



KT-WPLED100-M2-8XX-VDIM

ARCHITECTURAL FULL-CUTOFF LED WALL PACK

DESCRIPTION

Architectural 100W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium Housing | Bronze Finish | 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 that improves building appearance and optimizes functional light distribution
- Heavy duty die cast aluminum housing with (5) 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 that 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, sold separately
- Precision-crafted optical lens that provides wide distribution pattern ideal for increased fixture spacing and uniformity
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: –40°C/–40°F to 50°C/122°F
- UL Certified for wet locations; IP65 rated
- Fixture impact rating IK08
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

PRODUCT SPECIFICATIONS

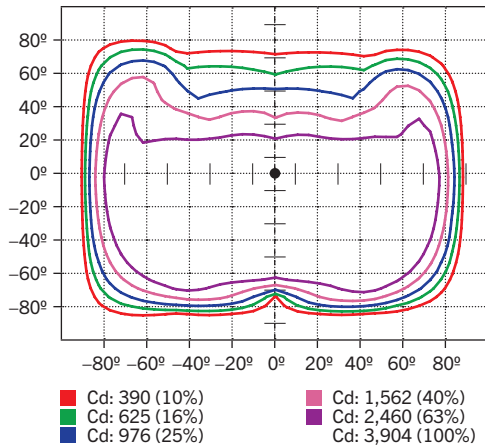
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	CCT	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED100-M2-840-VDIM	100W	12500	12410	0–10V	4000K	125 lm/W	>80	Bronze	120–277V	50,000 hrs	400W MH
KT-WPLED100-M2-850-VDIM		13000	12900		5000K	130 lm/W					

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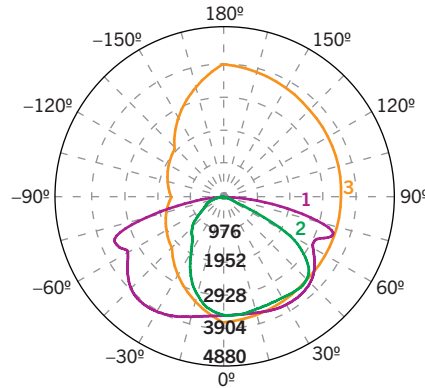
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PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



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 Luminaire Types

Type I, II, III, IV B3 U5 G3

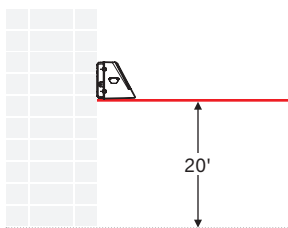
Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B3 U5 G2

* Backlight, Uplight, Glare

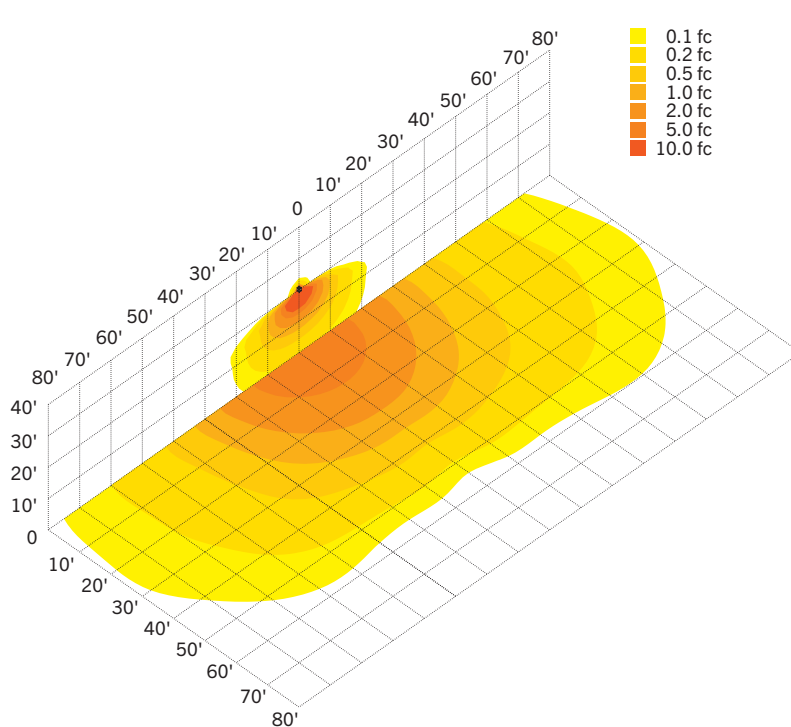
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

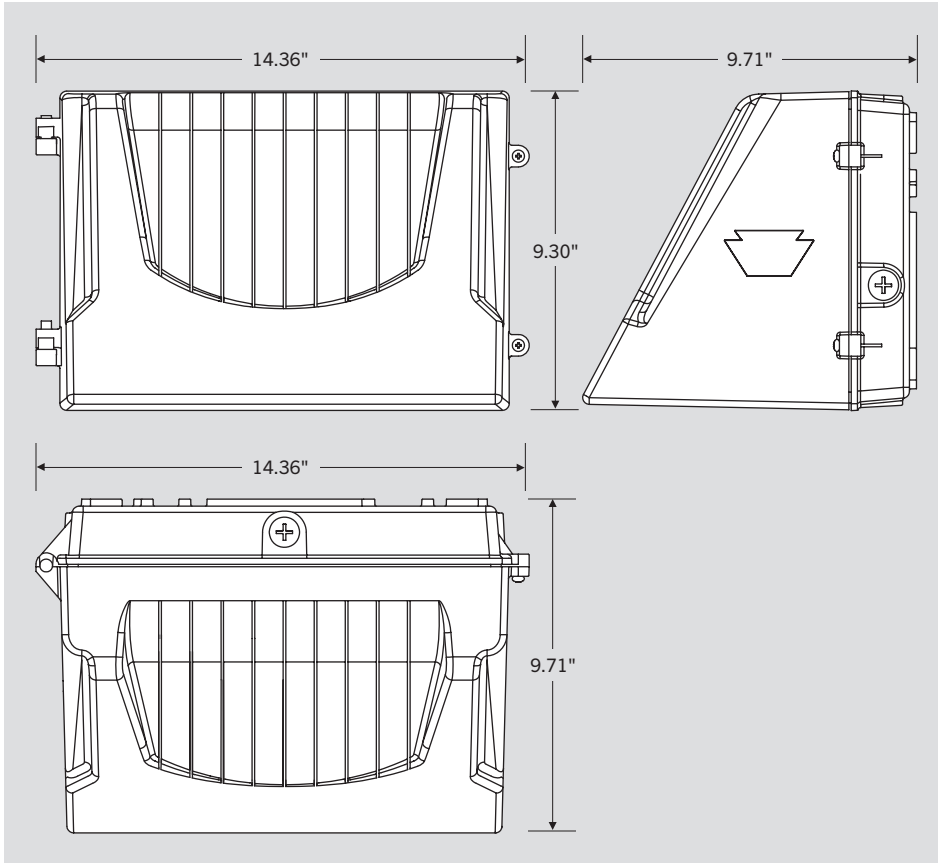
Isometric view from above; Luminaire mounted at 20'



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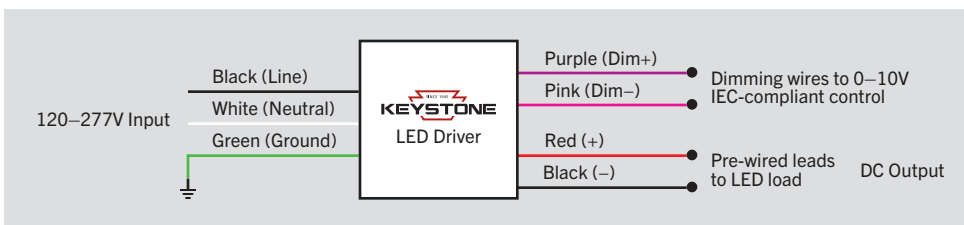
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PHYSICAL SPECIFICATIONS



GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



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

SENSORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/MW3	KTS-MW3-UV-KO-K1	Microwave Sensor Kit, Includes 120-277V input to 12V DC convertor & 12V input sensor head, IP65. Bi-Level Control with Adjustable Hold Time, Dim Level and Standby Time. Installs via standard 1/2in KO	843654134147	BKG-51
	/PS	KT-WPLED-PS-UV-KO	Dawn to Dusk Photocell for WallPack fixtures. Fits M1, M2, L1 housings. 120-277V Input. Install via standard 1/2in KO	843654129198	DLU-58



Microwave Sensor Kit
KTS-MW3-UV-KO-K1



Dawn to Dusk Photocell
KT-WPLED-PS-UV-KO

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

CORD SETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/515P6	KT-CS-515P-6-18/3	Cord set for high bay; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire	843654140124	UKH-26
	/L515P6	KT-CS-L515P-6-16/3	Cord set for high bays; 250V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140186	POC-82



Cord Sets

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
Note: For cord sets not listed here, please contact your Keystone sales rep.

MOUNTS AND BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	-	KT-WPLED-BP-M	Back Plate for Medium Size Wallpacks, Covers Legacy Style Large HID Housing Dimensions. Standard Bronze Color.	843654130613	CCJ-21



Back Plate
KT-WPLED-BP-M

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
Note: This is needed with EM - will be added when factory installing EM

(Accessories continued on next page)



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ACCESSORIES (continued)

SURGE PROTECTORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/10KV	KTSP-10KV-C	External Surge Protector, compact design. Parallel Wiring, 120-277V Input, Max Peak Protection (10KV, 10KA)	843654129204	BUU-26



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).



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ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED100-M2-840-VDIM	1	VMR-18	843654129075
KT-WPLED100-M2-850-VDIM	1	OYW-93	843654129082

CATALOG NUMBER BREAKDOWN

KT-WPLED100-M2-8XX-VDIM

1	2	3	4	5	6	7	8	9	10
1 Keystone Technologies	2 Fixture Type	3 LED Lamp	4 Max Wattage	5 Size	6 Style	7 CRI	8 CCT	9 Dimming	10 Additional Options
	WP Wallpack			M Medium	2 Full-Cutoff	8 >80			
	8 CCT			VDIM 0-10V					
	40 4000K								
	50 5000K								

ORDERING EXAMPLES

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

KT-WPLED100-M2-8XX-VDIM /MW3/515P6

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-WPLED100-M2-8XX-VDIM /MW3

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-WPLED100-M2-8XX-VDIM

KEYSTONE FIXTURE

CATALOG NUMBER
KT-WPLED100-M2-8XX-VDIM

SENSORS

✓ SUFFIX	CATALOG NUMBER
✓ /MW3	KTS-MW3-UV-KO-K1

CORD SETS

✓ SUFFIX	CATALOG NUMBER
✓ /515P6	KT-CS-515P-6-18/3

* When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.

Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.