KEYSTONE
SINCE 1945
LIGHT MADE EASY

XFIT

KT-WPLED100-M2-8XX-VDIM
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)

c UL us LISTED   DLC PREMIUM   5 YEAR WARRANTY
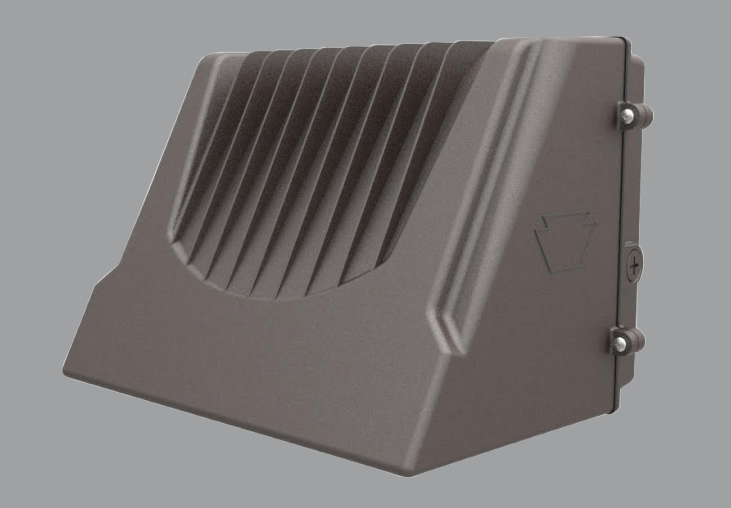
PRODUCT FEATURES
- Architectural full-cutoff design improves the appearance of building exteriors and optimizes functional light distribution
- Heavy-duty, die-cast aluminum housing features modern aesthetics while retaining (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 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 KT-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: −20ºC/−4ºF to 45ºC/113ºF
- 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

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90º	Dimming	CCT	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED100-M2-840-VDIM	100W	12500 lm	12410 lm	0–10V	4000K	125 lm/W	>80	Bronze	120–277V	50,000 hrs	400W MH
KT-WPLED100-M2-850-VDIM		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%)
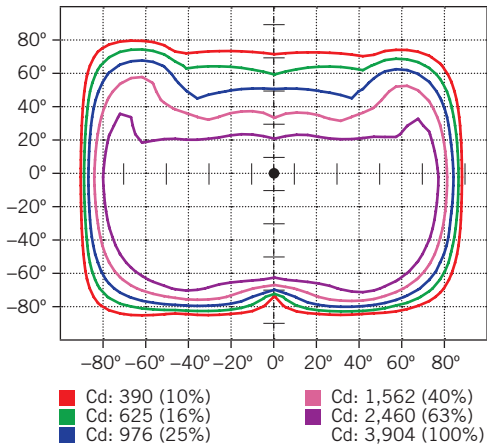
LUMINOUS INTENSITY DISTRIBUTION
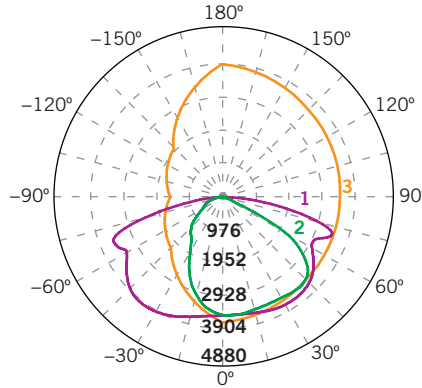
Average diffuse angle (50%): **124.7°**
1 Violet C0–C180
2 Green C90–C270
3 Orange G36
Unit: cd

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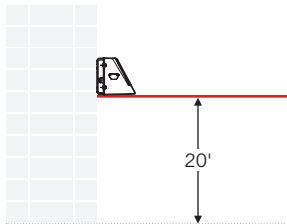
LIGHT DISTRIBUTION PATTERN
Isometric view from above; Luminaire mounted at 20'

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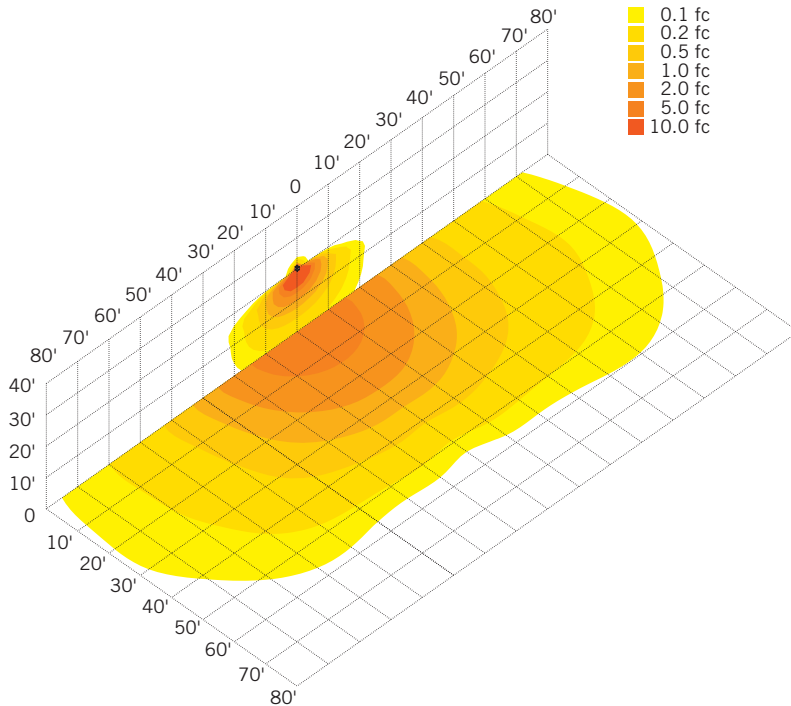
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PHYSICAL SPECIFICATIONS

14.36"   9.71"   9.30"   14.36"   9.71"
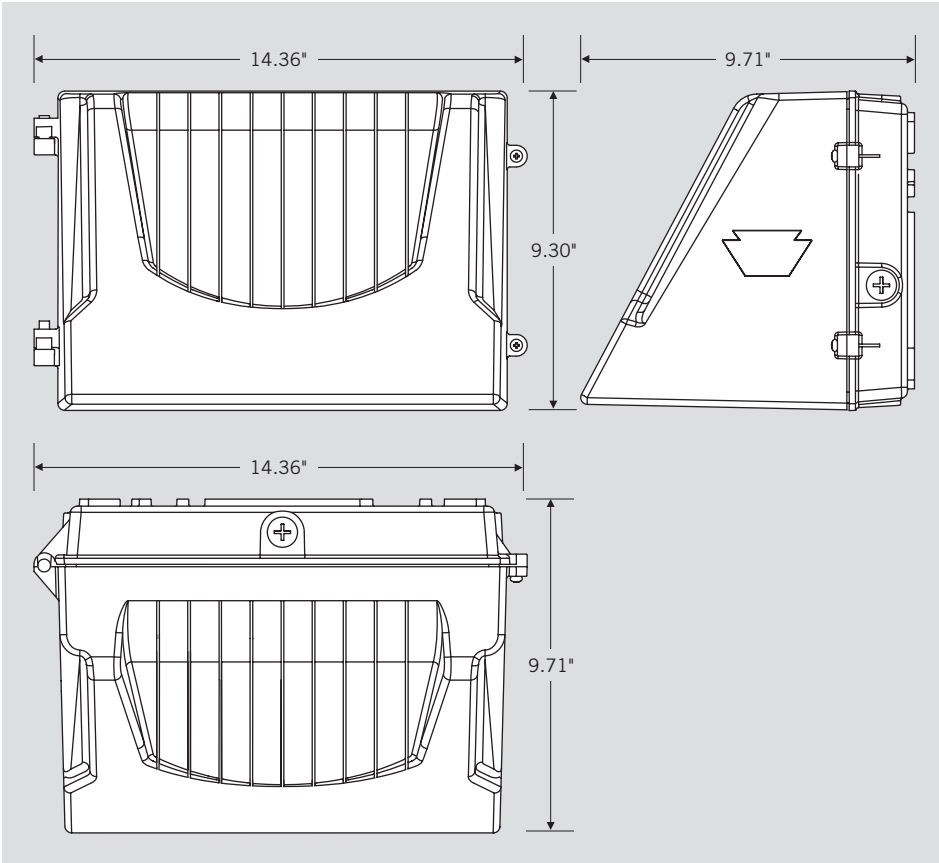
GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM

120–277V Input

Black (Line)
White (Neutral)
Green (Ground)

KEYSTONE
LED Driver

Purple (Dim+)
Gray (Dim–)
Dimming wires to 0–10V
IEC-compliant control

Red (+)
Black (–)
Pre-wired leads
to LED load
DC Output
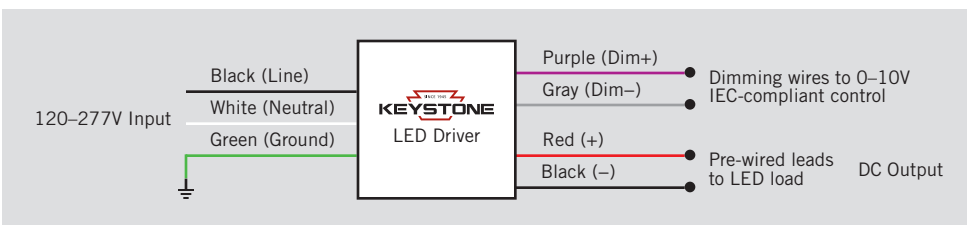
Caution: Before installing, make certain that AC power to the fixture is off.

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

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ACCESSORIES (SOLD SEPARATELY)

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

ORDERING INFORMATION

ORDER CODE	PACK QTY.	ITEM STATUS
KT-WPLED100-M2-840-VDIM	1	Quick Ship
KT-WPLED100-M2-850-VDIM	1	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-WPLED100-M2-8XX-VDIM
1   2   3   4   5 6 7 8   9

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

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