![KB Lighting logo]

WPLED40-M2-8XX
ARCHITECTURAL 40W FULL-CUTOFF LED WALL PACK

DESCRIPTION

Architectural 40W 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
• Compatible with Keystone LED Emergency Backups

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90º	Dimming	CCT	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
WPLED40-M2-840	40W	5000 lm	4965 lm	0–10V	4000K	125 lm/W	>80	Bronze	120–277V	50,000 hrs	175W MH
WPLED40-M2-850		5200 lm	5160 lm		5000K	130 lm/W					

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PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT

Cd: 156 (10%)
Cd: 250 (16%)
Cd: 390 (25%)
Cd: 624 (40%)
Cd: 983 (63%)
Cd: 1,560 (100%)
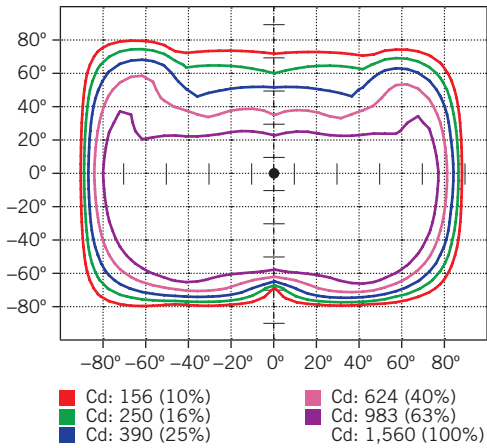
LUMINOUS INTENSITY DISTRIBUTION
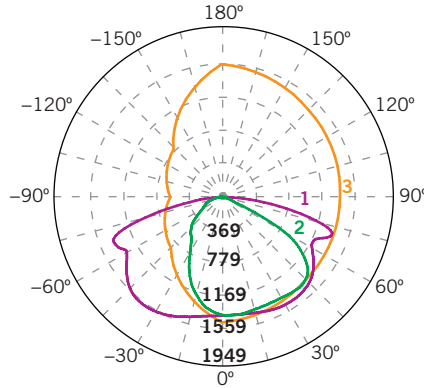
Average diffuse angle (50%): **125.1°**
1 **Violet** C0–C180
2 **Green** C90–C270
3 **Orange** G36
Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	3,171 lm	62.0%
0°–30°	596 lm	11.6%
30°–60°	1,594 lm	31.2%
60°–80°	912 lm	17.8%
80°–90°	70 lm	1.4%
Back Light	1,905 lm	37.2%
0°–30°	514 lm	10.1%
30°–60°	876 lm	17.1%
60°–80°	460 lm	9.0%
80°–90°	54 lm	1.1%
Up Light	39 lm	0.8%
90°–100°	3 lm	0.1%
100°–180°	36 lm	0.7%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B2 U2 G1
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B2 U2 G1

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

MOUNTING
Side view

15'
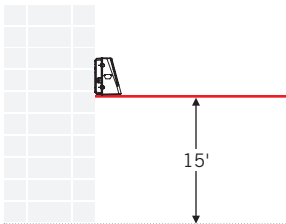
LIGHT DISTRIBUTION PATTERN
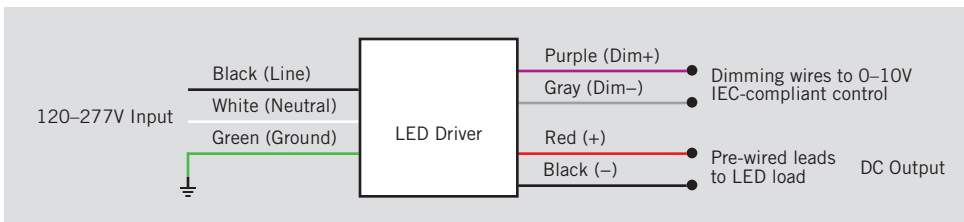Isometric view from above; Luminaire mounted at 15'

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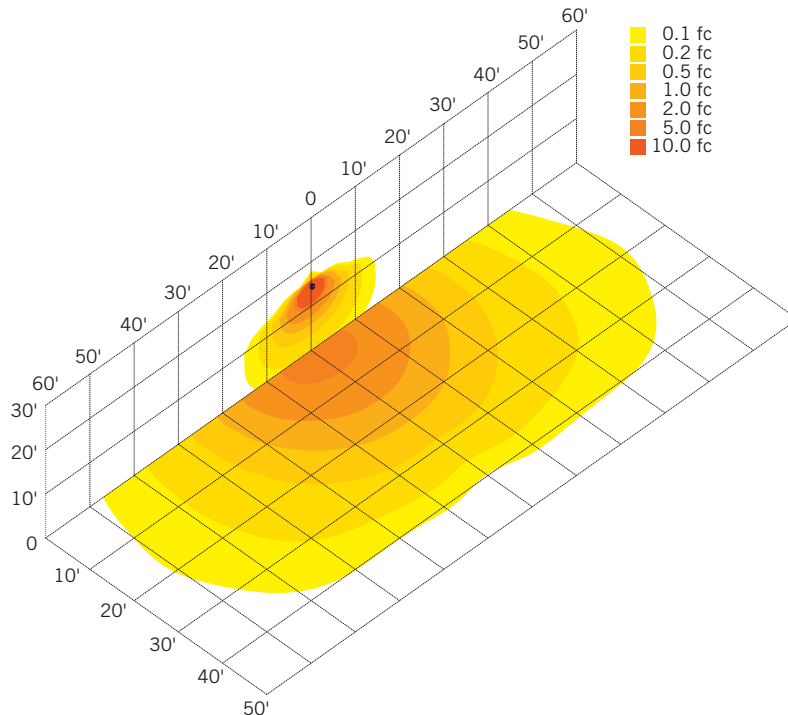
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PHYSICAL SPECIFICATIONS

14.36" 6.63" 9.29" 14.36" 6.63"
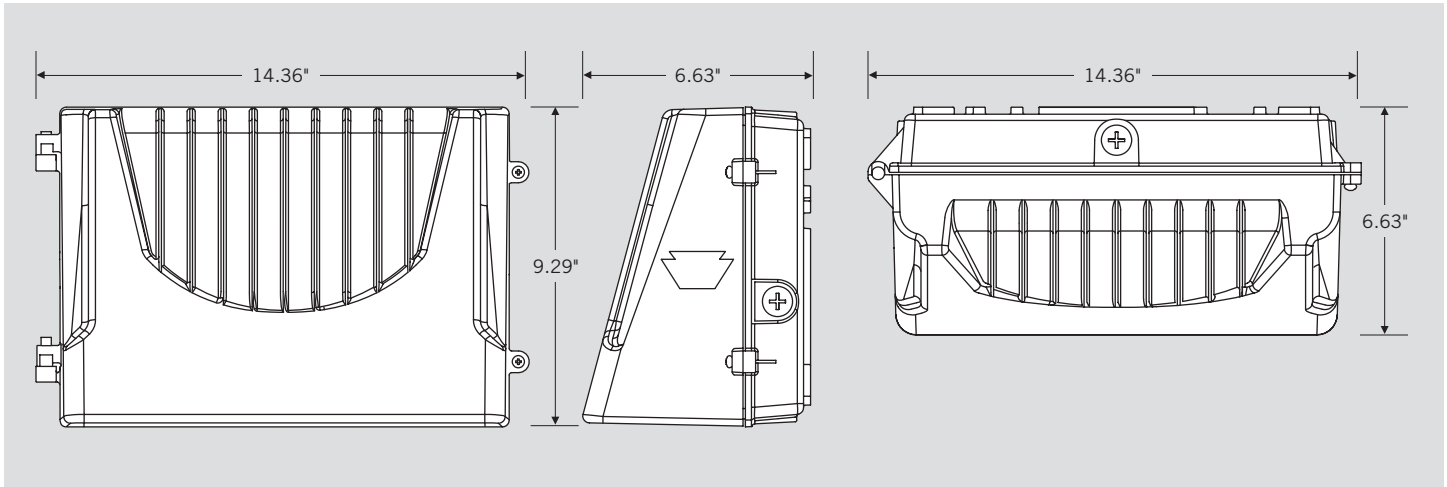
GENERAL SETUP INSTRUCTIONS

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.

ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Description
SP-10KV-C	Wallpack 10kV Surge Protector, Compact Design
WPLED-PS-UV-KO	Wall Pack Button Photocell

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ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	
WPLED40-M2-840	1	EXI-18	
WPLED40-M2-850	1	GEK-93	

CATALOG NUMBER BREAKDOWN

WPLED40-M2-8XX-VDIM
2   3   4   5 6   7 8   9

- **2 Fixture Type**
- **3 LED Lamp**
- **4 Max Wattage**
- **5 Size**
- **6 Style**
- **7 CRI**
- **8 Color**
- **9 Dimming**

- **10 Additional Options**

2 Fixture Type

F	Flood
WP	Wallpack

5 Size

S	Small
M	Medium
L	Large

6 Style

1	Non-Cutoff
2	Full-Cutoff

7 CRI

8	>80
9	>90

8 Color

40	4000K
50	5000K

9 Dimming

VDIM	0–10V

10 Additional Options

	No option
/MW	Microwave occupancy Sensor Installed
/EMRG-12	12W Emergency Battery Backup Installed