

DESCRIPTION

The Prevail™ LED pole and fixture combination makes selection and installation of poles and fixtures simple. Included is the die-cast Prevail area, site and roadway luminaire with standard mounting arm, square straight steel pole, anchor bolts, base cover, template and hardware. Stock configurations are available in single and dual fixture combinations. The Prevail luminaire delivers a new level of versatility and value in patent pending, architectural design that delivers energy savings greater than 62% and replaces 150-450W metal halide fixtures. The Prevail fixture and pole combo is ideal for general area/site lighting applications.

SPECIFICATION FEATURES

Construction

Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing in dark bronze polyester powder paint. The die-cast aluminum door is tethered to the driver to provide easy access to the driver if replacement is required. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31).

Optics

Available in Type III and IV distributions with lumen packages ranging from 6,173 to 18,992 nominal lumens. Light engine configurations consist of 1 or 2 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/60,000 hours at 25°C) per IESNA TM-21. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

Electrical

Available in 120-277V 60/60Hz, 10kV/10kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture to accommodate controls capability such as dimming and occupancy. Suitable for ambient temperatures from -40°C to 40°C.

Controls

An integrated dimming and occupancy sensor is available in bi-level dimming (MSP/DIM) operation.

Mounting

The versatile, patent pending, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

Pole

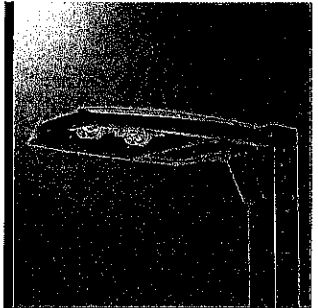
Shaft is one-piece construction ASTM A500 grade "B" steel, shot blasted and finished in dark bronze polyester powder coat. Anchor base is fabricated from ASTM grade steel. ASTM A368 steel full base cover is provided to enclose base plate and anchor bolts. Anchor bolts are per ASTM A576 with two nuts, two flat washers, and one lock washer. Hardware and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

Finish

Housing and cast parts finished in five-stage super TGIC polyester bronze powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.

Warranty

Five-year warranty.

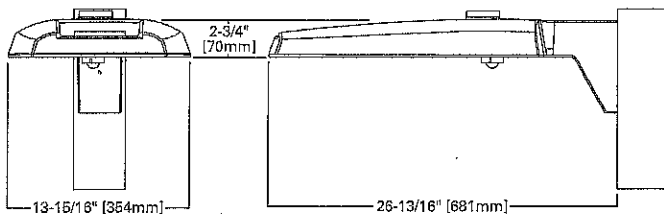


PPFRV PREVAIL POLE AND FIXTURE COMBO

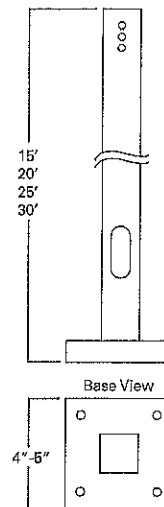
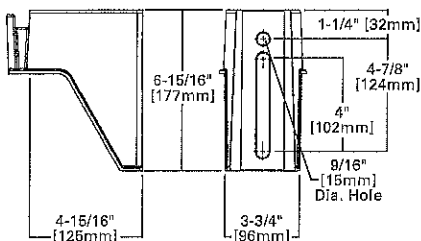
LED

POLE AND FIXTURE COMBO

DIMENSIONS



POLE MOUNT ARM



CERTIFICATION DATA

UL and cUL Wet Location Listed
IP66-Rated
3G Vibration Rated
ISO 9001
DesignLights Consortium™ Qualified*

ENERGY DATA

Electronic LED Driver
0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/60 and 60Hz,
347V/60Hz, 480V/60Hz
-40°C Minimum Temperature Rating
+40°C Ambient Temperature Rating

EPA

Effective Projected Area (Sq. Ft.): 0.75
(1 fixture)

SHIPPING DATA

Approximate Net Weight:
20lbs. [9.09 kgs.] (1 fixture)

ORDERING INFORMATION

Sample Number: PFPRV-1-A25-T3-15-N/AB

Series ^{1,2,3}	Number of Fixtures	Light Engine	Distribution	Pole Height	Maximum Wind Zone (MPH)	Options (Add as Suffix)	Accessories (Order Separately)
PFPRV=Prevail Pole and Fixture Combo	1=1 2=2 3=3 4=4	A15=(1 LED) 6,100 Nominal Lumens A25=(2 LED) 10,200 Nominal Lumens A40=(2 LED) 15,100 Nominal Lumens A60=(2 LED) 18,900 Nominal Lumens	T3=Type III T4=Type IV	15=15' 20=20' 25=25' 30=30'	Blank=80 9=90 0=100	N/AB=No Anchor Bolts (Used when ordered separately) HSS=House Side Shield MSP/DIM-L12=Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height MSP/DIM-L30=Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height PER=NEMA 3PIN Twistlock Photocontrol Receptacle ⁴ PER7=NEMA 7PIN Twistlock Photocontrol Receptacle ⁴	HS/VERD=House Side Shield

NOTES: 1 4000K CCT, standard bronze, 120-277V, 0-10V dimming. 2 Standard mount arm included with fixture. Supplied with straight steel shaft, anchor bolts, template, base cover end hardware. 3 DesignLights Consortium™ Qualified and classified for DLC standard, refer to www.designlights.org for details. 4 Not available with MSP options.

POWER AND LUMENS

Light Engine	A15	A25	A40	A60	
Nominal Power (Watts)	57W	87W	143W	163W	
Input Current @ 120V (A)	0.49	0.76	1.23	1.34	
Input Current @ 277V (A)	0.22	0.35	0.54	0.60	
Input Current @ 347V (A)	0.18	0.28	0.45	0.49	
Input Current @ 480V (A)	0.13	0.21	0.33	0.35	
Type II	Lumens	6,139	10,204	15,073	18,830
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
Type III	Lumens	6,192	10,292	15,203	18,992
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
Type IV	Lumens	6,173	10,261	15,157	18,935
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5
Type V	Lumens	6,393	10,627	15,697	19,610
	BUG Rating	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4

NOTE: Lumen output for standard bronze fixture color. Different housing colors impact lumen output. IES files for the non-standard colors are available upon request.

LUMEN MAINTENANCE

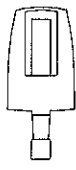
Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	Theoretical 100,000 Hours	Theoretical L70 (Hours)*
25°C	> 96%	> 93%	> 92%	> 87%	> 260,000
40°C	> 96%	> 93%	> 92%	> 87%	> 255,000
50°C	> 95%	> 92%	> 91%	> 86%	> 250,000

* Per IESNA TM-21 data.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

ONE FIXTURE CONFIGURATION
(30FT CONFIGURATIONS WITH 80, 90 AND 100MPH WIND ZONES USE A 5" POLE)

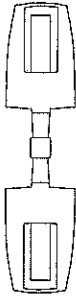
	Mounting Height (Feet)	Lumens (Nominal)	Distribution	Maximum Wind Zone (MPH)			HID Equivalent (Wattage)
				80	90	100	
 <p>EPA=0.75 T3=18,992 T4=18,935</p>	15'	6,192	Type III	PFPRV-1-A15-T3-15 ²	PFPRV-1-A15-T3-15-9 ²	PFPRV-1-A15-T3-15-0 ²	150W
		6,173	Type IV	PFPRV-1-A15-T4-15 ²	PFPRV-1-A15-T4-15-9 ²	PFPRV-1-A15-T4-15-0 ²	150W
		10,292	Type III	PFPRV-1-A25-T3-15 ²	PFPRV-1-A25-T3-15-9 ²	PFPRV-1-A25-T3-15-0 ²	250W
		10,261	Type IV	PFPRV-1-A25-T4-15 ²	PFPRV-1-A25-T4-15-9 ²	PFPRV-1-A25-T4-15-0 ²	250W
		15,203	Type III	PFPRV-1-A40-T3-15 ²	PFPRV-1-A40-T3-15-9 ²	PFPRV-1-A40-T3-15-0 ²	400W
		15,157	Type IV	PFPRV-1-A40-T4-15 ²	PFPRV-1-A40-T4-15-9 ²	PFPRV-1-A40-T4-15-0 ²	400W
		18,992	Type III	PFPRV-1-A60-T3-15 ²	PFPRV-1-A60-T3-15-9 ²	PFPRV-1-A60-T3-15-0 ²	460W
		18,935	Type IV	PFPRV-1-A60-T4-15 ²	PFPRV-1-A60-T4-15-9 ²	PFPRV-1-A60-T4-15-0 ²	460W
	20'	6,192	Type III	PFPRV-1-A15-T3-20 ²	PFPRV-1-A15-T3-20-9 ²	PFPRV-1-A15-T3-20-0 ²	150W
		6,173	Type IV	PFPRV-1-A15-T4-20 ²	PFPRV-1-A15-T4-20-9 ²	PFPRV-1-A15-T4-20-0 ²	150W
		10,292	Type III	PFPRV-1-A25-T3-20 ²	PFPRV-1-A25-T3-20-9 ²	PFPRV-1-A25-T3-20-0 ²	250W
		10,261	Type IV	PFPRV-1-A25-T4-20 ²	PFPRV-1-A25-T4-20-9 ²	PFPRV-1-A25-T4-20-0 ²	250W
		15,203	Type III	PFPRV-1-A40-T3-20 ²	PFPRV-1-A40-T3-20-9 ²	PFPRV-1-A40-T3-20-0 ²	400W
		15,157	Type IV	PFPRV-1-A40-T4-20 ²	PFPRV-1-A40-T4-20-9 ²	PFPRV-1-A40-T4-20-0 ²	400W
		18,992	Type III	PFPRV-1-A60-T3-20 ²	PFPRV-1-A60-T3-20-9 ²	PFPRV-1-A60-T3-20-0 ²	460W
		18,935	Type IV	PFPRV-1-A60-T4-20 ²	PFPRV-1-A60-T4-20-9 ²	PFPRV-1-A60-T4-20-0 ²	460W
	25'	6,192	Type III	PFPRV-1-A15-T3-25 ²	PFPRV-1-A15-T3-25-9 ²	PFPRV-1-A15-T3-25-0 ²	150W
		6,173	Type IV	PFPRV-1-A15-T4-25 ²	PFPRV-1-A15-T4-25-9 ²	PFPRV-1-A15-T4-25-0 ²	150W
		10,292	Type III	PFPRV-1-A25-T3-25 ²	PFPRV-1-A25-T3-25-9 ²	PFPRV-1-A25-T3-25-0 ²	250W
		10,261	Type IV	PFPRV-1-A25-T4-25 ²	PFPRV-1-A25-T4-25-9 ²	PFPRV-1-A25-T4-25-0 ²	250W
		15,203	Type III	PFPRV-1-A40-T3-25 ²	PFPRV-1-A40-T3-25-9 ²	PFPRV-1-A40-T3-25-0 ²	400W
		15,157	Type IV	PFPRV-1-A40-T4-25 ²	PFPRV-1-A40-T4-25-9 ²	PFPRV-1-A40-T4-25-0 ²	400W
		18,992	Type III	PFPRV-1-A60-T3-25 ²	PFPRV-1-A60-T3-25-9 ²	PFPRV-1-A60-T3-25-0 ²	460W
		18,935	Type IV	PFPRV-1-A60-T4-25 ²	PFPRV-1-A60-T4-25-9 ²	PFPRV-1-A60-T4-25-0 ²	460W
	30'	6,192	Type III	PFPRV-1-A15-T3-30 ²	PFPRV-1-A15-T3-30-9 ²	PFPRV-1-A15-T3-30-0 ²	150W
		6,173	Type IV	PFPRV-1-A15-T4-30 ²	PFPRV-1-A15-T4-30-9 ²	PFPRV-1-A15-T4-30-0 ²	150W
		10,292	Type III	PFPRV-1-A25-T3-30 ²	PFPRV-1-A25-T3-30-9 ²	PFPRV-1-A25-T3-30-0 ²	250W
10,261		Type IV	PFPRV-1-A25-T4-30 ²	PFPRV-1-A25-T4-30-9 ²	PFPRV-1-A25-T4-30-0 ²	250W	
15,203		Type III	PFPRV-1-A40-T3-30 ²	PFPRV-1-A40-T3-30-9 ²	PFPRV-1-A40-T3-30-0 ²	400W	
15,157		Type IV	PFPRV-1-A40-T4-30 ²	PFPRV-1-A40-T4-30-9 ²	PFPRV-1-A40-T4-30-0 ²	400W	
18,992		Type III	PFPRV-1-A60-T3-30 ²	PFPRV-1-A60-T3-30-9 ²	PFPRV-1-A60-T3-30-0 ²	460W	
18,935		Type IV	PFPRV-1-A60-T4-30 ²	PFPRV-1-A60-T4-30-9 ²	PFPRV-1-A60-T4-30-0 ²	460W	

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
- Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 28' combo SS4A28SFM4.
- Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5A30SFM4.
- Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.
- Refer to In Stock Guide for stocked configurations and availability.

TWO FIXTURE CONFIGURATION
(30FT CONFIGURATIONS WITH 80, 90, 100MPH WIND ZONES AND 25FT CONFIGURATIONS WITH 100MPH WIND ZONE USE 5" POLES)

Mounting Height (Feet)	Lumens (Nominal)	Distribution	Maximum Wind Zone (MPH)			HID Equivalent (Wattage)
			80	90	100	
15'	6,192	Type III	PFPRV-2-A15-T3-15 ²	PFPRV-2-A15-T3-15-9 ²	PFPRV-2-A15-T3-15-0 ²	150W
	6,173	Type IV	PFPRV-2-A15-T4-15 ²	PFPRV-2-A15-T4-15-9 ²	PFPRV-2-A15-T4-15-0 ²	150W
	10,292	Type III	PFPRV-2-A25-T3-15 ²	PFPRV-2-A25-T3-15-9 ²	PFPRV-2-A25-T3-15-0 ²	250W
	10,261	Type IV	PFPRV-2-A25-T4-15 ²	PFPRV-2-A25-T4-15-9 ²	PFPRV-2-A25-T4-15-0 ²	250W
	15,203	Type III	PFPRV-2-A40-T3-15 ²	PFPRV-2-A40-T3-15-9 ²	PFPRV-2-A40-T3-15-0 ²	400W
	15,157	Type IV	PFPRV-2-A40-T4-15 ²	PFPRV-2-A40-T4-15-9 ²	PFPRV-2-A40-T4-15-0 ²	400W
	18,992	Type III	PFPRV-2-A60-T3-15 ²	PFPRV-2-A60-T3-15-9 ²	PFPRV-2-A60-T3-15-0 ²	450W
	18,935	Type IV	PFPRV-2-A60-T4-15 ²	PFPRV-2-A60-T4-15-9 ²	PFPRV-2-A60-T4-15-0 ²	450W
20'	6,192	Type III	PFPRV-2-A15-T3-20 ²	PFPRV-2-A15-T3-20-9 ²	PFPRV-2-A15-T3-20-0 ²	150W
	6,173	Type IV	PFPRV-2-A15-T4-20 ²	PFPRV-2-A15-T4-20-9 ²	PFPRV-2-A15-T4-20-0 ²	150W
	10,292	Type III	PFPRV-2-A25-T3-20 ²	PFPRV-2-A25-T3-20-9 ²	PFPRV-2-A25-T3-20-0 ²	250W
	10,261	Type IV	PFPRV-2-A25-T4-20 ²	PFPRV-2-A25-T4-20-9 ²	PFPRV-2-A25-T4-20-0 ²	250W
	15,203	Type III	PFPRV-2-A40-T3-20 ²	PFPRV-2-A40-T3-20-9 ²	PFPRV-2-A40-T3-20-0 ²	400W
	15,157	Type IV	PFPRV-2-A40-T4-20 ²	PFPRV-2-A40-T4-25-9 ²	PFPRV-2-A40-T4-20-0 ²	400W
	18,992	Type III	PFPRV-2-A60-T3-20 ²	PFPRV-2-A60-T3-20-9 ²	PFPRV-2-A60-T3-20-0 ²	450W
	18,935	Type IV	PFPRV-2-A60-T4-20 ²	PFPRV-2-A60-T4-20-9 ²	PFPRV-2-A60-T4-20-0 ²	450W
25'	6,192	Type III	PFPRV-2-A15-T3-25 ²	PFPRV-2-A15-T3-25-9 ²	PFPRV-2-A15-T3-25-0 ²	150W
	6,173	Type IV	PFPRV-2-A15-T4-25 ²	PFPRV-2-A15-T4-25-9 ²	PFPRV-2-A15-T4-25-0 ²	150W
	10,292	Type III	PFPRV-2-A25-T3-25 ²	PFPRV-2-A25-T3-25-9 ²	PFPRV-2-A25-T3-25-0 ²	250W
	10,261	Type IV	PFPRV-2-A25-T4-25 ²	PFPRV-2-A25-T4-25-9 ²	PFPRV-2-A25-T4-25-0 ²	250W
	15,203	Type III	PFPRV-2-A40-T3-25 ²	PFPRV-2-A40-T3-25-9 ²	PFPRV-2-A40-T3-25-0 ²	400W
	15,157	Type IV	PFPRV-2-A40-T4-25 ²	PFPRV-2-A40-T4-25-9 ²	PFPRV-2-A40-T4-25-0 ²	400W
	18,992	Type III	PFPRV-2-A60-T3-25 ²	PFPRV-2-A60-T3-25-9 ²	PFPRV-2-A60-T3-25-0 ²	450W
	18,935	Type IV	PFPRV-2-A60-T4-25 ²	PFPRV-2-A60-T4-25-9 ²	PFPRV-2-A60-T4-25-0 ²	450W
30'	6,192	Type III	PFPRV-2-A15-T3-30 ³	PFPRV-2-A15-T3-30-9 ³	PFPRV-2-A15-T3-30-0 ⁴	150W
	6,173	Type IV	PFPRV-2-A15-T4-30 ³	PFPRV-2-A15-T4-30-9 ³	PFPRV-2-A15-T4-30-0 ⁴	150W
	10,292	Type III	PFPRV-2-A25-T3-30 ³	PFPRV-2-A25-T3-30-9 ³	PFPRV-2-A25-T3-30-0 ⁴	250W
	10,261	Type IV	PFPRV-2-A25-T4-30 ³	PFPRV-2-A25-T4-30-9 ³	PFPRV-2-A25-T4-30-0 ⁴	250W
	15,203	Type III	PFPRV-2-A40-T3-30 ³	PFPRV-2-A40-T3-30-9 ³	PFPRV-2-A40-T3-30-0 ⁴	400W
	15,157	Type IV	PFPRV-2-A40-T4-30 ³	PFPRV-2-A40-T4-30-9 ³	PFPRV-2-A40-T4-30-0 ⁴	400W
	18,992	Type III	PFPRV-2-A60-T3-30 ³	PFPRV-2-A60-T3-30-9 ³	PFPRV-2-A60-T3-30-0 ⁴	450W
	18,935	Type IV	PFPRV-2-A60-T4-30 ³	PFPRV-2-A60-T4-30-9 ³	PFPRV-2-A60-T4-30-0 ⁴	450W



EPA=1.50

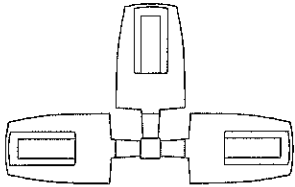
NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IS500002EN and pole white paper WP613001EN for additional support information.
- Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SF4, 20' combo SS4A20SF4, and 25' combo SS4A25SF4.
- Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 25' combo SS5A25SF4 and 30' combo SS5A30SF4.
- Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SF4.
- Refer to In Stock Guide for stocked configurations and availability.

THREE FIXTURE CONFIGURATION

(30FT CONFIGURATIONS WITH 80, 90, 100MPH WIND ZONES AND 25FT CONFIGURATIONS WITH 90, 100MPH WIND ZONE USE 5" POLES)

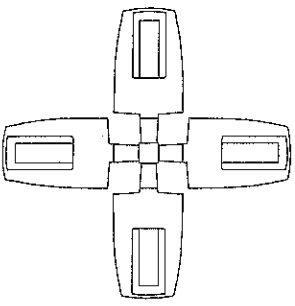
Mounting Height (Feet)	Lumens (Nominal)	Distribution	Maximum Wind Zone (MPH)			HID Equivalent (Wattage)
			80	90	100	
15'	6,192	Type III	PFPRV-3-A15-T3-15 ²	PFPRV-3-A15-T3-15-9 ²	PFPRV-3-A15-T3-15-0 ²	150W
	6,173	Type IV	PFPRV-3-A15-T4-15 ²	PFPRV-3-A15-T4-15-9 ²	PFPRV-3-A15-T4-15-0 ²	150W
	10,292	Type III	PFPRV-3-A25-T3-15 ²	PFPRV-3-A25-T3-15-9 ²	PFPRV-3-A25-T3-15-0 ²	250W
	10,261	Type IV	PFPRV-3-A25-T4-15 ²	PFPRV-3-A25-T4-15-9 ²	PFPRV-3-A25-T4-15-0 ²	250W
	15,203	Type III	PFPRV-3-A40-T3-15 ²	PFPRV-3-A40-T3-15-9 ²	PFPRV-3-A40-T3-15-0 ²	400W
	15,157	Type IV	PFPRV-3-A40-T4-15 ²	PFPRV-3-A40-T4-15-9 ²	PFPRV-3-A40-T4-15-0 ²	400W
	18,992	Type III	PFPRV-3-A60-T3-15 ²	PFPRV-3-A60-T3-15-9 ²	PFPRV-3-A60-T3-15-0 ²	450W
	18,935	Type IV	PFPRV-3-A60-T4-15 ²	PFPRV-3-A60-T4-15-9 ²	PFPRV-3-A60-T4-15-0 ²	450W
20'	6,192	Type III	PFPRV-3-A15-T3-20 ²	PFPRV-3-A15-T3-20-9 ²	PFPRV-3-A15-T3-20-0 ²	150W
	6,173	Type IV	PFPRV-3-A15-T4-20 ²	PFPRV-3-A15-T4-20-9 ²	PFPRV-3-A15-T4-20-0 ²	150W
	10,292	Type III	PFPRV-3-A25-T3-20 ²	PFPRV-3-A25-T3-20-9 ²	PFPRV-3-A25-T3-20-0 ²	250W
	10,261	Type IV	PFPRV-3-A25-T4-20 ²	PFPRV-3-A25-T4-20-9 ²	PFPRV-3-A25-T4-20-0 ²	250W
	15,203	Type III	PFPRV-3-A40-T3-20 ²	PFPRV-3-A40-T3-20-9 ²	PFPRV-3-A40-T3-20-0 ²	400W
	15,157	Type IV	PFPRV-3-A40-T4-20 ²	PFPRV-3-A40-T4-25-9 ²	PFPRV-3-A40-T4-20-0 ²	400W
	18,992	Type III	PFPRV-3-A60-T3-20 ²	PFPRV-3-A60-T3-20-9 ²	PFPRV-3-A60-T3-20-0 ²	450W
	18,935	Type IV	PFPRV-3-A60-T4-20 ²	PFPRV-3-A60-T4-20-9 ²	PFPRV-3-A60-T4-20-0 ²	450W
25'	6,192	Type III	PFPRV-3-A15-T3-25 ²	PFPRV-3-A15-T3-25-9 ³	PFPRV-3-A15-T3-25-0 ³	150W
	6,173	Type IV	PFPRV-3-A15-T4-25 ²	PFPRV-3-A15-T4-25-9 ³	PFPRV-3-A15-T4-25-0 ³	150W
	10,292	Type III	PFPRV-3-A25-T3-25 ²	PFPRV-3-A25-T3-25-9 ³	PFPRV-3-A25-T3-25-0 ³	250W
	10,261	Type IV	PFPRV-3-A25-T4-25 ²	PFPRV-3-A25-T4-25-9 ³	PFPRV-3-A25-T4-25-0 ³	250W
	15,203	Type III	PFPRV-3-A40-T3-25 ²	PFPRV-3-A40-T3-25-9 ³	PFPRV-3-A40-T3-25-0 ³	400W
	15,157	Type IV	PFPRV-3-A40-T4-25 ²	PFPRV-3-A40-T4-25-9 ³	PFPRV-3-A40-T4-25-0 ³	400W
	18,992	Type III	PFPRV-3-A60-T3-25 ²	PFPRV-3-A60-T3-25-9 ³	PFPRV-3-A60-T3-25-0 ³	450W
	18,935	Type IV	PFPRV-3-A60-T4-25 ²	PFPRV-3-A60-T4-25-9 ³	PFPRV-3-A60-T4-25-0 ³	450W
30'	6,192	Type III	PFPRV-3-A15-T3-30 ³	PFPRV-3-A15-T3-30-9 ⁴	PFPRV-3-A15-T3-30-0 ⁴	150W
	6,173	Type IV	PFPRV-3-A15-T4-30 ³	PFPRV-3-A15-T4-30-9 ⁴	PFPRV-3-A15-T4-30-0 ⁴	150W
	10,292	Type III	PFPRV-3-A25-T3-30 ³	PFPRV-3-A25-T3-30-9 ⁴	PFPRV-3-A25-T3-30-0 ⁴	250W
	10,261	Type IV	PFPRV-3-A25-T4-30 ³	PFPRV-3-A25-T4-30-9 ⁴	PFPRV-3-A25-T4-30-0 ⁴	250W
	15,203	Type III	PFPRV-3-A40-T3-30 ³	PFPRV-3-A40-T3-30-9 ⁴	PFPRV-3-A40-T3-30-0 ⁴	400W
	15,157	Type IV	PFPRV-3-A40-T4-30 ³	PFPRV-3-A40-T4-30-9 ⁴	PFPRV-3-A40-T4-30-0 ⁴	400W
	18,992	Type III	PFPRV-3-A60-T3-30 ³	PFPRV-3-A60-T3-30-9 ⁴	PFPRV-3-A60-T3-30-0 ⁴	450W
	18,935	Type IV	PFPRV-3-A60-T4-30 ³	PFPRV-3-A60-T4-30-9 ⁴	PFPRV-3-A60-T4-30-0 ⁴	450W



NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
- Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 25' combo SS4A25SFM4.
- Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 25' combo SS5A25SFM4 and 30' combo SS5A30SFM4.
- Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.
- Refer to In Stock Guide for availability.

FOUR FIXTURE CONFIGURATION
(30FT CONFIGURATIONS WITH 80, 90, 100MPH WIND ZONES AND 25FT CONFIGURATIONS WITH 100MPH WIND ZONE USE 5" POLES)

	Mounting Height (Feet)	Lumens (Nominal)	Distribution	Maximum Wind Zone (MPH)			HID Equivalent (Wattage)
				80	90	100	
 <p>EPA=3.00</p>	15'	6,192	Type III	FFPRV-4-A15-T3-15-2	FFPRV-4-A15-T3-15-9 ²	FFPRV-4-A15-T3-15-0 ²	150W
		6,173	Type IV	FFPRV-4-A15-T4-15-2	FFPRV-4-A15-T4-15-9 ²	FFPRV-4-A15-T4-15-0 ²	150W
		10,292	Type III	FFPRV-4-A25-T3-15-2	FFPRV-4-A25-T3-15-9 ²	FFPRV-4-A25-T3-15-0 ²	250W
		10,261	Type IV	FFPRV-4-A25-T4-15-2	FFPRV-4-A25-T4-15-9 ²	FFPRV-4-A25-T4-15-0 ²	250W
		15,203	Type III	FFPRV-4-A40-T3-15-2	FFPRV-4-A40-T3-15-9 ²	FFPRV-4-A40-T3-15-0 ²	400W
		15,157	Type IV	FFPRV-4-A40-T4-15-2	FFPRV-4-A40-T4-15-9 ²	FFPRV-4-A40-T4-15-0 ²	400W
		18,992	Type III	FFPRV-4-A60-T4-15-2	FFPRV-4-A60-T4-15-9 ²	FFPRV-4-A60-T4-15-0 ²	450W
		18,935	Type IV	FFPRV-4-A60-T4-15-2	FFPRV-4-A60-T4-15-9 ²	FFPRV-4-A60-T4-15-0 ²	450W
	20'	6,192	Type III	FFPRV-4-A15-T3-20-2	FFPRV-4-A15-T3-20-9 ²	FFPRV-4-A15-T3-20-0 ²	150W
		6,173	Type IV	FFPRV-4-A15-T4-20-2	FFPRV-4-A15-T4-20-9 ²	FFPRV-4-A15-T4-20-0 ²	150W
		10,292	Type III	FFPRV-4-A25-T3-20-2	FFPRV-4-A25-T3-20-9 ²	FFPRV-4-A25-T3-20-0 ²	250W
		10,261	Type IV	FFPRV-4-A25-T4-20-2	FFPRV-4-A25-T4-20-9 ²	FFPRV-4-A25-T4-20-0 ²	250W
		15,203	Type III	FFPRV-4-A40-T3-20-2	FFPRV-4-A40-T3-20-9 ²	FFPRV-4-A40-T3-20-0 ²	400W
		15,157	Type IV	FFPRV-4-A40-T4-20-2	FFPRV-4-A40-T4-25-9 ²	FFPRV-4-A40-T4-20-0 ²	400W
		18,992	Type III	FFPRV-4-A60-T4-20-2	FFPRV-4-A60-T4-20-9 ²	FFPRV-4-A60-T4-20-0 ²	450W
		18,935	Type IV	FFPRV-4-A60-T4-20-2	FFPRV-4-A60-T4-20-9 ²	FFPRV-4-A60-T4-20-0 ²	450W
	25'	6,192	Type III	FFPRV-4-A15-T3-25-2	FFPRV-4-A15-T3-25-9 ²	FFPRV-4-A15-T3-25-0 ²	150W
		6,173	Type IV	FFPRV-4-A15-T4-25-2	FFPRV-4-A15-T4-25-9 ³	FFPRV-4-A15-T4-25-0 ²	150W
		10,292	Type III	FFPRV-4-A25-T3-25-2	FFPRV-4-A25-T3-25-9 ³	FFPRV-4-A25-T3-25-0 ²	250W
		10,261	Type IV	FFPRV-4-A25-T4-25-2	FFPRV-4-A25-T4-25-9 ³	FFPRV-4-A25-T4-25-0 ²	250W
		15,203	Type III	FFPRV-4-A40-T3-25-2	FFPRV-4-A40-T3-25-9 ³	FFPRV-4-A40-T3-25-0 ²	400W
		15,157	Type IV	FFPRV-4-A40-T4-25-2	FFPRV-4-A40-T4-25-9 ³	FFPRV-4-A40-T4-25-0 ²	400W
		18,992	Type III	FFPRV-4-A60-T4-25-2	FFPRV-4-A60-T4-25-9 ³	FFPRV-4-A60-T4-25-0 ²	450W
		18,935	Type IV	FFPRV-4-A60-T4-25-2	FFPRV-4-A60-T4-25-9 ³	FFPRV-4-A60-T4-25-0 ²	450W
30'	6,192	Type III	FFPRV-4-A15-T3-30-3	FFPRV-4-A15-T3-30-9 ⁴	FFPRV-4-A15-T3-30-0 ⁴	150W	
	6,173	Type IV	FFPRV-4-A15-T4-30-3	FFPRV-4-A15-T4-30-9 ⁴	FFPRV-4-A15-T4-30-0 ⁴	150W	
	10,292	Type III	FFPRV-4-A25-T3-30-3	FFPRV-4-A25-T3-30-9 ⁴	FFPRV-4-A25-T3-30-0 ⁴	250W	
	10,261	Type IV	FFPRV-4-A25-T4-30-3	FFPRV-4-A25-T4-30-9 ⁴	FFPRV-4-A25-T4-30-0 ⁴	250W	
	15,203	Type III	FFPRV-4-A40-T3-30-3	FFPRV-4-A40-T3-30-9 ⁴	FFPRV-4-A40-T3-30-0 ⁴	400W	
	15,157	Type IV	FFPRV-4-A40-T4-30-3	FFPRV-4-A40-T4-30-9 ⁴	FFPRV-4-A40-T4-30-0 ⁴	400W	
	18,992	Type III	FFPRV-4-A60-T4-30-3	FFPRV-4-A60-T4-30-9 ⁴	FFPRV-4-A60-T4-30-0 ⁴	450W	
	18,935	Type IV	FFPRV-4-A60-T4-30-3	FFPRV-4-A60-T4-30-9 ⁴	FFPRV-4-A60-T4-30-0 ⁴	450W	

- NOTES:**
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WPS13001EN for additional support information.
 - Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 25' combo SS4A25SFM4.
 - Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 25' combo SS5A25SFM4 and 30' combo SS5A30SFM4.
 - Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.
 - Refer to In Stock Guide for availability.

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized

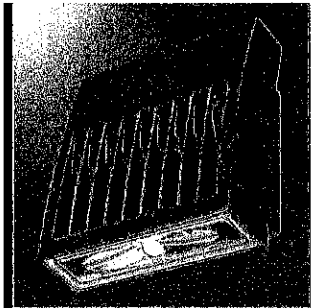
electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty

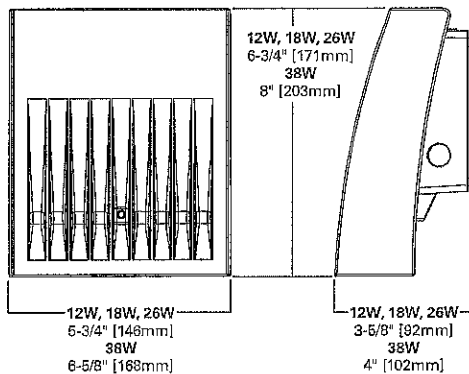
Five-year warranty.



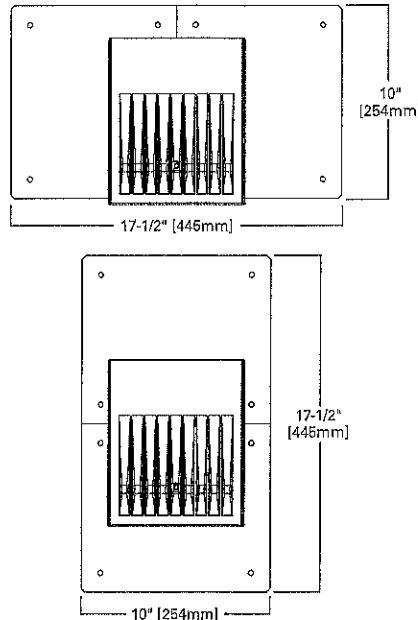
XTOR CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingress Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA

40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

Effective Projected Area (Sq. Ft.):
XTOR1B, XTOR2B, XTOR3B=0.34
XTOR4B=0.45

SHIPPING DATA:

Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

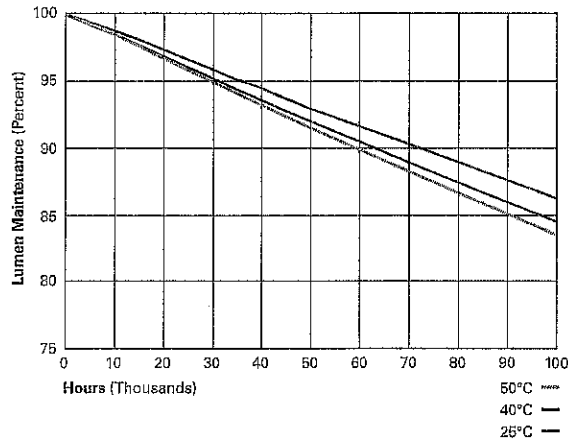
POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,996
Delivered Lumens (With Flood Accessory Kit) ¹	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating ²	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

NOTES: 1 Includes shield and visor. 2 B.U.G. Rating does not apply to floodlighting.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1B Model		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
XTOR2B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR3B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR4B Model		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.16A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.063A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series 1	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)
XTOR1B=Small Door, 12W XTOR2B=Small Door, 18W XTOR3B=Small Door, 26W XTOR4B=Medium Door, 38W	[Blank]=Bright White (Standard), 5000K W=Neutral White, 4000K Y=Warm White, 3000K	[Blank]=Carbon Bronze (Standard) WT=Summit White BK=Black BZ=Bronze AP=Grey GM=Graphite Metallic DP=Dark Platinum	PC1=Photocontrol 120V 2 PC2=Photocontrol 208-277V 2,3 347V=347V 4 HA=50°C High Ambient 4	WG/XTOR=Wire Guard 6 XTORFLD-KNC=Knuckle Floodlight Kit 6 XTORFLD-TRN=Trunnion Floodlight Kit 6 XTORFLD-KNC-WT=Knuckle Floodlight Kit, Summit White 6 XTORFLD-TRN-WT=Trunnion Floodlight Kit, Summit White 6 EWP/XTOR=Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT=Escutcheon Wall Plate, Summit White

NOTES:

1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Photocontrols are factory installed.
3. Order PC2 for 347V models.
4. Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
5. Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
6. Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

STOCK ORDERING INFORMATION

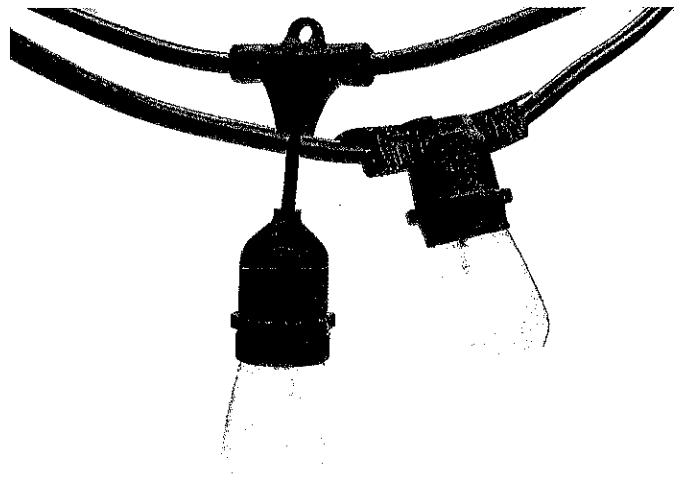
12W Series	18W Series	26W Series	38W Series
XTOR1B=7W, 5000K, Carbon Bronze	XTOR2B=18W, 5000K, Carbon Bronze	XTOR3B=26W, 5000K, Carbon Bronze	XTOR4B=38W, 5000K, Carbon Bronze
XTOR1B-WT=12W, 5000K, Summit White	XTOR2B-W=18W, 4000K, Carbon Bronze	XTOR3B-W=26W, 4000K, Carbon Bronze	XTOR4B-W=38W, 4000K, Carbon Bronze
XTOR1B-PC1=12W, 5000K, 120V PC, Carbon Bronze	XTOR2B-WT=18W, 5000K, Summit White	XTOR3B-WT=26W, 5000K, Summit White	XTOR4B-WT=38W, 5000K, Summit White
XTOR1B-W=12W, 4000K, Carbon Bronze	XTOR2B-PC1=18W, 5000K, 120V PC, Carbon Bronze	XTOR3B-PC1=26W, 5000K, 120V PC, Carbon Bronze	XTOR4B-PC1=38W, 5000K, 120V PC, Carbon Bronze
XTOR1B-W-PC1=12W, 4000K, 120V PC, Carbon Bronze	XTOR2B-W-PC1=18W, 4000K, 120V PC, Carbon Bronze		XTOR4B-W-PC1=38W, 4000K, 120V PC, Carbon Bronze

PAVILION LIGHT STRING



Pavilion Light String

- Great decorative lighting product for patios, gazebos, building outlines, event tents, and retail walkways
- Factory-molded, formulated PVC sockets on heavy-duty wire form a tight weather resistant seal around bulbs
- Suitable for commercial applications
- Support cable available (see page 61)
- Bulk reels have 24" lead wire; kits have fused power cord molded to lead wire
- Bulbs sold separately (see pages 26-37)



Specifications: ETLs Series Sets

Input voltage	120V AC, 60Hz
Wire	14AWG SJTW
Maximum run	40W Max per socket & interconnectable up to 1440W

Specifications: LS2 Series Sets

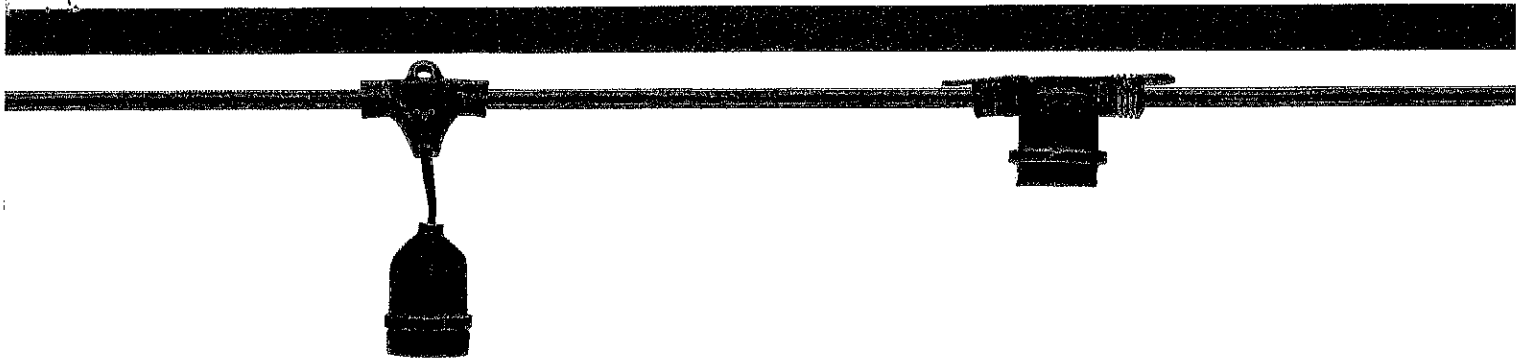
Input voltage	120V AC, 60Hz
Wire	14AWG SJTW
Maximum run	25W Max per socket & interconnectable up to 1200W

Specifications: LS SERIES Kits & Reels

Input voltage	120V AC, 60Hz
Wire	14AWG STJW (LS-M, LS-MS) 16AWG SPT-2 (LS-I, LS-C)
Maximum run	25W max per socket (LS-M, LS-MS) 10W max per socket (LS-I, LS-C) not interconnectable; See individual product for max wattage per string



End Caps
Black plastic end cap for 14AWG SJTW
Pavillon Light String
LS-M/MS-END (Black)



ETL LISTED E26 KITS



PART NUMBER	WIRE
48ft Kit • E26 Suspended Sockets • 24" Spacing • 1440W Max	
ETLS-MS-24-48-BK	BLACK 3-WIRE
ETLS-MS-24-48-WH	WHITE

LS2 ETL LISTED E26 KITS



PART NUMBER	WIRE
48ft Kit • E26 Base Sockets • 24" Spacing • 1200W Max	
LS2-M-24-48-BK	BLACK 2-WIRE

E26 MEDIUM CORD & PLUG SETS



PART NUMBER	WIRE
100ft Kit • E26 Suspended Sockets • 24" Spacing • 1250W Max	
LS-MS-24-100-BK	BLACK
LS-MS-24-100-WH	WHITE
48ft Kit • E26 Suspended Sockets • 24" Spacing • 600W Max	
LS-MS-24-48-BK	BLACK
LS-MS-24-48-GR	GREEN
LS-MS-24-48-WH	WHITE
100ft Kit • E26 Base Sockets • 24" Spacing • 1250W Max	
LS-M-24-100-BK	BLACK
48ft Kit • E26 Base Sockets • 24" Spacing • 600W Max	
LS-M-24-48-GR	GREEN

E26 MEDIUM BULK REELS



PART NUMBER	WIRE
330ft Reel • E26 Suspended Sockets • 24" Spacing • 1800W Max	
LS-MS-24-BK	BLACK
LS-MS-24-GR	GREEN
LS-MS-24-WH	WHITE
330ft Reel • E26 Base Sockets • 24" Spacing • 1800W Max	
LS-M-24-BK	BLACK
LS-M-24-GR	GREEN



E17 INTERMEDIATE BULK REELS



PART NUMBER	WIRE
330ft Reel • E17 Base Sockets • 15" Spacing • 1200W Max	
LS-I-15-BK	BLACK
LS-I-15-GR	GREEN
LS-I-15-WH	WHITE

E12 CANDELABRA BULK REELS



PART NUMBER	WIRE
330ft Reel • E12 Base Sockets • 12" Spacing • 1200W Max	
LS-C-12-BK	BLACK
LS-C-12-GR	GREEN
LS-C-12-WH	WHITE

E17 & E12 ACCESSORIES

Slide-on, two prong plugs for SPT-2 wire (Bag of 25 only)

M-PLUG-BK-SPT2-B	BLACK
M-PLUG-WH-SPT2-B	WHITE

