



The
FSTATM
Series

Field-adjustable lumen output
LED Roadway Light





field-adjustable lumen output
LED Roadway Light



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES

Field-adjustable lumen/wattage standard on all models

Standard Secondary Surge Protector

NEMA Twist-lock Control Receptacle and Short Cap included

Easy installation with Tool-Less Entry and Terminal Block

Optional Bi-level motion control

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

UL 1598 Suitable for wet locations

IESNA LM79 & LM-80 Testing

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

DLC Qualification

Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.design-lights.org/qpl

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, surface-mount LEDs

Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Rendering Index

>70

Color Uniformity

PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

OTHER

5-Year Limited Warranty**

The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

**PacLights's warranty is subject to all terms and conditions found at paclights.com/warranty

CONSTRUCTION

IP Rating

Ingress Protection rating of IP65 for dust and water

Ambient Temperature

Suitable for up to 50° C (122° F), minimum starting -40° C (-40 F°)

Housing

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

Mounting Methods

Fits most standard roadway upsweep arms. 4-Bolt mount bracket supplied fits from 1-3/4" to 2-3/8" OD pipe arms.

Green Technology

Mercury and UV free, and RoHS compliant.

Lens

Polycarbonate. IES Type II distribution (roadway), beam angle 160° x 100° (50%).

ELECTRICAL

Drivers

0-10V dimming

Input Voltage: 120-277v AC, 50-60 Hz

Power Factor > 0.95; THD < 20%

Secondary Surge Protector

10kV (in addition to LED driver's integrated 6kV L/N-PE, 4kV L-N lightning arrester)

Control Receptacle

NEMA 7-pin twist-lock receptacle with short-cap. Compatible with ANSI C136.1 twist-lock photocell, or C136.41 0-10v 5 or 7-pin twist-lock dimming controls.

Max wattage / Input current

MODEL	Max Watt.	Watt. Adj. Levels	120v	208v	240v	277v
FSTA/2-L	60w	60w-50w-40w	0.55A	0.32A	0.28A	0.24A
FSTA/2-M	90w	90w-75w-60w	0.83A	0.48A	0.42A	0.36A
FSTA/2-H	120w	120w-100w-80w	1.10A	0.64A	0.55A	0.48A
FSTA/2-X	240w	240w-200w-150w	2.20A	1.28A	1.10A	0.96A

FIELD ADJUSTABLE Standard

FIELD ADJUSTABLE LUMEN OUTPUT/WATTAGE



Select the desired output power by adjusting the respective Wattage Selection Knob to the desired value, for different lumen outputs. Lumen Output can be changed before, during and after installation.

SURGE PROTECTION Standard

SECONDARY SURGE PROTECTOR



Secondary surge protector can act as the second line of defense, in addition to the LED driver's integrated lightning arrester.



GLARE SHIELD Optional

GLARE SHIELD (-GS)

For residential, tourist and conservation areas, roadways must be able to install lighting systems that avoid unwanted illumination onto adjacent properties. PacLights engineered optical systems include glare shield that control light and distribute it on the task at hand to limit light trespass. This allows facilities to install luminaires and poles where they are needed for maximum effectiveness.



CONTROLS Optional

TWIST-LOCK PHOTOCONTROLS (-PS/-DL/-DM)

PacLights advanced electronic **SE-TLP Series** Photocontrol provides a unique, durable, and multi-volt control especially designed for 15 years of operation. It utilises inter-locking base/cap design for excellent environmental housing. High temperature base material, along with a UV stabilised, opaque housing ensure our control will last years without degradation. PacLights uses a process of IR filtering a phototransistor which in turn gives a human eye response along with long-term, drift free light sensing for the life of the control.



- Multi-volt operation
- Daylight harvesting models
- Mid-Night dimming models
- High-temperature components
- MOV surge protection
- Meets or exceeds ANSI C136.10

for detail refer to **SE-TLP Series** specification

BI-LEVEL MOTION CONTROL (-MC)



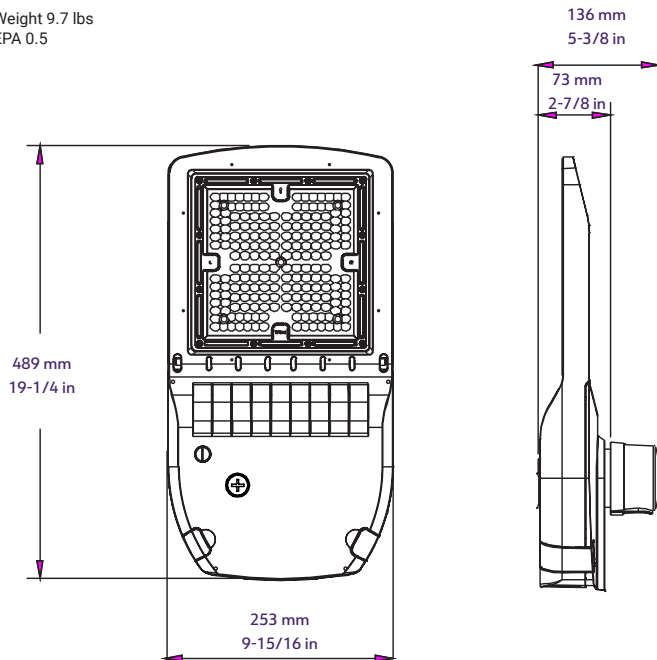
Motion control detect motions and contains a signature 3-step dimming function, which is perfect for low traffic roadways. Control parameters are adjustable by an optional wireless commissioning device.



DIMENSIONS

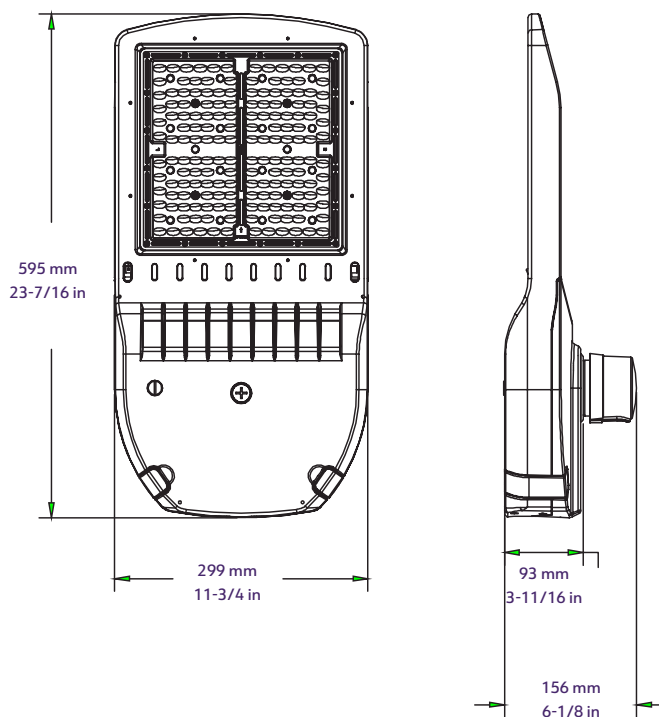
FSTA/2-L, FSTA/2-M, FSTA/2-H

Weight 9.7 lbs
EPA 0.5



FSTA/2-X

Weight 13.8 lbs
EPA 0.7



FINISHES

standard roadway gray

PERFORMANCE

FSTA/2 - L

Output wattage field-adjustable to 60w/50w/40w

60W	3000K Warm	4000K Neutral	5000K Daylight	50W	3000K Warm	4000K Neutral	5000K Daylight	40W	3000K Warm	4000K Neutral	5000K Daylight
LUMENS	8,280	8,580	8,640	LUMENS	6,900	7,150	7,200	LUMENS	5520	5,720	5,760
LM/W	138	143	144	LM/W	138	143	144	LM/W	138	143	144

FSTA/2 - M

Output wattage field-adjustable to 90w/75w/60w

90W	3000K Warm	4000K Neutral	5000K Daylight	75W	3000K Warm	4000K Neutral	5000K Daylight	60W	3000K Warm	4000K Neutral	5000K Daylight
LUMENS	12,420	12,690	12,960	LUMENS	10,350	10,575	10,800	LUMENS	8,280	8,460	8,640
LM/W	138	141	144	LM/W	138	141	144	LM/W	138	141	144

FSTA/2 - H

Output wattage field-adjustable to 120w/100w/80w

120W	3000K Warm	4000K Neutral	5000K Daylight	100W	3000K Warm	4000K Neutral	5000K Daylight	80W	3000K Warm	4000K Neutral	5000K Daylight
LUMENS	16,560	16,920	17,160	LUMENS	13,800	14,100	14,300	LUMENS	11,040	11,280	11,440
LM/W	138	141	143	LM/W	138	141	143	LM/W	138	141	143

FSTA/2 - X

Output wattage field-adjustable to 240w/200w/150w

240W	3000K Warm	4000K Neutral	5000K Daylight	200W	3000K Warm	4000K Neutral	5000K Daylight	150W	3000K Warm	4000K Neutral	5000K Daylight
LUMENS	31,440	32,400	33,360	LUMENS	26,200	27,000	27,800	LUMENS	19,650	20,250	20,850
LM/W	131	135	139	LM/W	131	135	139	LM/W	131	135	139

ORDERING INFORMATION

FSTA™ generation 2

Family	Model	CCT	Optics	Options
FSTA/2	—	—	—	—
L	60w/50w/40w wattage field-adjustable	30 3000K ¹ 40 4000K 50 5000K ¹	T2 IES Type II (roadway)	HV 480v input upgrade ¹ GS Glare shield PS Photocell control DL Photocell + daylight harvesting dimming control DM Photocell + daylight harvesting + mid-night dimming control MC Bi-level motion control ¹
M	90w/75w/60w wattage field-adjustable			
H	120w/100w/80w wattage field-adjustable			
X	240w/200w/150w wattage field-adjustable			

¹ special order