

# THE EDGE Series

LED Pathway Luminaire



## Product Description

Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" - 16x6" anchor bolts with 1-1/4" hook (provided). **Note:** T45 Torx 3/8" socket required for head installation. Top mounted LEDs for superior optical performance and light control.

**Applications:** Landscape, walk-ways and general site lighting

## Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

**Initial Delivered Lumens:** Up to 3,320

**CRI:** Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

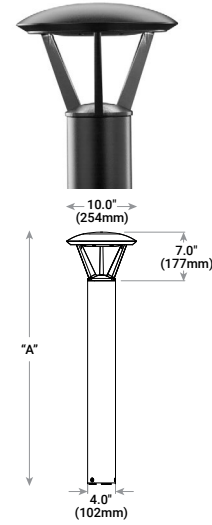
**CCT:** Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

**Limited Warranty\*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish/1 year on accessories

\*See <http://creeighting.com/warranty> for warranty terms

## Accessories

Field-Installed
<b>Upgrade Kit</b> - Used for replacement of existing bollards with a bolt hole circle of 5.75" (146mm) XA-XBP8RSV      XA-XBP8RWH XA-XBP8RBK      XA-XBP8RBZ



Model	Dim. "A"	Weight*
Landscape (P0)	13" (330mm)	12.7 lbs. (5.8kg)
Landscape (P1)	18" (457mm)	13.3 lbs. (6.0kg)
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs (12.9kg)

\* Add 4.5 lbs. (2.0kg) for 347-480V

## Ordering Information

Example: PWY-EDG-2M-P0-02-E-UL-SV-350

PWY-EDG			02	E				
Product	Optic	Mounting	LED Count (x9)	Series	Voltage	Color Options	Drive Current	Options
PWY-EDG	<b>2M</b> Type II Medium <b>3M</b> Type III Medium <b>5M</b> Type V Medium <b>5S</b> Type V Short	<b>P0</b> 13" (330mm) landscape - Not available with TRL <b>P1</b> 18" (457mm) landscape - Not available with TRL <b>P3</b> 36" (914mm) pathway <b>P4</b> 42" (1067mm) pathway <b>P8</b> 96" (2438mm) pedestrian	02	E	<b>UL</b> Universal 120-277V	<b>BK</b> Black <b>BZ</b> Bronze <b>SV</b> Silver <b>WH</b> White	<b>350</b> 350mA - Not available with TRL <b>525</b> 525mA - Available with P1, P3, P4, and P8 mounts only	<b>F Fuse</b> - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse - Not available with TRL <b>HL Hi/Low (Dual Circuit Input)</b> - Available with UL voltage and 525mA driver current only - Must specify 525mA drive current - Refer to <a href="#">HL spec sheet</a> for details - Sensor not included - Not available with TRL <b>WB Welded Base Plate</b> - Standard on P8 mount option, available with P3 and P4 mount - Includes welded base cover <b>30K 3000K Color Temperature</b> - Minimum 80 CRI - Color temperature per luminaire <b>40K 4000K Color Temperature</b> - Minimum 70 CRI - Color temperature per luminaire <b>50K 5000K Color Temperature</b> - Minimum 90 CRI - Color temperature per luminaire <b>TRL Amber Turtle Friendly LEDs</b> - Available only with P3, P4 and P8 mounts, 120-277 Volt, 525mA drive current, and TL3 or WB options - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance

\* 347-480V utilizes magnetic step-down transformer. For input power for 347-480V, refer to the Electrical Data table

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## Product Specifications

### CONSTRUCTION & MATERIALS

- Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance
- Pole mounts to rugged die cast aluminum internal flange secured by three 3/8"-16x6" anchor bolts with 1-1/4" hook (provided).  
**Note:** T45 Torx 3/8" socket required for head installation
- Top mounted LEDs for superior optical performance and light control
- Open design, passive thermal management for superior lumen maintenance
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- Weight:** See Dimension and Weight Chart on pages 1 and 5

### ELECTRICAL SYSTEM

- Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor:** > 0.9 at full load at 120V
- Total Harmonic Distortion:** < 20% at full load at 120V
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets IP66 requirements per IEC 60598-1 when ordered without TL options
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Electrical Data*									
LED Count (x9)	CCT	System Watts 120-277V	System Watts 347-480V	Total Current (A)					
				120V	208V	240V	277V	347V	480V
350mA									
02	30K/40K/50K/57K	22	28	0.18	0.12	0.10	0.10	0.12	0.09
	TRL	N/A							
525mA									
02	30K/40K/50K/57K	34	40	0.29	0.19	0.17	0.15	0.13	0.12
	TRL	26	N/A	0.24	0.14	0.12	0.10	N/A	N/A

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%.

THE EDGE® Series Ambient Adjusted Lumen Maintenance <sup>1</sup>						
Ambient	CCT	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF	100K hr Estimated <sup>3</sup> LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03 <sup>2</sup>	1.03
	TRL	1.06	1.06	1.06	1.06 <sup>3</sup>	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02 <sup>2</sup>	1.02
	TRL	1.04	1.04	1.04	1.04 <sup>3</sup>	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01 <sup>2</sup>	1.01
	TRL	1.03	1.03	1.03	1.03 <sup>3</sup>	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99 <sup>2</sup>	0.99
	TRL	1.01	1.01	1.01	1.01 <sup>3</sup>	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98 <sup>2</sup>	0.98
	TRL	1.00	1.00	1.00	1.00 <sup>3</sup>	1.00

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

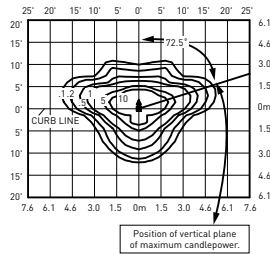
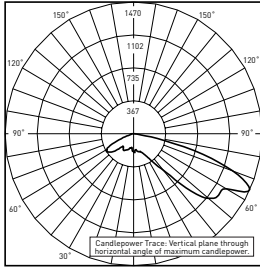
<sup>2</sup> In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

<sup>3</sup> Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

## Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/bollards-and-pathway/cree-edge-pathway>

### 2M



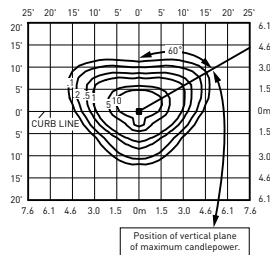
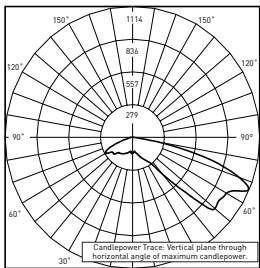
RESTL Test Report #: PL12838-002B  
 PWY-EDG-2M-\*\*-02-E-UL-350-40K  
 Initial Delivered Lumens: 1,814

PWY-EDG-2M-\*\*-02-E-UL-350-40K  
 Mounting Height: 3' (0.9m) A.F.G.  
 Initial Delivered Lumens: 1,902  
 Initial FC at grade

Type II Medium Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,613	B1 U0 G1	1,902	B1 U0 G1	1,481	B1 U0 G1	1,986	B1 U0 G1	N/A	
525mA										
02	2,259	B1 U0 G1	2,663	B1 U0 G1	2,074	B1 U0 G1	2,782	B1 U0 G1	923	B0 U0 G0

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

### 3M



RESTL Test Report #: PL12838-001B  
 PWY-EDG-3M-\*\*-02-E-UL-350-40K  
 Initial Delivered Lumens: 1,751

PWY-EDG-3M-\*\*-02-E-UL-350-40K  
 Mounting Height: 3' (0.9m) A.F.G.  
 Initial Delivered Lumens: 1,688  
 Initial FC at grade

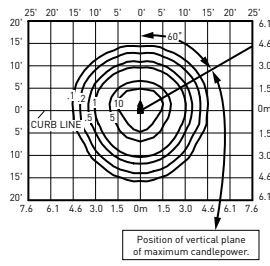
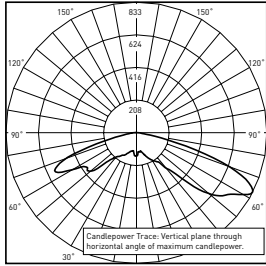
Type III Medium Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,431	B1 U0 G1	1,688	B1 U0 G1	1,314	B1 U0 G1	1,762	B1 U0 G1	N/A	
525mA										
02	2,004	B1 U0 G1	2,363	B1 U0 G1	1,840	B1 U0 G1	2,468	B1 U0 G1	819	B0 U0 G0

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.  
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## Photometry

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### 5M



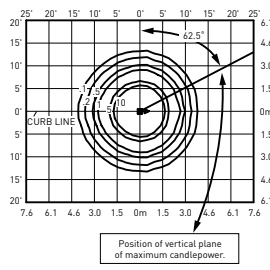
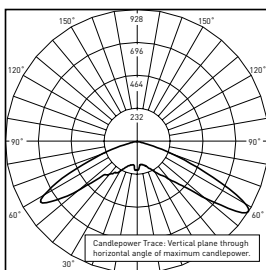
RESTL Test Report #: PL12838-003B  
 PWY-EDG-5M-\*\*-02-E-UL-350-40K  
 Initial Delivered Lumens: 1,947

PWY-EDG-5M-\*\*-02-E-UL-350-40K  
 Mounting Height: 3' (0.9m) A.F.G.  
 Initial Delivered Lumens: 2,025  
 Initial FC at grade

Type V Medium Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,717	B1 U0 G1	2,025	B1 U0 G1	1,576	B1 U0 G1	2,114	B1 U0 G1	N/A	
525mA										
02	2,404	B2 U0 G2	2,835	B2 U0 G2	2,207	B1 U0 G1	2,960	B2 U0 G2	982	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

### 5S



RESTL Test Report #: PL12838-004B  
 PWY-EDG-5S-\*\*-02-E-UL-350-40K  
 Initial Delivered Lumens: 2,056

PWY-EDG-5S-\*\*-02-E-UL-350-40K  
 Mounting Height: 3' (0.9m) A.F.G.  
 Initial Delivered Lumens: 2,270  
 Initial FC at grade

Type V Short Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,926	B1 U0 G1	2,270	B1 U0 G1	1,768	B1 U0 G1	2,371	B1 U0 G1	N/A	
525mA										
02	2,696	B1 U0 G1	3,178	B2 U0 G1	2,475	B1 U0 G1	3,320	B2 U0 G1	1,101	B1 U0 G0

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.  
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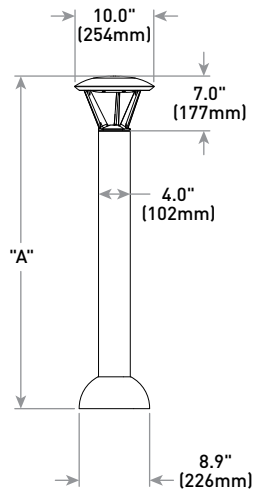
# THE EDGE Series

LED Pathway Luminaire



**CREE** LIGHTING

with Welded Base



Model	Dim. "A"	Weight*
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs (12.9kg)

\* Add 4.5 lbs. (2.0kg) for 347-480V

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