



TERRAIN SITE LIGHTING

PROJECT DATE

COMMENTS



15W, 30W



50W, 70W

ELECTRICAL

Wattage	15W, 30W, 50W, 70W, 100W, 120W, 150W
Voltage	120-277V
Power Factor	>0.98 at full load (15W-30W: >0.9 at full load)
Dimmable	0-10V (Available only for 50W-150W options)
Surge Protector	Integral 2.5kV surge suppression protection (Standard), 10kV (Optional), Tested According to IEEE/ANSI C62.41.2

WPAR WALL PACK ARCHITECTURAL LED

The WPAR series is an architectural high-performance, high-efficacy LED wall pack that is DLC Certified and Wet Location listed. WPAR is certified for 3G vibration and the aluminum housing is finished with a 3-mil resilient powder coat that is resistant to corrosion, UV degradation, abrasion and salt fog environments. It is ideal for replacing 175-1000W metal halide with typical energy savings of 75% and exceptional rated life of 100,000 hours or more. Two integral emergency batteries are available for certain wattages and WPAR can be ordered with a daylight sensor.

- Parking Lots
- Underpasses
- Perimeter / Area Lighting

PHYSICAL

Material	Die-Cast Aluminum
Mounting	Wall Mounted
Lens	Precision Molded Acrylic
Finish	Bronze, Black, White, Gray Ultra-durable powder coat finish endurance tested to withstand 3,000 hours of elevated ambient salt fog conditions. Provides resistance to corrosion, UV degradation, and abrasion.

PERFORMANCE

Warranty	5 years
Certifications	ANSI C136.31-2001 (3G Vibration), ASTM Standard B 117 (Salt Fog) 15W-70W: Wet Location, cETLus, DLC, FCC, RoHS Compliant 100W-150W: Wet Location, UL, FCC, RoHS Compliant
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
CCT	3000K, 4000K, 5000K
CRI	70+
Delivered Lumens	2003-18750 (refer to page 3)
THD	< 12% at full load

ORDERING LOGIC

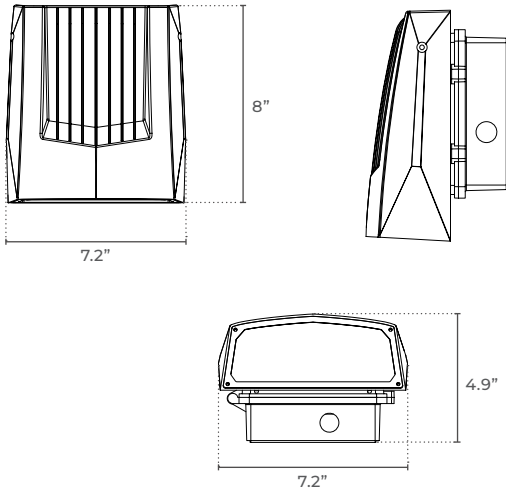
EX: WPAR-15-30-BZ

FAMILY	WATTAGE	CCT	FINISH	OPTIONS
WPAR				
	15 15W	30 3000K	BZ Bronze	DS Daylight Sensor
	30 30W	40 4000K	BK Black	EM4 4W Internal Emergency Battery <small>AVAILABLE ONLY WITH 50W AND 70W OPTIONS</small>
	50 50W	50 5000K	WH White	EM15 15W Internal Emergency Battery <small>AVAILABLE ONLY WITH 100W OPTION</small>
	70 70W		GR Gray	10KV 10kV Surge Suppression
	100 100W			
	120 120W			
	150 150W			

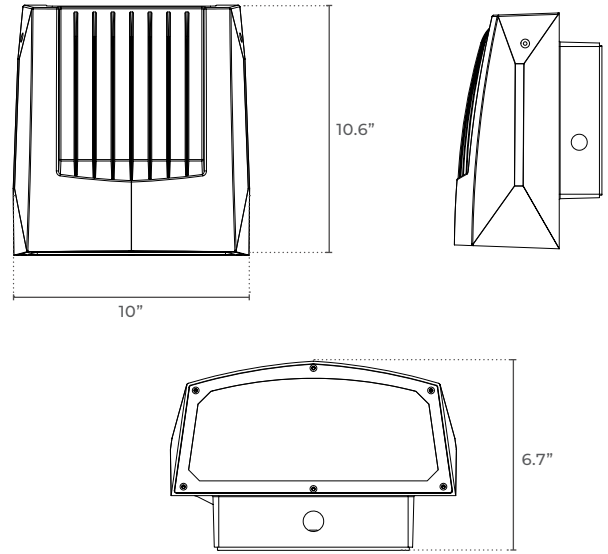


DIMENSIONS

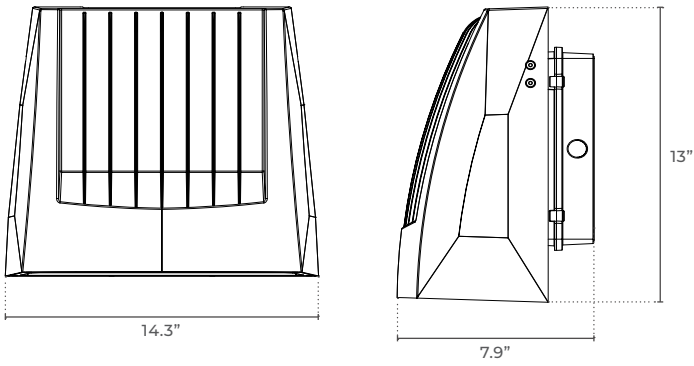
15W, 30W



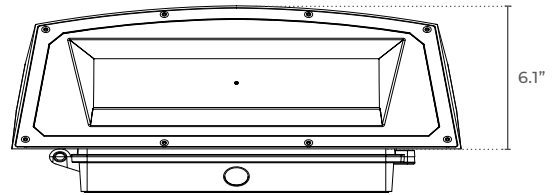
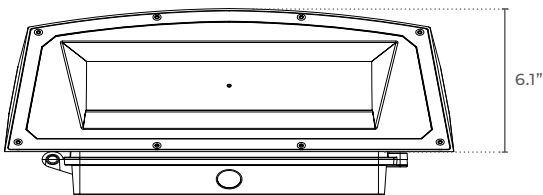
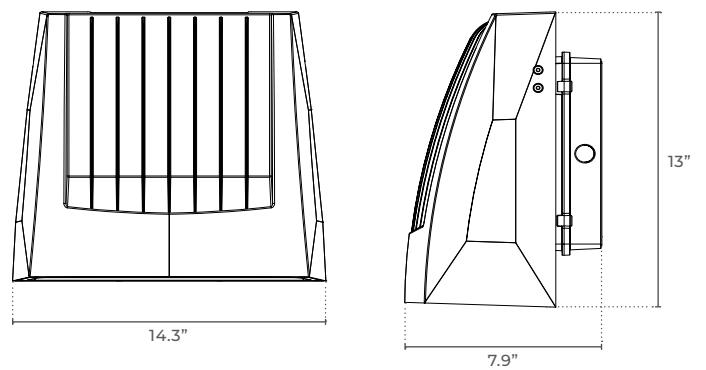
50W, 70W



100W



120W, 150W



PERFORMANCE DATA

Delivered lumen output values are from photometric tests performed in accordance with IESNA LM-79-08. Performance data is considered to be representative of the models shown within the tolerances allowed by Lighting Facts. Actual performance may vary as a result of the final installed ambient environment and application. Actual wattage may vary +/- 10% when operating between 120-277VAC.

MODEL	LEDS	RATED WATTS	30K (3000K, 70CRI)		40K (4000K, 70CRI)		50K (5000K, 70CRI)	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
WPAR-15	28	15W	2003	134	2024	135	2044	136
WPAR-30	49	30W	3845	128	3960	132	4008	134
WPAR-50	144	50W	6654	133	6725	134	6792	136
WPAR-70	192	70W	9016	129	9112	130	9222	132
WPAR-100	384	100W	12200	122	12400	124	12500	125
WPAR-120	448	120W	14640	122	14760	123	15000	125
WPAR-150	512	150W	18300	122	18450	123	18750	125

ELECTRICAL DATA

MODEL	LEDS	LED CURRENT	SYSTEM WATTS	CURRENT				
				120V	240V	277V	347V	480V
WPAR-15	28	0.09A	15W	0.13	0.07	0.06	-	-
WPAR-30	49	0.09A	30W	0.25	0.14	0.13	-	-
WPAR-50	144	0.05mA	50W	0.42	0.22	0.19	-	-
WPAR-70	192	0.05mA	70W	0.59	0.31	0.27	-	-
WPAR-100	384	79mA	100W	0.35	0.18	0.16	-	-
WPAR-120	448	101mA	120W	1	0.55	0.43	-	-
WPAR-150	512	88mA	150W	1.25	0.63	0.54	-	-

LUMINAIRE LUMEN MAINTENANCE FACTORS (LMF)

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below.

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below.

15W-70W

OPERATING HOURS	0	25000	50000	75000	100000
	LUMEN MAINTENANCE FACTOR	WPAR-15 28 LED 0.09A			
100%		96%	94%	92%	90%
WPAR-30 49 LED 0.09A					
100%		96%	93%	90%	87%
WPAR-50 144 LED 0.05A					
100%		96%	94%	92%	90%
WPAR-70 192 LED 0.05A					
100%	96%	93%	90%	87%	

100W-150W

OPERATING HOURS	0	25000	50000	75000	100000
	LUMEN MAINTENANCE FACTOR	WPAR-100 384 LED 0.079A			
100%		96%	92%	90%	86%
WPAR-120 448 LED 0.11A					
100%		96%	94%	92%	90%
WPAR-150 512 LED 0.088A					
100%		96%	93%	90%	87%

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

AMBIENT	LUMEN MULTIPLIER	
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99



EMERGENCY BATTERY SPECIFICATION

4W BATTERY SPECIFICATIONS

Output Power	4W
Emergency Time	1.5H
Universal input Voltage	100-277Vac, 50/60Hz
AC Input Current	100mA max.
AC Input Power Rating	5.0W max.
Output Current and Voltage	30-400mA 10-60Vdc
Full Warranty	5 years
Test Switch Indicator Light	Illuminated Test Switch, Indicator Light
Battery	Li-ion battery-3.7V/2500mAH
Battery Charging Current	250mA max.
Charging Time	≥24 Hours
Temperature Rating (Ambient)	Li-ion 0°C to 50°C (32°F to 120°F)
Dimensions	5.5" x 1.37" x 0.86" (140mm x 35mm x 22mm)

4W BATTERY OPERATION

AC Operation:

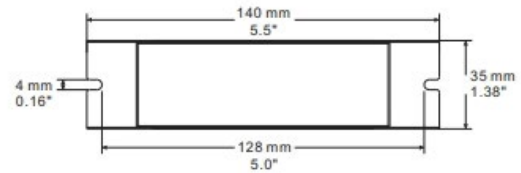
When AC power is present, the LED load from the LED driver is normal power supply. AC LED driver output current cannot exceed 50W or 1A. The emergency driver is charging in standby mode. The green LED light on to indicate that it's charging.

Emergency Operation:

When the AC power goes out, the emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED light off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED on.

4W BATTERY DIMENSIONS

Case: 5.5" x 1.37" x 0.86" (140mm x 35mm x 22mm)



15W BATTERY SPECIFICATIONS

Output Power	15W
Emergency Time	≥1.5H
Universal input Voltage	100-277Vac/347Vac, 50/60Hz
AC Input Current	100mA max.
AC Input Power Rating	7.0W max.
Output Current and Voltage	25-48VDC/50-230VDC
Full Warranty	5 years
Battery	Li-ion Li-FeP04
Battery Charging Current	250mA max.
Charging Time	≥24 Hours
Temperature Rating (Ambient)	Li-FeP04 0°C to 70°C (32°F to 104°F)

15W BATTERY OPERATION

AC Operation:

AC power is present, The LED load from the LED driver is normal power supply, AC LED driver output current can not exceed 150W or 4A, the emergency driver is charging in a standby mode, The green LED light on to indicate that it is charging.

Emergency Operation:

When the AC power goes out, The emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED light on.

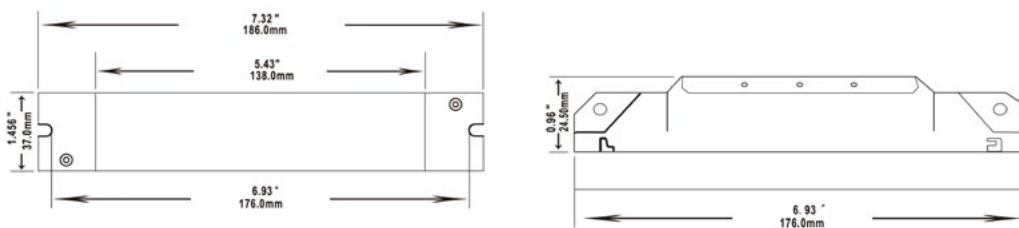
Indicator Light:

- AC Operation, indicator light will keep on
- Emergency Operation, indicator light flash slowly (light on for 1 seconds, light off for 1 seconds)
- In a failure, indicator light flash quickly (light on for 0.02 seconds, light off for 0.02 seconds)

Test Switch:

- In AC Operation, press test switch once, emergency for 20 seconds
- In AC Operation, press test switch twice in a succession within two seconds, emergency until battery is full discharged
- In the emergency operation, press test switch will turn off emergency status, and led lamp & indicator light of EM driver will go out at the same time

15W BATTERY DIMENSIONS



ADDITIONAL IMAGERY

15W, 30W



50W, 70W

