

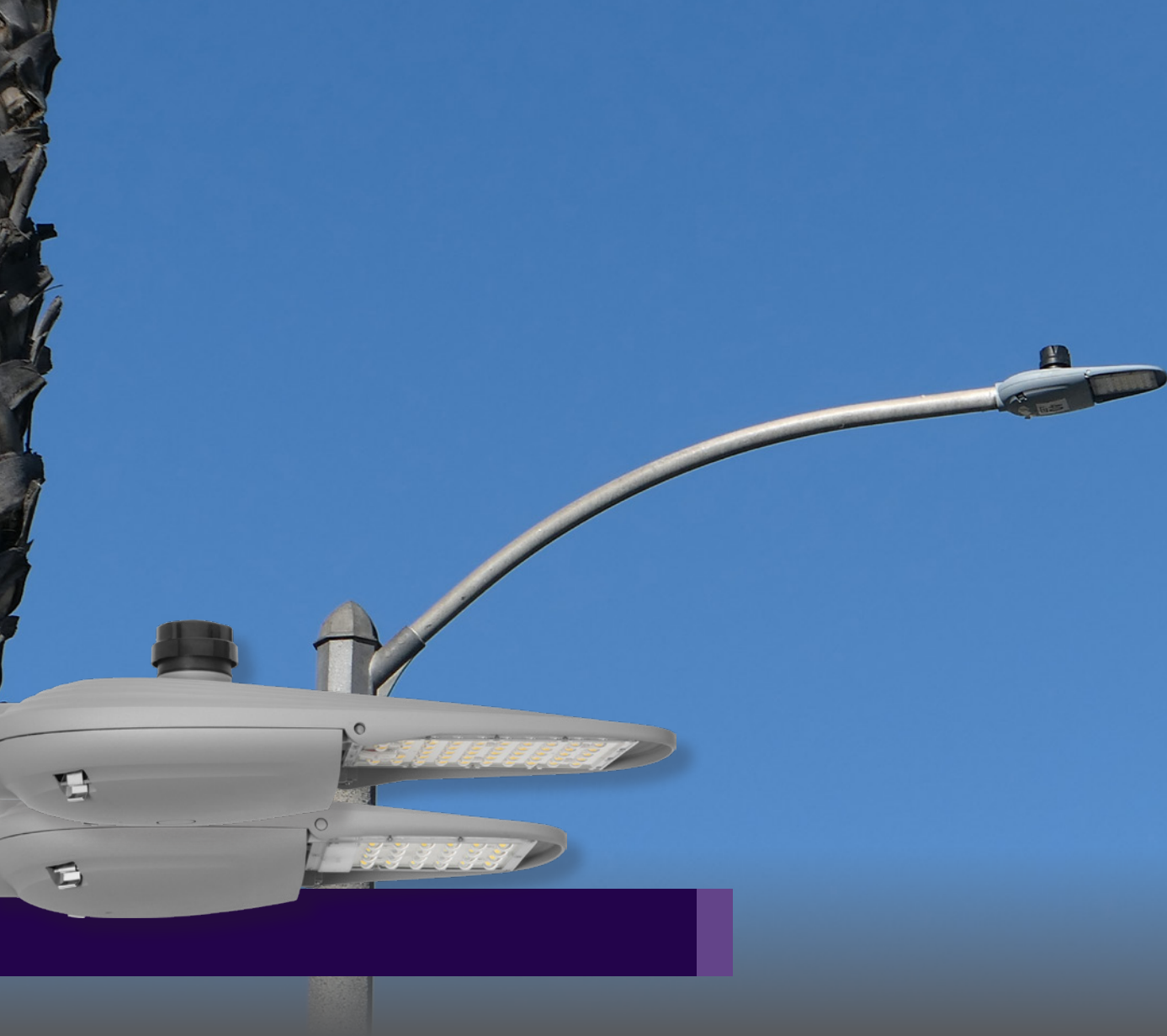
Roadway Lighting



The
FSTATM
Series

LED Roadway Luminaires





The **FSTA**[™] series

- Low maintenance LED luminaries for local, collector and major roadways
- Standard secondary surge protector
- Non-finned self-cleaning housing
- Tool-less entry for easy installation
- IP65, UL 1598 ratings
- Resistant to shock and vibration
- Available in IES Type II, III and IV
- ANSI C136.41 dimmable control receptacle
- 100,000-Hour LED lifespan
- 5-Year warranty

UL cUL
Listed



Complies with the following standards:

- Standard for Luminaires, UL 1598

Complies with the following standards:

- CSA C22.2 No. 250.0-13 - CSA Standard for Safety for Luminaires

DLC
Listed



The DesignLights Consortium® (DLC) is a non-profit organization promotes high-quality, energy-efficient lighting products in collaboration with utilities and energy efficiency program members, manufacturers, lighting designers. DLC Listed high performing LED lighting products may qualify for rebates.

Visit paclights.com to verify DLC listed models and local rebate availability

Controls
Compatible



ANSI C136.1 twist-lock photocell, or C136.41 0-10v 5 or 7-pin twist-lock dimming controls.

Optional twist-lock photo controls (SKUs):

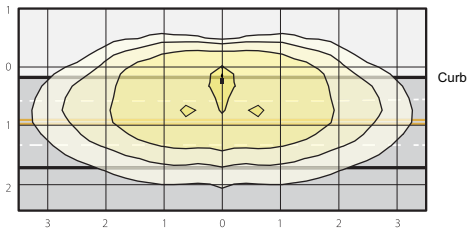
- SE-TLP277/480 - photocell
- SE-TLP277/480DLH - daylight harvesting
- SE-TLP277/480DLM - midnight dimming

Optional motion dimming control (SKU):

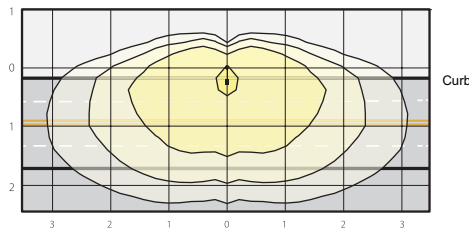
- SE-BC-BRI816 - for selected models

IES Light Distributions

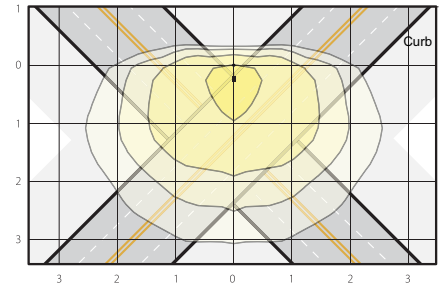
TYPE II placed on the side of the roadway or edge of the area to be lighted. It produces a long, narrow, oval-shaped lighted area which is usually applicable to narrower roadways



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.



Lifespan

100,000-Hour LED Lifespan based on IES LM-80 results and TM-21 calculations

Maximum Ambient Temperature

50°C (122°F)

IP Rating

IP 65 rated. No ingress of dust; No ingress of water projected in jets from any direction

Housing, Hardware & Gasket

Die-cast aluminum housing; stainless steel external hardware; silicone gasket

Lens

Clear acrylic lens with integrated optics

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

Finish

Our environmentally friendly polyester powder coatings are formulated for highdurability and long-lasting color, and contain no VOC or toxic heavy metals.

Color Stability

LED color temperature warrantied not to shift more than 200K in CCT in 5 years

Color Uniformity

PacLights's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Green Technology

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

IESNA LM-79 & LM-80 Testing

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

LEDs

Multi-chip, high-output, long-life LEDs

Drivers

Constant Current, Class I, Input Voltage AC100-277V, 50/60 Hz or AC 200-480V, 50/60 Hz (on FSTA10/11/12/14/15/17 HV models)

0-10v dimmable LED drivers provides smooth and continuous dimming. Power Factor: >0.9; THD < 10%

Wattage: 30w, 40w, 50w, 60w, 70w, 75w, 100w, 110w, 120w, 135w, 150w, 165w

Surge Protector: Driver 6kV/4kV + Secondary 10kV

ANSI C136.41 Receptacle

7-Pin Receptacle with Short-cap

Product Specifications



Performance

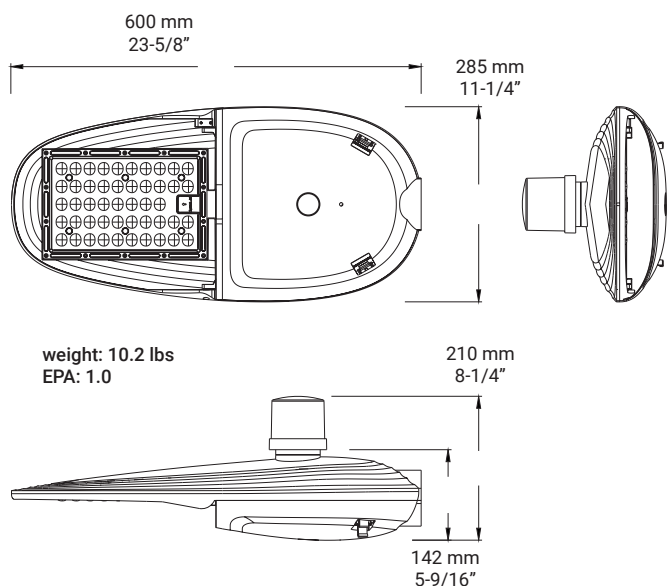
FSTA03				FSTA04				FSTA05			
	2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K
Lumens	3900	4317	4379		5200	5451	5596		6500	6686	6854
Efficacy (lm/w)	130	135	139		130	134	137		130	131	134
Color Accuracy (CRI)	80	72	72		80	72	72		80	72	72

FSTA06				FSTA07				FSTA08			
	2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K
Lumens	7500	7891	8025		8750	8909	9161		9000	9281	9571
Efficacy (lm/w)	125	127	130		125	126	129		120	125	128
Color Accuracy (CRI)	80	72	72		80	73	73		80	73	73

FSTA10				FSTA11				FSTA12			
	2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K
Lumens	13000	14054	14396		14300	15030	15412		15000	15607	15989
Efficacy (lm/w)	130	139	142		130	136	140		125	129	133
Color Accuracy (CRI)	80	72	72		80	73	73		80	73	73

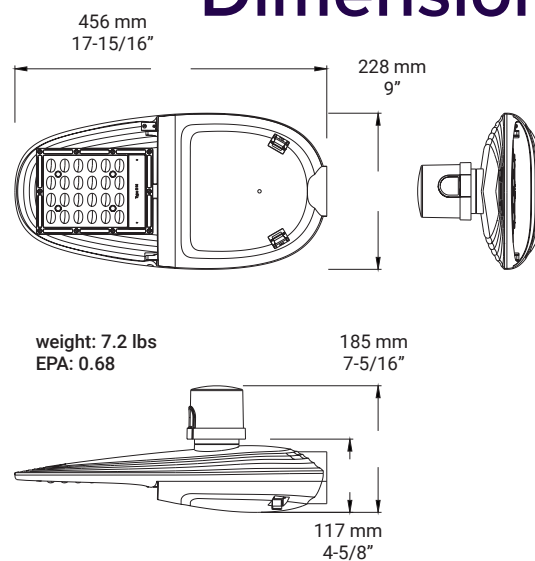
FSTA14				FSTA15				FSTA17			
	2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K
Lumens	16875	16999	17395		18000	19036	19528		19800	20765	21355
Efficacy (lm/w)	125	126	129		120	125	128		120	124	127
Color Accuracy (CRI)	80	73	73		80	73	73		80	73	73

Dimensions



w/ control installed

FSTA10/11/12/14/15/17



FSTA03/04/05/06/07/08

w/ control installed

Ordering Matrix

Family		Model		Color Temperature		Input Voltage		Light Distribution		Housing Color		Optional Addon ²	
FSTA													
03	30w	10	100w	27	2700K	UV	100-277v	T2	IES Type II	GR	Roadway Gray	PS	Photocell
04	40w	11	110w	30	3000K	HV ¹	200-480v	T3 ²	IES Type III	XX ³	Other Color	PD	Photocell w/ Daylight harvesting
05	50w	12	120w	40	4000K			T4 ²	IES Type IV			PM	Photocell w/ Daylight harvesting & midnight dimming
06	60w	14	135w	50	5000K								
07	70w	15	150w										
08	75w	17	165w										
							Note:	1 FSTA10/11/12/14/15/17 models only; 2 Extra cost apply; 3 Special order					
												MS ¹	Motion Sensor

Note: ¹ FSTA10/11/12/14/15/17 models only;
² Extra cost apply;
³ Special order



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