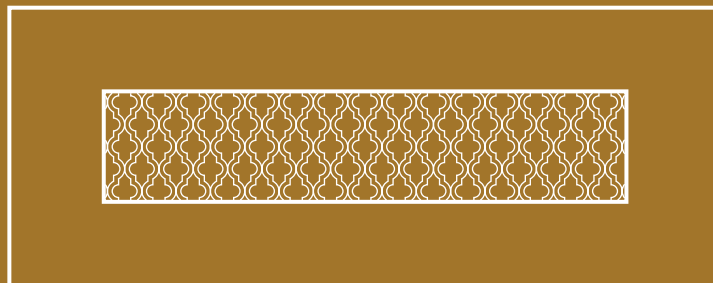


LED NICHE LIGHTING





# INDOOR/OUTDOOR LED STEP & BRICK LIGHTING







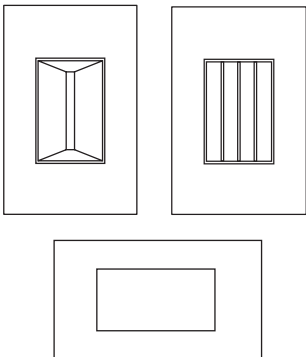
# INDOOR/OUTDOOR LED STEP & BRICK LIGHTING

LED Step and the new LED Brick Lights from Ambiance Lighting Systems are a perfectly balanced blend of the latest LED light guide technology with the high quality craftsmanship and beautiful design. We've taken the expertise from our broad line of task, accent and undercabinet lighting systems and applied it to a compact form factor to help you make an even bigger impact on the spaces you illuminate. Extensive use of high quality, die-cast metal and premium finishes ensure enduring aesthetic appeal while being backed by a five-year warranty. Whether used to illuminate outdoor spaces, accent steps, pathways or corridors both indoors and out, our new Brick and LED Step Lights, deliver safety and security with a designer flair.

## CONFIGURE YOUR SYSTEM

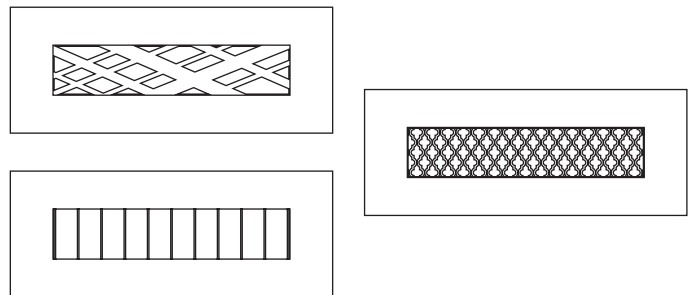
### STEP LIGHTS

P. 101



### BRICK LIGHTS

P. 105



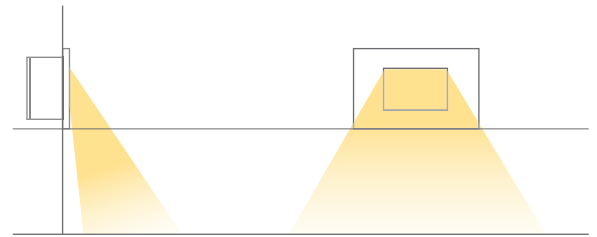
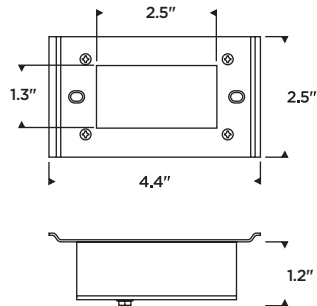
# DESIGN GUIDELINES

## OPTIMIZED PERFORMANCE

To optimize light output of each step and brick light fixture, we developed separate housings – one specially designed for horizontal applications, the other specially designed for vertical applications. Each housing's LED light guide is purpose-built to push the light down towards the floor at an assertive angle for excellent coverage as close to the wall as possible while throwing the remaining light outward for soft area illumination. Simply install the appropriately oriented housing following the system guidelines and attach the faceplate to complete the look.



Horizontal Step Lights

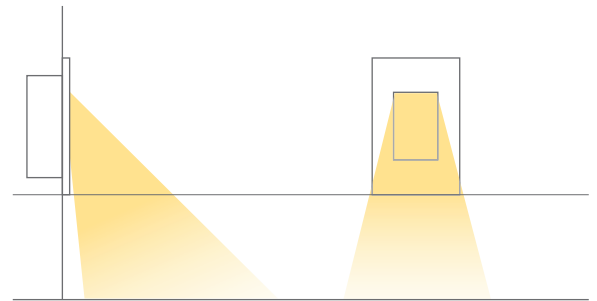
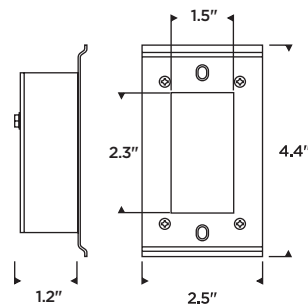


### HORIZONTAL

Horizontal housing's light guide throws light in a wide pattern closer to the wall

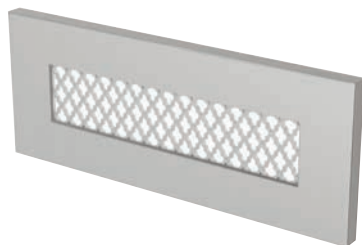


Vertical Step Lights

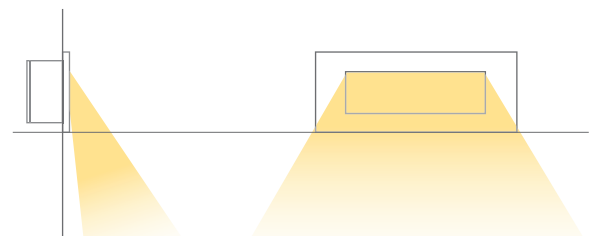
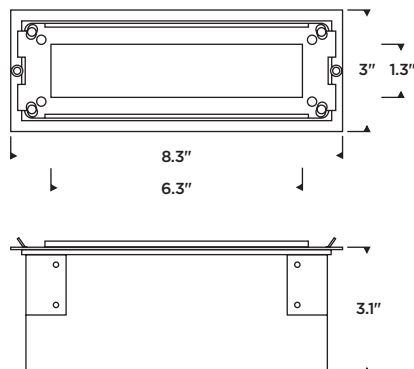


### VERTICAL

Vertical housing's light guide throws light further from the wall in a narrow beam



Brick Lights



### HORIZONTAL

Horizontal housing's light guide throws light in a wide pattern closer to the wall

## CHOOSE YOUR LED STEP LIGHT DESIGN

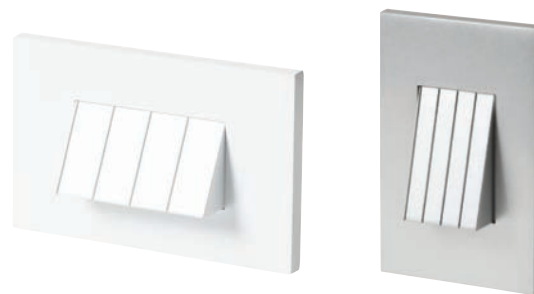


HORIZONTAL

VERTICAL

**LOUVER**

A modern, miniature interpretation of a classic louvered design provides great directional light control.



HORIZONTAL

VERTICAL

**TARPA**

This handsome design inspired by sleek metal awnings delivers ultimate directional light control.



HORIZONTAL

VERTICAL

**VITRA**

A simple, yet sophisticated design maximizes light output and delivers a clean, crisp aesthetic.

**SEAM**

Gentle inflections give way to a bold stripe of light in this ultra-modern, minimalist design.

**TRACERY**

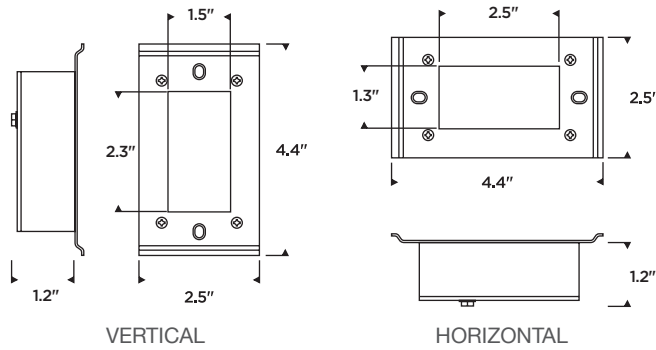
Echoes of ornamental metalwork are captured in this sophisticated, highly detailed design.

**TARTAN**

Classic plaid captured in die-cast metal creates a beautiful, asymmetric decorative pattern.

CHOOSE YOUR FINISH & LAMPING

LED STEP LIGHTING



STYLE	Louwer	Tarpa	Vitra	Seam	Tracery	Tartan
120V HORIZONTAL	93401S(-XX)	93403S(-XX)	93405S(-XX)	NA	93409S(-XX)	93410S(-XX)
120V HORIZONTAL TURTLE LIGHT (AMBER 560 NM)	93481S(-XX)	93483S(-XX)	93485S(-XX)	NA	93489S(-XX)	93480S(-XX)
277V HORIZONTAL	93471S(-XX)	93473S(-XX)	93475S(-XX)	NA	93479S(-XX)	93470S(-XX)
277V HORIZONTAL TURTLE LIGHT (AMBER 560 NM)	93491S(-XX)	93493S(-XX)	93495S(-XX)	NA	93499S(-XX)	93490S(-XX)
FINISH	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	NA	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel
FACE PLATE DIMENSIONS	4.7"L x 3"H x .37"D	4.7"L x 3"H x .94"D	4.7"L x 3"H x .27"D	NA	4.7"L x 3"H x .27"D	4.7"L x 3"H x .27"D

STYLE	Louwer	Tarpa	Vitra	Seam	Tracery	Tartan
120V VERTICAL	93402S(-XX)	93404S(-XX)	93406S(-XX)	93408S(-XX)	NA	NA
120V VERTICAL TURTLE LIGHT (AMBER 560 NM)	93482S(-XX)	93484S(-XX)	93486S(-XX)	93488S(-XX)	NA	NA
277V VERTICAL	93472S(-XX)	93474S(-XX)	93476S(-XX)	93478S(-XX)	NA	NA
277V VERTICAL TURTLE LIGHT (AMBER 560 NM)	93492S(-XX)	93494S(-XX)	93496S(-XX)	93498S(-XX)	NA	NA
FINISH	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	NA	NA
FACE PLATE DIMENSIONS	3"L x 4.7"H x .37"D	3"L x 4.7"H x .92"D	3"L x 4.7"H x .27"D	3"L x 4.7"H x .27"D	NA	NA

INPUT VOLTAGE	120v or 277v AC
DELIVERED LUMENS	Up to 90
POWER CONSUMPTION	3.3w
EFFICACY	36 lm/w
COLOR TEMPERATURE	3000K
COLOR RENDERING INDEX	90 CRI
RATED AVERAGE LIFE	50,000 hrs to 70%
DIMMABLE	Down to 10% with ELV Dimmer (120v, 3000K units only)
LISTINGS	Suitable for indoor or outdoor installations. cETL and IP-65 Wet Listed.
INSTALLATION	Installs in a single, 2" x 4", switch box with a minimum depth of 2". Performs best when installed in the orientation specified.

See Ambiance-Lighting.com for additional photometric data.









LED STEP & BRICK LIGHTING



## CHOOSE YOUR LED BRICK LIGHT DESIGN

**LOUVER**

A modern, miniature interpretation of a classic louvered design provides great directional light control.

**TARPA**

This handsome design inspired by sleek metal awnings delivers ultimate directional light control.

**VITRA**

A simple, yet sophisticated design maximizes light output and delivers a clean, crisp aesthetic.

**TRACERY**

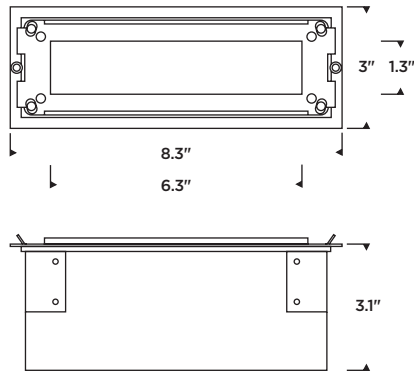
Echoes of ornamental metalwork are captured in this sophisticated, highly detailed design.

**TARTAN**

Classic plaid captured in die-cast metal creates a beautiful, asymmetric decorative pattern.

CHOOSE YOUR DESIRED FINISH & LAMPING

LED BRICK LIGHTS



(-171) Antique Bronze



(-849) Satin Nickel



(-15) White

STYLE	Louver	Tarpa	Vitra	Tracery	Tartan
120V	94401S(-XX)	94403S(-XX)	94405S(-XX)	94407S(-XX)	94409S(-XX)
120V TURTLE LIGHT (AMBER 560 NM)	94471S(-XX)	94473S(-XX)	94475S(-XX)	94477S(-XX)	94479S(-XX)
277V	94481S(-XX)	94483S(-XX)	94485S(-XX)	94487S(-XX)	94489S(-XX)
277V TURTLE LIGHT (AMBER 560 NM)	94491S(-XX)	94493S(-XX)	94495S(-XX)	94497S(-XX)	94499S(-XX)
FACE PLATE DIMENSIONS	L:8.5" W:3.32" H:0.45"	L:8.5" W:3.32" H:1.02"	L:8.5" W:3.32" H:.385"	L:8.5" W:3.32" H:.385"	L:8.5" W:3.32" H:.385"
FINISH	(-15) White, (-171) Antique Bronze, (-849) Satin Nickel				
INPUT VOLTAGE	120v AC or 277v AC				
DELIVERED LUMENS	Up to 300				
POWER CONSUMPTION	8.6w (9.3w for Turtle)				
EFFICACY	35 lumens/watt				
COLOR TEMPERATURE	3000K				
COLOR RENDERING INDEX	90 CRI				
RATED AVERAGE LIFE	50,000 hrs to 70%				
DIMMABLE	Down to 10% with ELV Dimmer (120v, 3000K units only)				
LISTINGS	Suitable for indoor or outdoor installations. cETL and IP-65 Wet Listed				
INSTALLATION	Suitable for brick, poured concrete or interior/dry wall installation. For interior applications, mounting bracket # 94018 is required.				

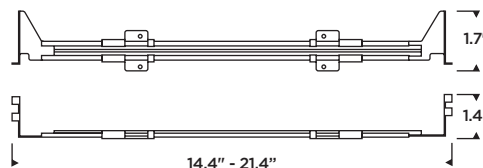
See Ambiance-Lighting.com for additional photometric data.

INTERIOR WALL MOUNTING BRACKET

Use to mount Brick Light in interior walls.

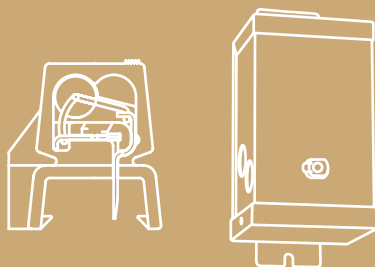
94018

L: 14.4" - 21.4" H: 1.7"





# TECHNICAL INFORMATION



# TECHNICAL INFORMATION

## ELECTRONIC TRANSFORMERS

Electronic transformers range in size from single output 60w (Class II), dual output 60w (120w total) and single output 150w (Class I). Our transformers run quiet, are instant-on, feature fire-rated housings and dim easily with electronic low-voltage (ELV) dimmers. Ambiance Electronic Transformers specify whether they have a minimum load requirement — starting at 15w — or whether they are zero-load capable. Zero-load transformers have been designed for the low wattage draws of LED technology. For proper operation of an electronic transformer, the wattage load must fall within the specified range. Ambiance Electronic Transformers are moisture and shock resistant, featuring soft start circuitry for increased lamp life. Electronic transformers, as with many electronic components, may cause radio frequency interference (RFI). Ambiance electronic transformers have built-in filters to help eliminate RFI. Should RFI be noticeable, rotate the unit to change the direction of the electronic field or replace with a magnetic transformer, which will not cause RFI.

## MAGNETIC TRANSFORMERS

Ambiance laminated magnetic transformers are core and coil, isolated type transformers. We offer several sizes of laminated magnetic transformers ranging from 75 to 600w at 12v, and 75 to 1000w at 24v in either AC or DC. Each transformer features thermal protection on the primary (120v) side. Ambiance laminated magnetic transformers have resettable thermal circuit breakers on the low voltage side. Other features include a faraday shield, potted and encased core and coil for added safety and ease of installation. A boost tap is integrated to single-tap magnetic transformers to compensate for voltage drop. For optimum operation we recommend the load on all laminated magnetic transformers be between 50 and 100% of the rated wattage when used with xenon and halogen light sources. Magnetic transformers are zero load with LED lamp source. Not meeting minimum recommend loads can overdrive luminaires and greatly reduce lamp life. Be sure to keep insulation away from transformers. Magnetic transformers should be mounted vertically. If the transformer must be mounted horizontally, the ambient temperature must be below 120°F and the maximum load should be reduced to 80% of output.

## OPERATING TEMPERATURES

Ambiance Lighting Systems require adequate ventilation to dissipate heat generated during their operation. Care must be taken to avoid installing the system in confined areas where excessive heat may result in the transformer circuit breaker tripping or causing damage to the system and/or the area being illuminated. Surface temperatures on transformers, wiring and luminaires must not exceed 90°C (194°F).

## DIMMING

Ambiance Lighting Systems may be dimmed. When dimming a low-voltage system, it is recommended that the dimming occur on the primary side of the transformer, reducing the power coming into the transformer. The dimmer must be matched to the type of transformer that's powering the system.

- For electronic transformers use an electronic low voltage (ELV) dimmer.
- For magnetic transformers use a standard, incandescent line voltage dimmer or a magnetic low voltage (MLV) dimmer.

## REMOTE MOUNTING

When a transformer needs to be mounted in a remote location, a properly sized jumper wire (the cable between the transformer and the start of the lighting run, or between two illuminated sections) must be used. The jumper wire can be Ambiance Cable run in additional protection (9435 track and 9439 cover or listed conduit), Romex or Type AC. Be sure to check with your local electrical inspector. The jumper wire and lighting run must be connected in an approved wiring compartment, such as 915010(-xx) or 9481.



## POWERING SYSTEMS

We recommend all systems used with Ambiance Lighting Systems be powered on the line voltage (120v or primary) side of the connection for optimum performance and safety. For applications which require operating to be done on the low voltage (secondary) side of the connection, there are two factors which need to be considered:

1. It is very important that the switch used is rated for the amperage created; and
2. Meet minimum load on electronic transformer

To calculate amperage, use the following formula: Amperage = Wattage / Voltage

## VOLTAGE DROP

Voltage drop is the difference between voltage of luminaires close to the transformer and luminaires at the end of an illuminated section.

- All lamp sources function optimally with no more than 10% voltage drop. Voltage outside of this range will affect lamp life and overall performance.
- To compensate for voltage drop, please calculate as stated below and use appropriate wire.

How to Calculate Voltage Drop:

Step 1:

Amps\* x Run/Length x 2 (for AC circuit) x Resistance per Foot<sup>(1)</sup> = Voltage Drop (in Volts)

\*Amps = (Watts/Voltage)

Step 2:

- For 12v systems add voltage drop to 12 to determine tap to use.
- For 24v systems add voltage drop to 24 to determine tap to use.

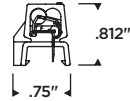
## RESISTANCE PER FOOT CHART<sup>(1)</sup>

WIRE SIZE	RESISTANCE
4	0.000249
6	0.000395
8	0.000640
10*	0.001080
12	0.001620
14	0.002525
16	0.004016
18	0.006385

\*Size of 10/2 AWG Ambiance Cable

# TECHNICAL INFORMATION

## FUSED PLUG



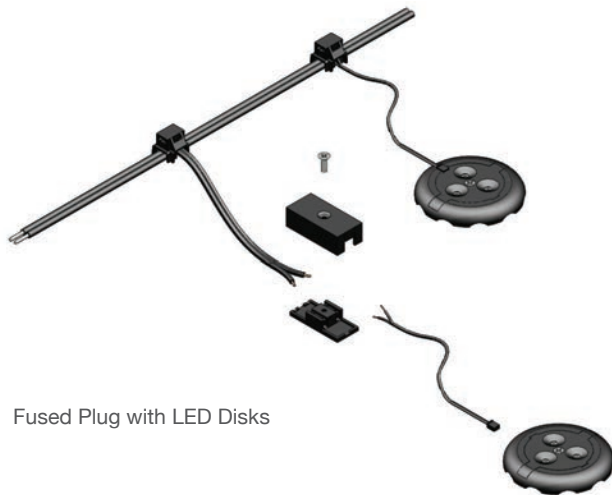
Our 5 amperes Fused Plug turns the Ambiance Lx Cable into a buss system, capable of powering multiple luminaire types. Tap on Ambiance LED Disks to your linear Lx Cable System with ease. No other system matches the versatility and installation options of Ambiance Lighting Systems.

- Multiple luminaire types, one transformer
- Add Ambiance LED Disk to a new or existing Lx Cable Lighting System
- Snaps onto Ambiance Cable and Track
- Insert 18/2 cord into plug and press in contacts for connection
- 5 amp limit on each Fused Plug

ITEM NUMBER	9488(-xx)
VOLTAGE	12v and 24v
MAX. WATTAGE	60w at 12v, 120w at 24v
CERTIFICATION	cETL, damp location
MATERIAL / FINISH	(-12) Black and (-15) White Polycarbonate with corrosion resistant contacts

## FUSED PLUG WITH LED DISKS

- Wire LED Disk directly to Fused Plug or use Lx Cable Extension with Wiring Compartment
- Hub connector can also be used to wire multiple disks off of Fused Plug
- Place 9488 Fused Plug onto Lx Cable and Track



Fused Plug with LED Disks



TECHNICAL INFORMATION

# TRANSFORMER REFERENCE CHART

## ELECTRONIC AC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	VOLTAGE	CONNECTION (HARDWARE, PLUG-IN)
9454-12	60w AC Class II Transformer	AC	Electronic	120v/12v	Hard-wire
9456-12	150w AC Class I Transformer	AC	Electronic	120v/12v	Hard-wire
990000-12	30w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
990000-15	30w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
990001-12	30w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
990001-15	30w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
990002-12	75w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
990002-15	75w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
990003-12	75w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
990003-15	75w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
990004-12	150w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
990004-15	150w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
990005-12	150w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
990005-15	150w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
98050-12	60w 12v AC Zero-Load	AC	Electronic	120v/12v	Plug-in
98051-12	60w 24v AC Zero-Load	AC	Electronic	120v/24v	Plug-in

## MAGNETIC AC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	CONNECTION
94458-12	75w, 12v Magnetic Transformer	AC	Magnetic	Hard-wire
94459-12	75w, 24v Magnetic Transformer	AC	Magnetic	Hard-wire
94460-12	150w, 12v Magnetic Transformer	AC	Magnetic	Hard-wire
94461-12	250w, 24v Magnetic Transformer	AC	Magnetic	Hard-wire
94462-12	300w, 12v Magnetic Transformer	AC	Magnetic	Hard-wire
94463-12	500w, 24v Magnetic Transformer	AC	Magnetic	Hard-wire
94464-12	600w, 12v (2x300w) Magnetic Transformer	AC	Magnetic	Hard-wire
94465-12	1000w, 24v (2x500w) Magnetic Transformer	AC	Magnetic	Hard-wire

## ELECTRONIC DC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	CONNECTION
98745S-12	60w 24v DC Transformer	DC	Electronic	Hard-wire
98746S-12	105w 24v DC Transformer	DC	Electronic	Hard-wire
98747S-12	150w 24v DC Transformer	DC	Electronic	Hard-wire
905055-12	200w, 24V DC RGB Tape Transformer	DC	Electronic	Hard-wire
905054-12	320w, 24V DC RGB Tape Transformer	DC	Electronic	Hard-wire
905056-12	400w, 24V DC RGB Tape Transformer	DC	Electronic	Hard-wire

## MAGNETIC DC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	CONNECTION
98743S-12	200w 24v DC Magnetic Transformer, Wet or Dry Location	DC	Magnetic	Hard-wire
98744S-12	300w 24v DC Magnetic Transformer, Wet or Dry Location	DC	Magnetic	Hard-wire



# TRANSFORMER REFERENCE CHART

WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
60w	120v	12v	15w	L: 2.75" W: 1.5" H: 1.125"	cUL dry
150w	120v	12v	60w	L: 6.25" W: 2.25" H: 1.67"	cUL dry
30w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
30w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
30w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
30w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
150w	120v	12v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
150w	120v	12v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
150w	120v	24v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
150w	120v	24v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
60w	120v	12v	Zero Load	L: 3.3125" W: 1.5" H: 1.25"	cETL dry
60w	120v	24v	Zero Load	L: 3.3125" W: 1.5" H: 1.25"	cETL dry

WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
75w	120v	12v	N/A	L: 8.75" W: 4.25" H: 3.75"	cUL Dry
75w	120v	24v	N/A	L: 8.75" W: 4.25" H: 3.75"	cUL Dry
150w	120v	12v	N/A	L: 10.5" W: 4.313" H: 4.313"	cUL Dry
250w	120v	24v	N/A	L: 10.75" W: 4.5" H: 4.25"	cUL Dry
300w	120v	12v	N/A	L: 10.563" W: 4.375" H: 3.875"	cUL Dry
500w	120v	24v	N/A	L: 11.5" W: 4.5" H: 4.25"	cUL Dry
2 x 300w	120v	12v	N/A	L: 10.563" W: 5" H: 5"	cUL Dry
2 x 500w	120v	24v	N/A	L: 12.5" W: 6.25" H: 6"	cUL Dry





WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
60w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
105w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
150w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
200w	120v	24v	Zero Load	L: 9.81" W: 2.68" H: 1.52"	cUL Wet
320w	120v	24v	Zero Load	L: 9.96" W: 4.43" H: 1.91"	cUL Wet
400w	120v	24v	Zero Load	L: 11.56" W: 4.25" H: 1.81"	cUL Wet

WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
200w	120v	24v	N/A	L: 8.875" W: 4.375" H: 4"	cETL Wet
300w	120v	24v	N/A	L: 8.875" W: 4.375" H: 4"	cETL Wet




# LAMP REFERENCE CHART

## 12 VOLT

LAMP IMAGE	PART NUMBER	DESCRIPTION	LAMP TYPE	LAMP BASE	WATTS RATED
	96116S-32	clear LED festoon 2700K	T3	Festoon	0.708
	96116S-33	frosted LED festoon 2700K	T3	Festoon	0.708
	96118S-32	clear LED festoon 3000K	T3	Festoon	0.708
	96118S-33	frosted LED festoon 3000K	T3	Festoon	0.708
	96119S-32	clear LED festoon 4000K	T3	Festoon	0.708
	96119S-33	frosted LED festoon 4000K	T3	Festoon	0.708
	97118-32	5w clear xenon festoon	T3	Festoon	5
	97118-33	5w frosted xenon festoon	T3	Festoon	5
	97119-32	10w clear xenon festoon	T3	Festoon	10
	97119-33	10w frosted xenon festoon	T3	Festoon	10
	9727	3w clear incandescent wedge	T3 1/4	Wedge	3
	9728	5w clear incandescent wedge	T3 1/4	Wedge	5
	9729	5w clear incandescent wedge	T3 1/4	Wedge	5
	9731	3w clear xenon wedge	T3 1/4	Wedge	3
	9732	5w clear xenon wedge	T3 1/4	Wedge	5
	940000	18w clear xenon wedge	T5	Wedge	18
	9776	8w clear incandescent wedge	T5	Wedge	8
	940002	12w clear incandescent wedge	T5	Wedge	12
	9778	18w clear incandescent wedge	T5	Wedge	18

## 24 VOLT

LAMP IMAGE	ITEM NUMBER	DESCRIPTION	LAMP TYPE	LAMP BASE	WATTS RATED
	96117S-32	clear LED festoon 2700K	T3	Festoon	0.708
	96117S-33	frosted LED festoon 2700K	T3	Festoon	0.708
	96120S-32	clear LED festoon 3000K	T3	Festoon	0.708
	96120S-33	frosted LED festoon 3000K	T3	Festoon	0.708
	96121S-32	clear LED festoon 4000K	T3	Festoon	0.708
	96121S-33	frosted LED festoon 4000K	T3	Festoon	0.708
	97120-32	5w clear xenon festoon	T3	Festoon	5
	97120-33	5w frosted xenon festoon	T3	Festoon	5
	97121-32	10w clear xenon festoon	T3	Festoon	10
	97121-33	10w frosted xenon festoon	T3	Festoon	10
	97122-33	7w frosted xenon festoon	T3	Festoon	7
	9775	18w clear xenon wedge	T5	Festoon	18

# LAMP REFERENCE CHART

WATTS CONSUMED	RATED LIFE (HOURS)	BEAM SPREAD	LIGHT OUTPUT (LUMENS)	CRI	COLOR TEMPERATURE (°K)	ENERGY STAR®
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
4.2	16,000	n/a	33	>90	2550	N
4.2	16,000	n/a	33	>90	2550	N
8.4	12,000	n/a	83	>90	2650	N
8.4	12,000	n/a	83	>90	2650	N
2.1	20,000	n/a	8	>90	2200	N
4	9,000	n/a	23	>90	2300	N
3.9	2,000	n/a	26	>90	2450	N
2.7	19,000	n/a	15	>90	2400	N
4.2	8,000	n/a	33	>90	2550	N
16.2	10,000	n/a	210	>90	2800	N
8	2,500	n/a	57	>90	2650	N
11.6	2,000	n/a	120	>90	2750	N
16.2	2,000	n/a	210	>90	2800	N

REPLACEMENT LAMPS

WATTS CONSUMED	RATED LIFE (HOURS)	BEAM SPREAD	LIGHT OUTPUT (LUMENS)	CRI	COLOR TEMPERATURE (°K)	ENERGY STAR®
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
4.2	16,000	n/a	33	>90	2550	N
4.2	16,000	n/a	33	>90	2550	N
8.4	12,000	n/a	83	>90	2650	N
8.4	12,000	n/a	83	>90	2650	N
6.7	95,000	n/a	46	>90	2420	N
16.2	2,000	n/a	210	>90	2800	N

# INDEX

9380-12	57	93408S-15	101	93491S-171	101	94483S-15	105
9380-15	57	93408S-171	101	93491S-849	101	94483S-171	105
9428-12	53	93408S-849	101	93492S-15	101	94483S-849	105
9428-15	53	93409S-15	101	93492S-171	101	94485S-15	105
9433-15	53	93409S-171	101	93492S-849	101	94485S-171	105
9435-12	56	93409S-849	101	93493S-15	101	94485S-849	105
9435-15	56	93410S-15	101	93493S-171	101	94487S-15	105
9438-12	57	93410S-171	101	93493S-849	101	94487S-171	105
9438-15	57	93410S-849	101	93494S-15	101	94487S-849	105
9439-12	57	93470S-15	101	93494S-171	101	94489S-15	105
9439-15	57	93470S-171	101	93494S-849	101	94489S-171	105
9443-12	56	93470S-849	101	93495S-15	101	94489S-849	105
9443-15	56	93471S-15	101	93495S-171	101	94491S-15	105
9445-12	57	93471S-171	101	93495S-849	101	94491S-171	105
9445-15	57	93471S-849	101	93496S-15	101	94491S-849	105
9446-12	57	93472S-15	101	93496S-171	101	94493S-15	105
9446-15	57	93472S-171	101	93496S-849	101	94493S-171	105
9447-12	57	93472S-849	101	93498S-15	101	94493S-849	105
9447-15	57	93473S-15	101	93498S-171	101	94495S-15	105
9448-12	57	93473S-171	101	93498S-849	101	94495S-171	105
9448-15	57	93473S-849	101	93499S-15	101	94495S-849	105
9450	21, 26, 34, 38, 57	93474S-15	101	93499S-171	101	94497S-15	105
9454-12	59	93474S-171	101	93499S-849	101	94497S-171	105
9456-12	59	93474S-849	101	94018	105	94497S-849	105
9469-12	56	93475S-15	101	94323-12	49, 51	94499S-15	105
9469-15	56	93475S-171	101	94323-15	49, 51	94499S-171	105
9470-12	56	93475S-849	101	94401S-15	105	94499S-849	105
9470-15	56	93476S-15	101	94401S-171	105	95411S-15	92
9471-12	56	93476S-171	101	94401S-849	105	95411S-171	92
9471-15	56	93476S-849	101	94403S-15	105	95411S-849	92
9472-12	56	93478S-15	101	94403S-171	105	95412S-15	92
9472-15	56	93478S-171	101	94403S-849	105	95412S-171	92
9473-12	56	93478S-849	101	94405S-15	105	95412S-849	92
9473-15	56	93479S-15	101	94405S-171	105	95413S-15	92
9481-12	58	93479S-171	101	94405S-849	105	95413S-171	92
9481-15	58	93479S-849	101	94407S-15	105	95413S-849	92
9488-12	58, 65, 110	93480S-15	101	94407S-171	105	95416S-15	92
9488-15	58, 65, 110	93480S-171	101	94407S-849	105	95416S-171	92
9727	52, 114	93480S-849	101	94409S-15	105	95416S-849	92
9728	52, 114	93481S-15	101	94409S-171	105	95417S-15	92
9729	52, 114	93481S-171	101	94409S-849	105	95417S-171	92
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