KT-WPLEDXX-M2-8XX-VDIM

ARCHITECTURAL FULL CUTOFF LED WALL PACK

DESCRIPTION

Architectural Full Cutoff LED Wall Pack | 120–277V Input | 4000K & 5000K | Medium Housing | Bronze Finish | Wide Optic Lens





APPLICATION

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

UL CERTIFIED | DLC LISTED | TRUSTED WARRANTY

10 YEAR LIMITED WARRANTY

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
- Features (1) translucent 3/4" threaded plug with anti-yellowing agent for use with photocell accessory KT-WPLED-PS-UV-KO, sold separately
- Precision-crafted polycarbonate optics 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
- Compatible with Keystone LED Emergency Backups. See *Accessories* page for more details

PRODUCT IMAGES



KT-WPLED40-M2-8XX-VDIM
KT-WPLED60-M2-8XX-VDIM



KT-WPLED100-M2-8XX-VDIM

PRODUCT SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90°	CCT	Efficacy	Input Voltage	Dimming	CRI	Housing Color	Rated Life	Legacy Equivalent
KT-WPLED40-M2-840-VDIM	40W	5000	4965	4000K	125 lm/W	120–277V	0–10V	> 80	Bronze	50,000 hrs	175W MH
KT-WPLED40-M2-850-VDIM		5200	5160	5000K	130 lm/W						
KT-WPLED60-M2-840-VDIM	60W	7500	7445	4000K	125 lm/W	120–277V	0–10V	> 80	Bronze	50,000 hrs	250W MH
KT-WPLED60-M2-850-VDIM		7800	7745	5000K	130 lm/W						
KT-WPLED100-M2-840-VDIM	100W	12500	12410	4000K	125 lm/W	120–277V	0–10V	> 80	Bronze	50,000 hrs	400W MH
KT-WPLED100-M2-850-VDIM		13000	12900	5000K	130 lm/W						

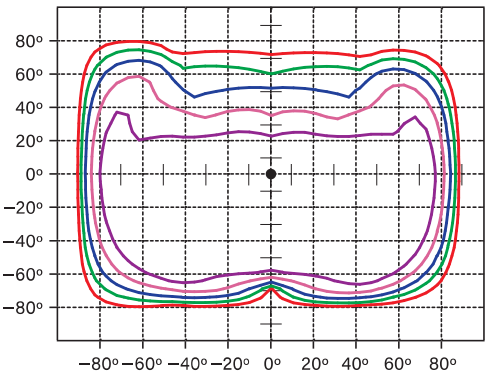
KT-WPLEDXX-M2-8XX-VDIM

ARCHITECTURAL FULL CUTOFF LED WALL PACK

PHOTOMETRIC SPECIFICATIONS

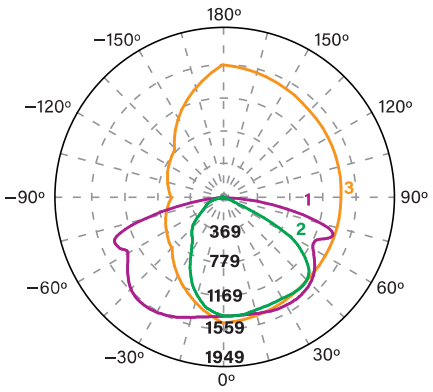
KT-WPLED40-M2-8XX-VDIM

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

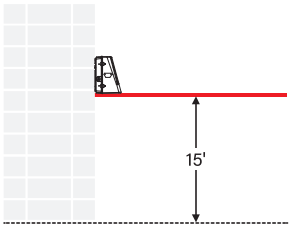
Zone	Lumens	% Luminaire
Forward Light	3,171 lm	62.0%
0°–30°	600 lm	12.1%
30°–60°	1,562 lm	31.5%
60°–80°	878 lm	17.7%
80°–90°	98 lm	2.0%
Back Light	1,905 lm	37.2%
0°–30°	530 lm	10.7%
30°–60°	907 lm	18.3%
60°–80°	341 lm	6.9%
80°–90°	35 lm	0.7%
Up Light	39 lm	0.8%
90°–100°	2 lm	0.0%
100°–180°	13 lm	0.3%

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*

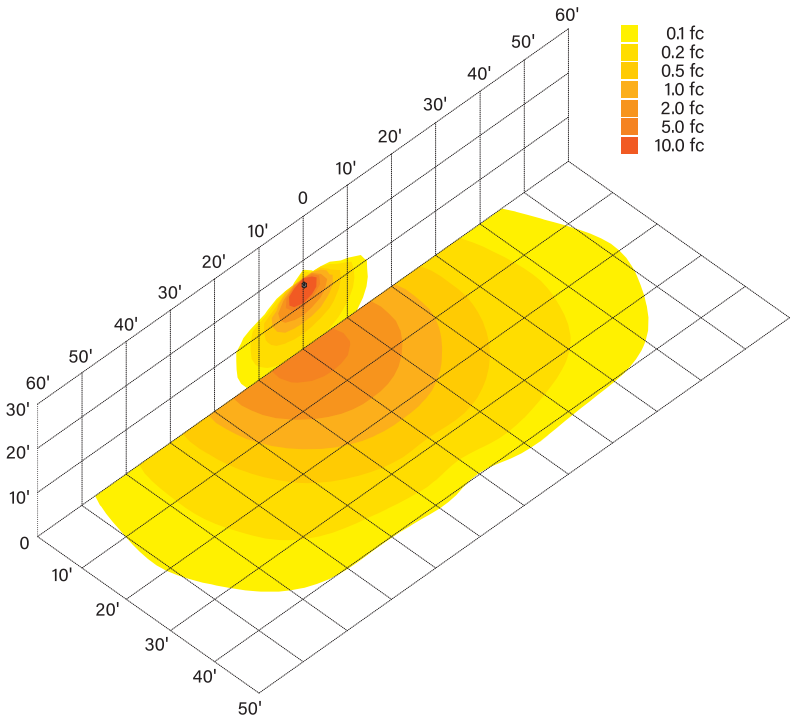
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

Isometric view from above



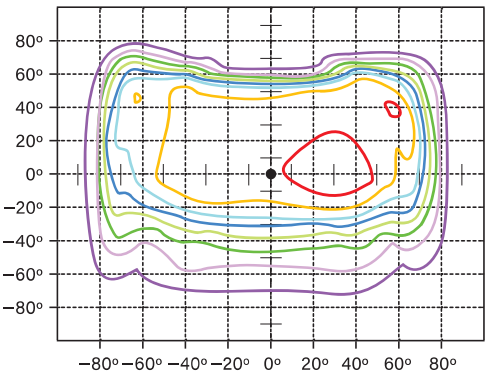
KT-WPLEDXX-M2-8XX-VDIM

ARCHITECTURAL FULL CUTOFF LED WALL PACK

PHOTOMETRIC SPECIFICATIONS (CONTINUED)

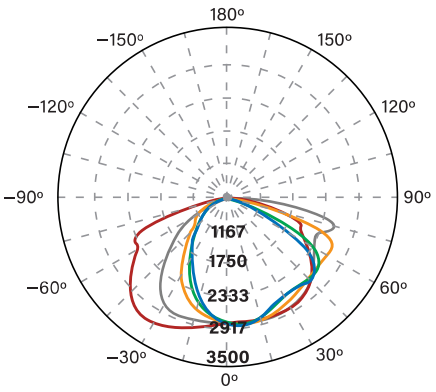
KT-WPLED60-M2-8XX-VDIM

ISOCANDELA PLOT



Cd: 245 (10%)
Cd: 490 (20%)
Cd: 734(30%)
Cd: 979 (40%)
Cd: 1224 (50%)
Cd: 1469 (60%)
Cd: 1836 (75%)
Cd: 2203(100%)

LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **114.2°**

1 **Blue** – 0° H
2 **Red** – 90° H
3 **Green** – 22.5° H
4 **Orange** – 45° H
5 **Grey** – 67.5° H

FLUX DISTRIBUTION

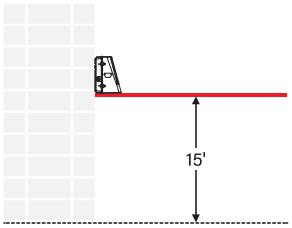
Zone	Lumens	% Luminaire
Forward Light	4,722 lm	65.0%
0°–30°	929 lm	12.3%
30°–60°	2,369 lm	31.4%
60°–80°	1,327 lm	17.6%
80°–90°	161 lm	2.1%
Back Light	2,520 lm	34.6%
0°–30°	801 lm	10.6%
30°–60°	1,382 lm	18.3%
60°–80°	505 lm	6.7%
80°–90°	53 lm	0.7%
Up Light	25 lm	0.4%
90°–100°	3 lm	0.0%
100°–180°	16 lm	0.2%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B2 U2 G2
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B2 U2 G2

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

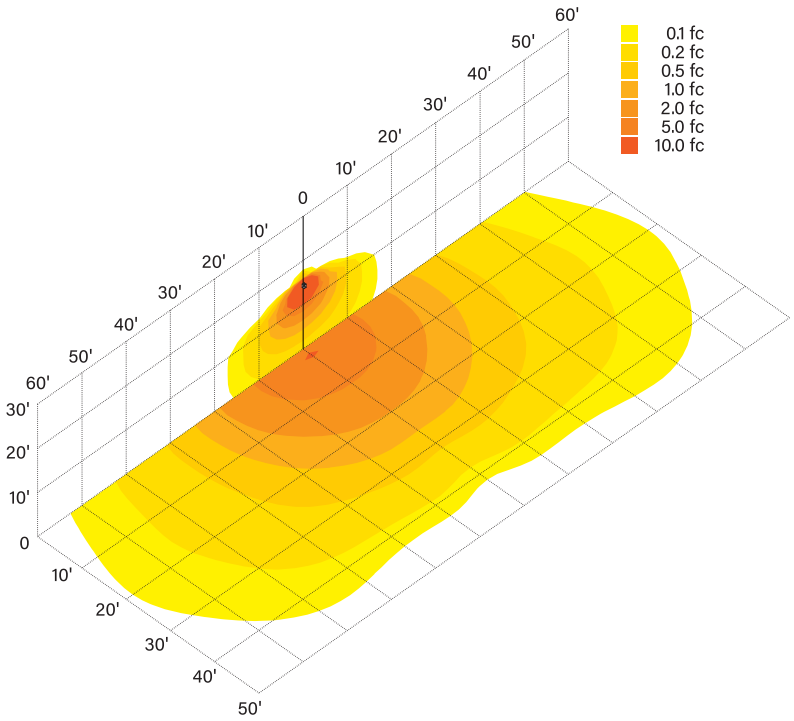
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

Isometric view from above

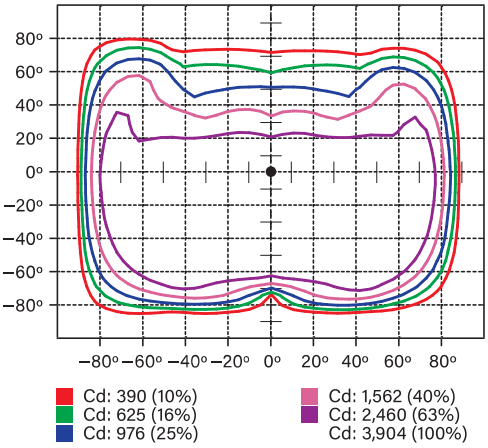


KT-WPLEDXX-M2-8XX-VDIM
ARCHITECTURAL FULL CUTOFF LED WALL PACK

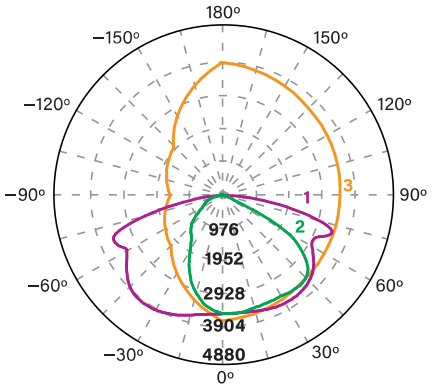
PHOTOMETRIC SPECIFICATIONS (CONTINUED)

KT-WPLED100-M2-8XX-VDIM

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

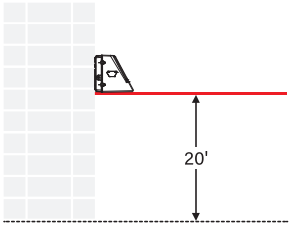
Zone	Lumens	% Luminaire
Forward Light	8,446 lm	64.1%
0°–30°	1,573 lm	12.3%
30°–60°	4,013 lm	31.3%
60°–80°	2,382 lm	18.6%
80°–90°	312 lm	2.4%
Back Light	4,633 lm	35.1%
0°–30°	1,346 lm	10.5%
30°–60°	2,233 lm	17.4%
60°–80°	820 lm	6.4%
80°–90°	84 lm	0.7%
Up Light	102 lm	0.8%
90°–100°	8 lm	0.1%
100°–180°	48 lm	0.4%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B3 U2 G3
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B3 U2 G3

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

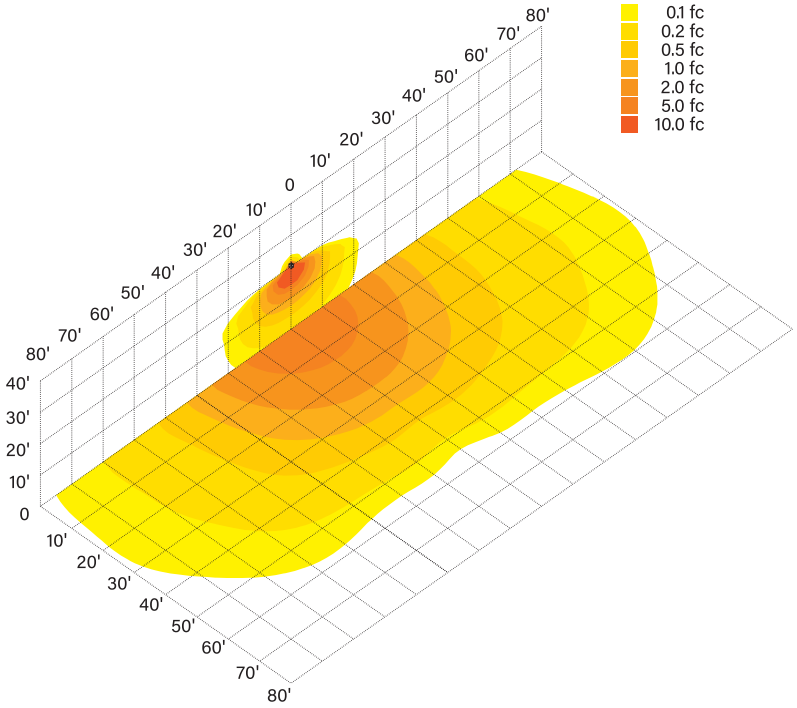
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

Isometric view from above



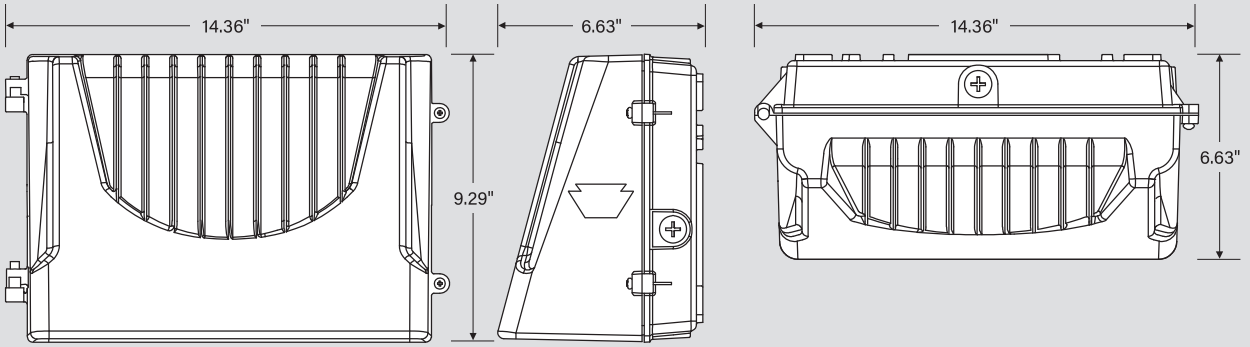
KT-WPLEDXX-M2-8XX-VDIM

ARCHITECTURAL FULL CUTOFF LED WALL PACK

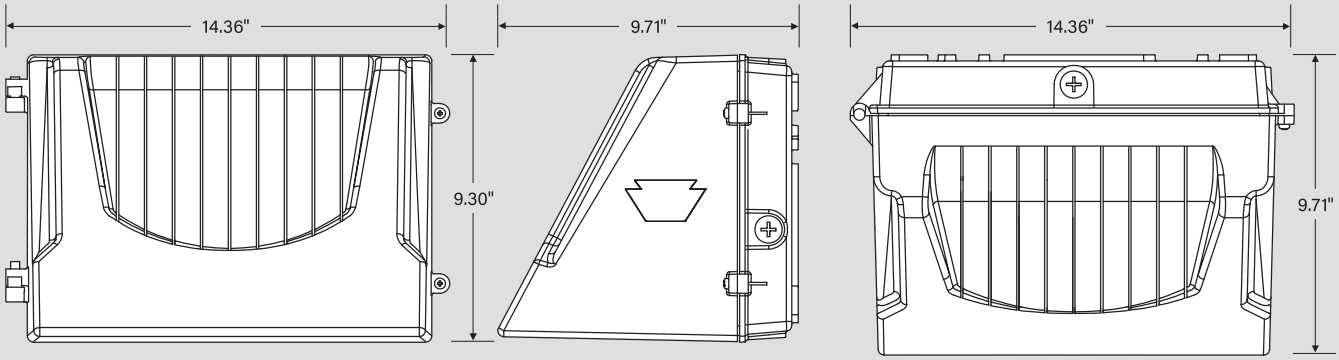
PHYSICAL SPECIFICATIONS

KT-WPLED40-M2-8XX-VDIM

KT-WPLED60-M2-8XX-VDIM



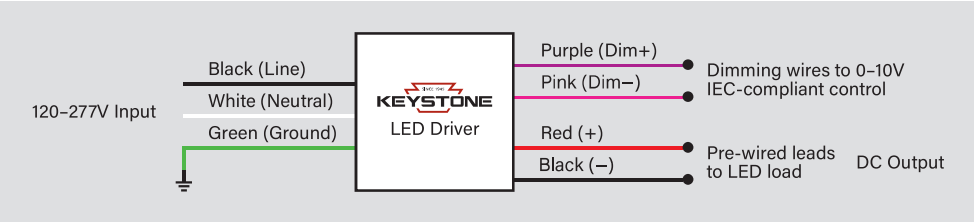
KT-WPLED100-M2-8XX-VDIM



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

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.

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).*

EMERGENCY BACKUP

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/EM12	KT-EMRG-LED-12C-1200	LED Emergency Back-Up, 12W Constant Wattage Design. Approx 1200 Lumens. 120-277V Input. Remote Compact Battery Pack. CEC T20 Compliant.	843654103112	OJQ-32
	-	KT-EMRG-LED2-TS-IP65	IP65 Rated Wet Location Test Switch for 5W and 12W CEC Compliant LED Emergency Packs	843654130019	MDB-29



12W, 1200 lumen Battery Backup
KT-EMRG-LED-12C-1200



Wet Location Test Switch
KT-EMRG-LED2-TS-IP65

** For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).*
† Factory installation of emergency backup units will automatically include any relevant mounting bracket.
***Note:** Only works with 40W and 60W medium*

(*Accessories* continued on next page)

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

ACCESSORIES (CONTINUED)

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).*

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).*

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

ORDERING INFORMATION

CATALOG NUMBER	UPC	EASY CODE	DLC PRODUCT ID
KT-WPLED40-M2-840-VDIM	843654129051	EXI-18	P29LMVYC
KT-WPLED40-M2-850-VDIM	843654129068	GEK-93	PLGYPB0G
KT-WPLED60-M2-840-VDIM	843654129075	VMR-18	PIKA3HFT
KT-WPLED60-M2-850-VDIM	843654129082	OYW-93	PPT7NCOK
KT-WPLED100-M2-840-VDIM	843654129099	JFC-71	PTXBVVYH
KT-WPLED100-M2-850-VDIM	843654129105	EXV-37	PSRAUX5Y

CATALOG NUMBER BREAKDOWN

KT-WPLEDXX-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	Wall Pack

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 MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-WPLED40-M2-8XX-VDIM /MW3/EM12

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-WPLED40-M2-8XX-VDIM /MW3

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-WPLED40-M2-8XX-VDIM

KEYSTONE FIXTURE

CATALOG NUMBER
KT-WPLED40-M2-8XX-VDIM

SENSORS

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

EMERGENCY BACKUP

✓	SUFFIX	CATALOG NUMBER
✓	/EM12	KT-EMRG-LED-12C-1200

** When ordering more then 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.*