

USSLCxxxWPL LED Roadway Lights



COMMERCIAL LED EXPERTS



OVERVIEW

USSLCxxxWPL delivers high efficient, long life and low maintenance. The smooth self clean low EPA modern design has no visible heat sink. Optics integrated into the clear acrylic lens are designed for optimal light distribution. This reliable unit has a 100,000 hour design life, significantly reducing maintenance needs and expense compared to traditional HID fixture.

APPLICATIONS

USSLCxxxWPL LED Roadway Luminaire is optimized for customers requiring a LED solution for local, collector and major roadways.

FEATURES

- Superior optical distribution
- Non finned Self cleaning housing
- Tool less entry for easy installation
- ANSI C136.41 7 Pin receptacle included
- Best in class 5g vibration rating
- Available in IES Type II, III and IV distributions



Models	Lumen*	Efficacy	Models	Lumen*	Efficacy
USSLC30WPL	4,020	134	USSLC100WPL	13,000	130
USSLC40WPL	5,360	134	USSLC110WPL	13,750	125
USSLC50WPL	6,650	133	USSLC120WPL	14,640	122
USSLC60WPL	7,680	128	USSLC135WPL	16,065	119
USSLC70WPL	8,750	125	USSLC150WPL	17,550	117
USSLC75WPL	9,225	123	USSLC165WPL	18,975	115



* Lumen based on 4000K

Technical Specifications

Warranty

uSaveLED warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

Qualifications

UL Listing

E473037

IESNA LM79 & LM-80 Testing

LED luminaires have been tested by an independent laboratory in accordance with IESNA LM 79 and LM 80.

Construction

IP Rating

Ingress Protection rating of IP66 for dust and water

Ambient Temperature

Suitable for up to 113° F (45° C) ambient temperature

Cold Weather Starting

The minimum starting temperature is 4 F° (20° C)

Housing

Die cast aluminum housing

Mounting

Fits most standard roadway upsweep arms. 4 Bolt mount bracket supplied fits 1" to 2 3/8" OD pipe arms. Fixture can be tilted at the angles(degree): 5, 2.5, 0, 2.5 and 5

LED Characteristics

Lifespan

100,000 hour LED Lifespan based on IES LM 80 results and TM 21 calculations.

Color Temperature

2700K / 3000K / 4000K / 5000K

Color Rendering Index

CRI > 70

Construction (continue)

Gaskets

Silicon Gaskets

Finish

Our environmentally friendly polyester powder coating are formulated from high durability and long lasting color, and contains no VOC or toxic heavy metals.

Lens

Clear acrylic lens with integrated optics

ANSI C136.41 Receptacle

7 Pin Receptacle with Short cap

Driver

Input Voltage AC100 277V, 50/60 Hz

or AC 200 480V, 50/60 Hz

(100/110/120/135/150/165W HV models)

0-10v dimmable LED drivers provides smooth and continuous dimming.

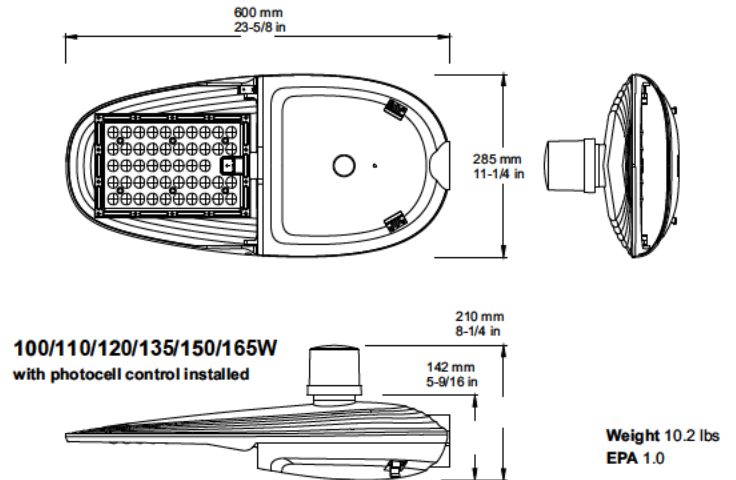
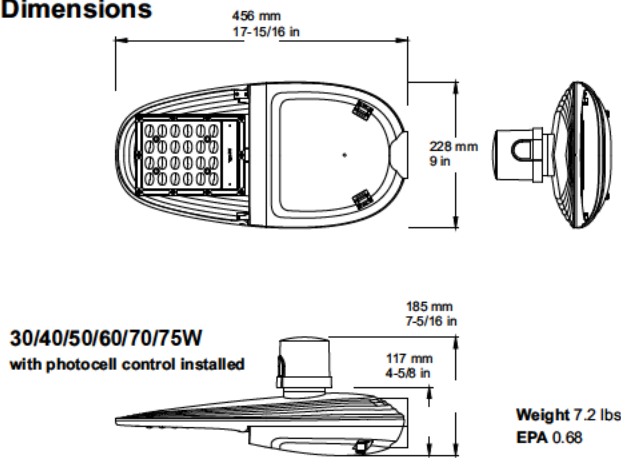
Power Factor >0.9

Wattage 30w, 40w, 50w, 60w, 70w, 75w

100w, 110w, 120w, 135w, 150w, 165w

Secondary 10kA surge protector + Driver 6kA

Dimensions

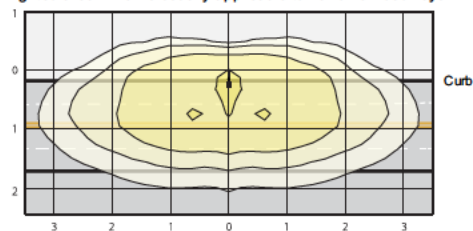


Performance

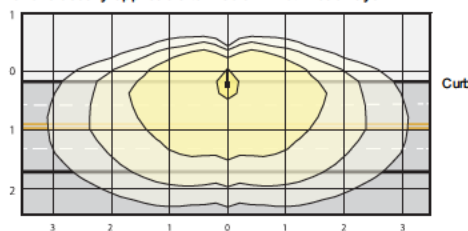
	USSLC30WPL			USSLC40WPL			USSLC50WPL		
CCT	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens	3570	3720	4020	4800	4960	5360	6000	6050	6650
Efficacy (lm/W)	119	124	134	120	124	134	120	121	133
Color Accuracy (CRI)	80	70	70	80	70	70	80	70	70
	USSLC60WPL			USSLC70WPL			USSLC75WPL		
CCT	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens	7140	7200	7680	7980	8120	8750	8550	8700	9225
Efficacy (lm/W)	119	120	128	114	116	125	114	116	123
Color Accuracy (CRI)	80	70	70	80	70	70	80	70	70
	USSLC100WPL			USSLC110WPL			USSLC120WPL		
CCT	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens	12100	12600	13000	12980	13530	13750	14280	14520	14640
Efficacy (lm/W)	121	126	130	118	123	125	119	121	122
Color Accuracy (CRI)	80	70	70	80	70	70	80	70	70
	USSLC135WPL			USSLC150WPL			USSLC165WPL		
CCT	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens	15525	15930	16065	17100	17400	17550	18480	18810	18975
Efficacy (lm/W)	115	118	119	114	116	117	112	114	115
Color Accuracy (CRI)	80	70	70	80	70	70	80	70	70

IES Light Distribution

TYPE II placed on the side of the roadway or edge of the area to be lighted. It produces a long, narrow, oval-shaped lighted area which is usually applicable to narrower roadways



TYPE III placed on the side of the roadway or edge of the area to be lighted. It produces an oval-shaped lighted area and is usually applicable to medium width roadways



TYPE IV placed at one corner of the intersection and distributes a wider, oval-shaped light along the four legs of the intersection.

