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: −40ºC/−40ºF to 50ºC/122ºF
- UL Certified for wet locations; IP65 rated
- Fixture impact rating IK08
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25ºC/77ºF ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
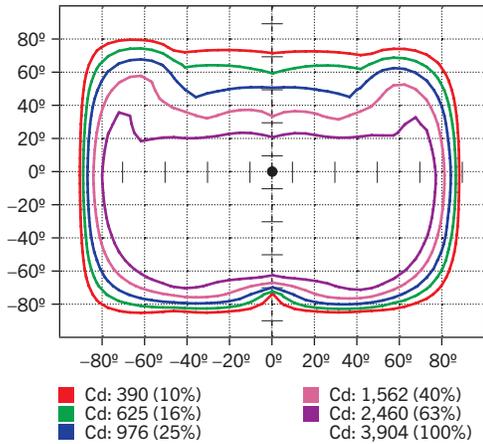
PRODUCT SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90º	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					

KT-WPLED100-M2-8XX-VDIM
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

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

976
1952
2928
3904
4880

Average diffuse angle (50%): **124.7º**
1 Violet C0 − C180
2 Green C90 − C270
3 Orange G36
Unit: cd
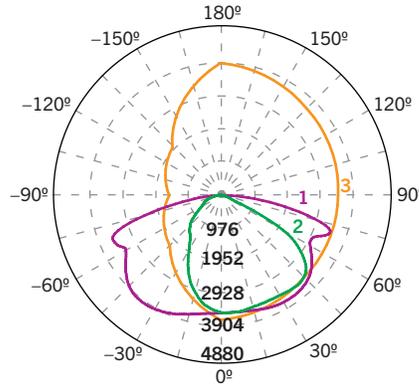
FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	8,446 lm	64.1%
0º−30º	1,534 lm	11.6%
30º−60º	4,104 lm	31.1%
60º−80º	2,553 lm	19.4%
80º−90º	255 lm	1.9%
Back Light	4,633 lm	35.1%
0º−30º	1,263 lm	9.6%
30º−60º	2,156 lm	16.4%
60º−80º	1,094 lm	8.3%
80º−90º	119 lm	0.9%
Up Light	102 lm	0.8%
90º−100º	13 lm	0.1%
100º−180º	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'
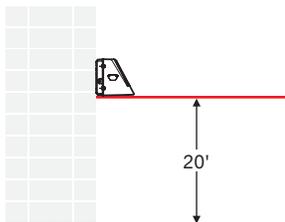
LIGHT DISTRIBUTION PATTERN
Isometric view from above; Luminaire mounted at 20'

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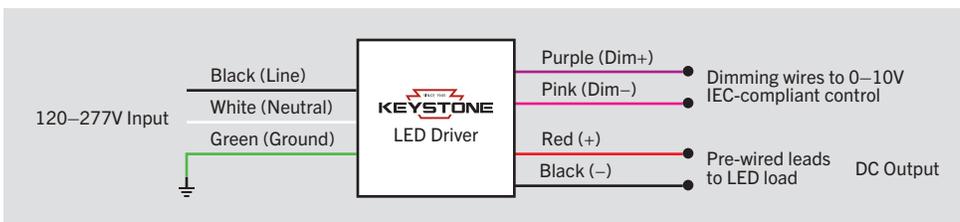2.0 fc
5.0 fc
10.0 fc

KEYSTONE | XFIT
LIGHT MADE EASY
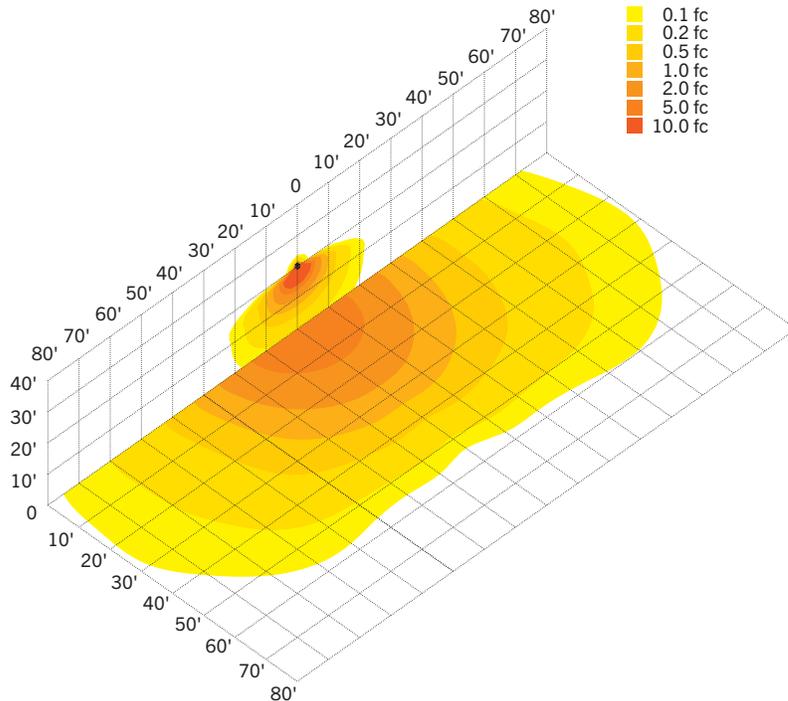
KT-WPLED100-M2-8XX-VDIM
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

PHYSICAL SPECIFICATIONS
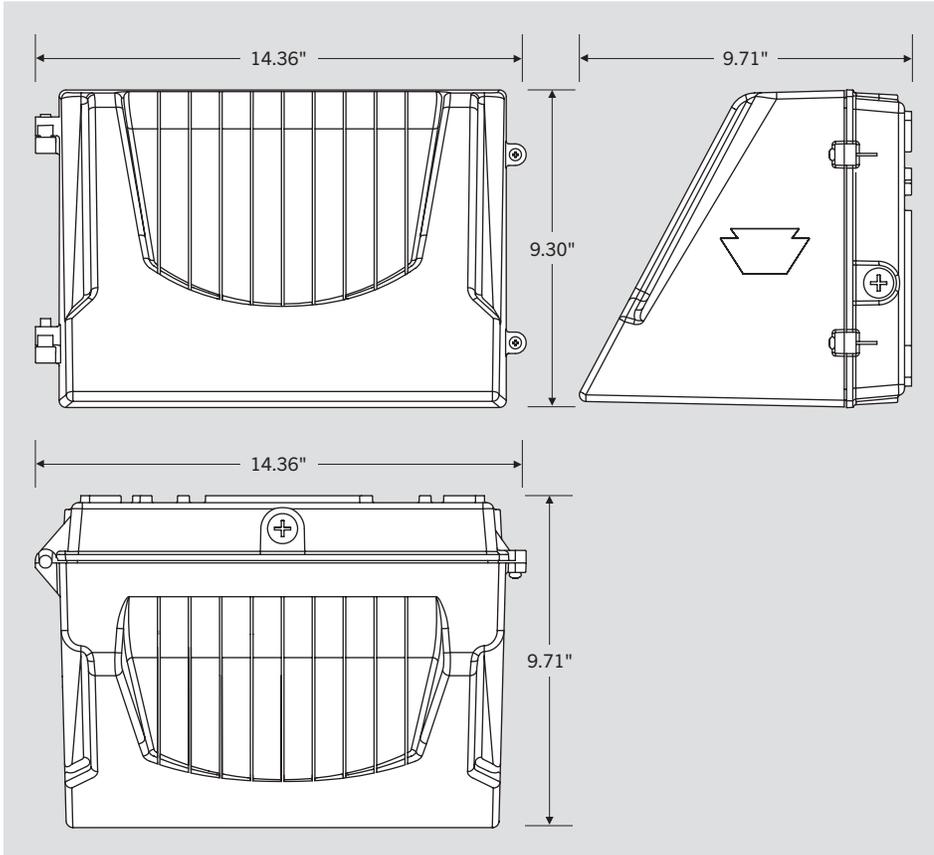
GENERAL SETUP INSTRUCTIONS

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.

KT-WPLED100-M2-8XX-VDIM
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

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
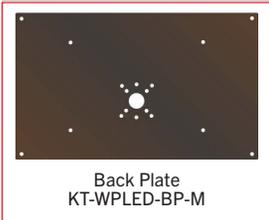
Back Plate
KT-WPLED-BP-M

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

KT-WPLED100-M2-8XX-VDIM
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

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

External Surge Protector
KTSP-10KV-C

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

KEYSTONE | **XFIT**
SINCE 1945
LIGHT MADE EASY

KT-WPLED100-M2-8XX-VDIM
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-WPLED100-M2-840-VDIM	1	843654129075	VMR-18	PTXBVVYH
KT-WPLED100-M2-850-VDIM	1	843654129082	OYW-93	PSRAUX5Y

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

2 Fixture Type

WP	Wallpack

5 Size

M	Medium

6 Style

2	Full-Cutoff

7 CRI

8	>80

8 CCT

40	4000K
50	5000K

9 Dimming

VDIM	0–10V

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.