KB LIGHTING

WPLED100-M2-8XX

ARCHITECTURAL 100W FULL-CUTOFF LED WALL PACK

DESCRIPTION

Architectural 100W Full-Cutoff LED Wall Pack I 120–277V Input I 4000–5000K I Medium-Size Bronze Housing I Wide Optic Lens

APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

PRODUCT FEATURES

• Architectural full-cutoff design improves the appearance of building exteriors and optimizes functional light distribution
• Heavy-duty, die-cast aluminum housing features modern aesthetics while retaining (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
• Powered by 0–10V dimming LED drivers
• Dark Sky friendly performance, eliminates undesirable sky glow and glare
• Features one translucent 3/4" threaded plug with anti-yellowing agent for use with photocell accessory WPLED-PS-UV-KO
• Precision-crafted optical lens provides wide distribution pattern ideal for increased fixture spacing and uniformity
• Covers footprint of mid-size HID wallpacks
• Ambient operating temperature: –40ºC/–40ºF to 50ºC/122ºF
• UL listed for wet locations, IP65
• 0–10V dimming, 10% min
• Power Factor: >0.95
• THD: <20%
• LED chip lifetime: L70 >100,000 hrs @ 25ºC/77ºF ambient fixture temp
• Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
• Fixture impact rating IK08

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90º	Dimming	CCT	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
WPLED100-M2-840	100W	12500 lm	12410 lm	0–10V	4000K	125 lm/W	>80	Bronze	120–277V	50,000 hrs	400W MH
WPLED100-M2-850		13000 lm	12900 lm		5000K	130 lm/W					

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PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT

Cd: 390 (10%)
Cd: 625 (16%)
Cd: 976 (25%)
Cd: 1,562 (40%)
Cd: 2,460 (63%)
Cd: 3,904 (100%)
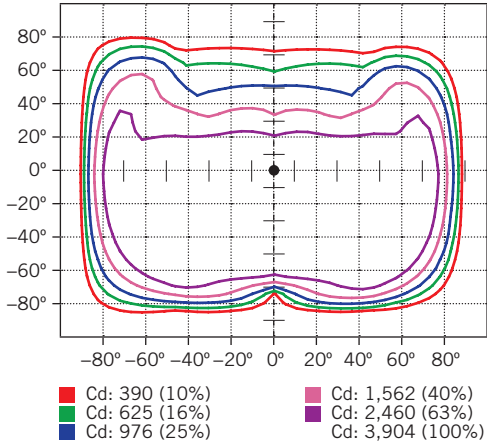
LUMINOUS INTENSITY DISTRIBUTION
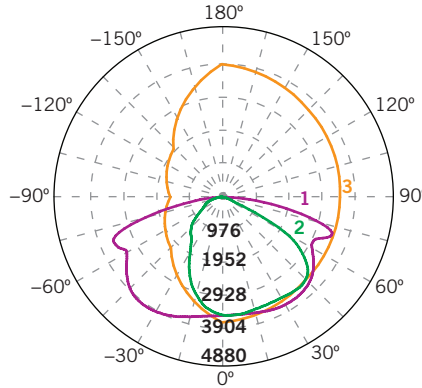
Average diffuse angle (50%): **124.7°**
1 **Violet** C0–C180
2 **Green** C90–C270
3 **Orange** G36
Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	8,446 lm	64.1%
0°–30°	1,534 lm	11.6%
30°–60°	4,104 lm	31.1%
60°–80°	2,553 lm	19.4%
80°–90°	255 lm	1.9%
Back Light	4,633 lm	35.1%
0°–30°	1,263 lm	9.6%
30°–60°	2,156 lm	16.4%
60°–80°	1,094 lm	8.3%
80°–90°	119 lm	0.9%
Up Light	102 lm	0.8%
90°–100°	13 lm	0.1%
100°–180°	89 lm	0.7%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B3 U5 G3
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B3 U5 G2

* **B**acklight, **U**plight, **G**lare

MOUNTING
Side view

20'
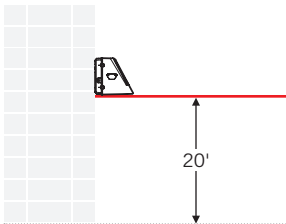
LIGHT DISTRIBUTION PATTERN
Isometric view from above; Luminaire mounted at 20'

0.1 fc
0.2 fc
0.5 fc
1.0 fc
2.0 fc
5.0 fc
10.0 fc
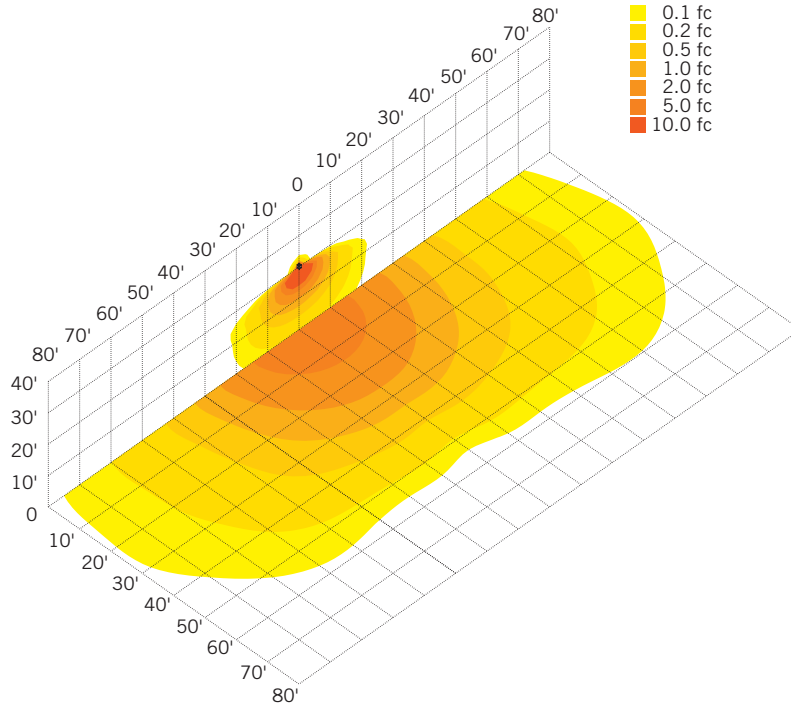
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PHYSICAL SPECIFICATIONS

14.36"

9.71"

9.30"

14.36"

9.71"
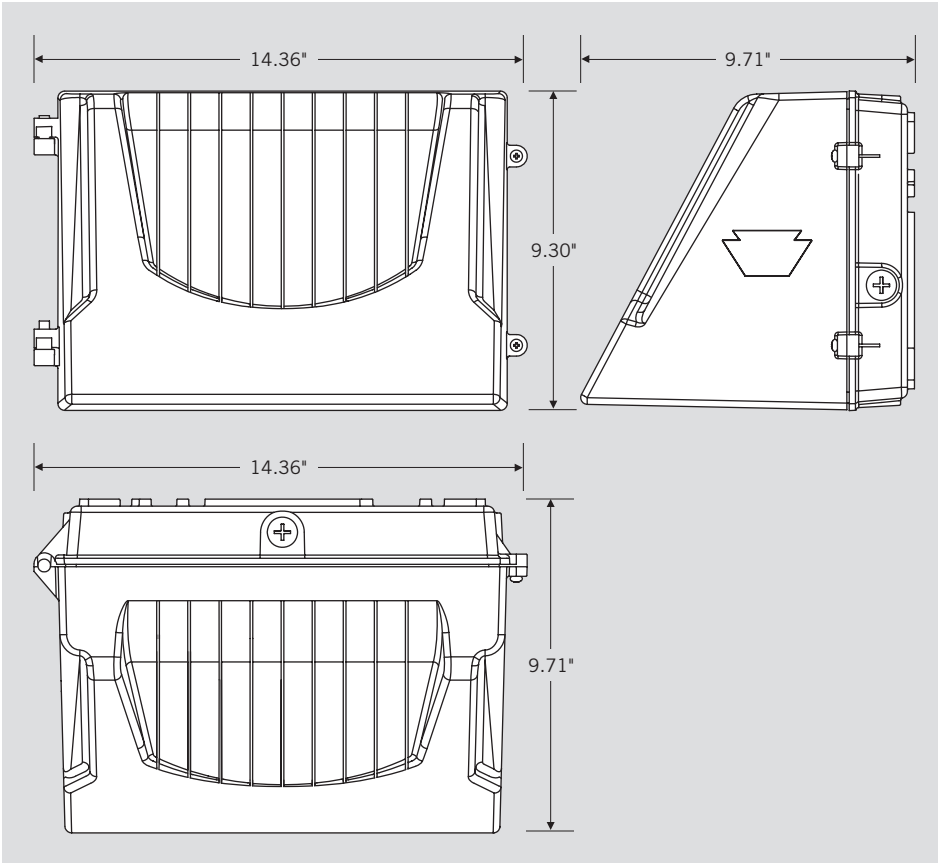
GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM

120–277V Input

Black (Line)

White (Neutral)

Green (Ground)

LED Driver

Purple (Dim+)

Gray (Dim–)

Dimming wires to 0–10V
IEC-compliant control

Red (+)

Black (–)

Pre-wired leads
to LED load

DC Output
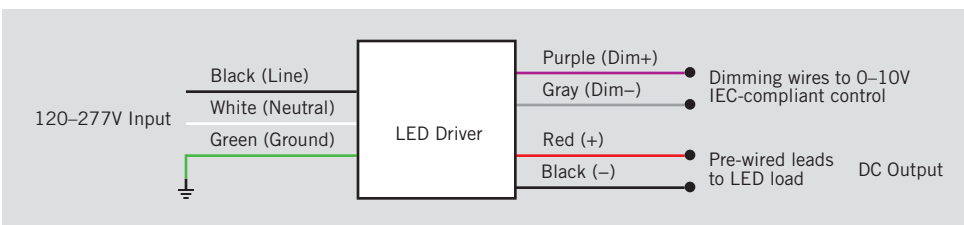
Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.