



KT-WPLED40-M2-8XX-VDIM

ARCHITECTURAL FULL-CUTOFF LED WALL PACK

DESCRIPTION

Architectural 40W 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
- **Compatible with Keystone LED Emergency Backups. See Accessories page for more details**

PRODUCT SPECIFICATIONS

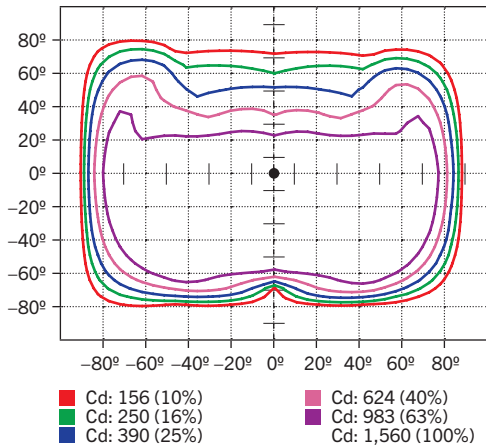
| Catalog Number | Wattage | Lumens | Lumens Below 90° | Dimming | CCT | Efficacy | CRI | Housing Color | Input Voltage | Rated Life | Legacy Equivalent |
|------------------------|---------|--------|------------------|---------|-------|----------|-----|---------------|---------------|------------|-------------------|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

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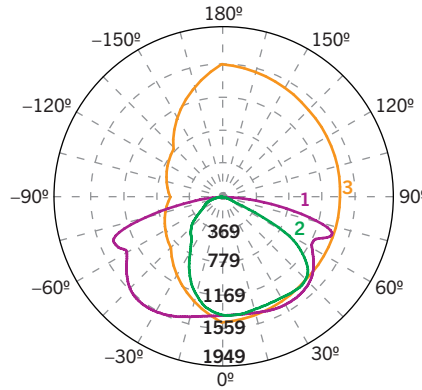
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): 125.1°
1 Violet C0 – C180
2 Green C90 – C270
3 Orange G36
 Unit: cd

FLUX DISTRIBUTION

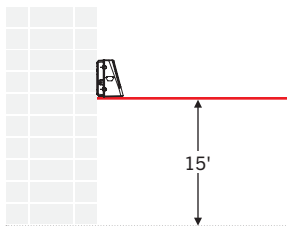
| Zone | Lumens | % Luminaire |
|----------------------|----------|-------------|
| Forward Light | 3,171 lm | 62.0% |
| 0°–30° | 596 lm | 11.6% |
| 30°–60° | 1,594 lm | 31.2% |
| 60°–80° | 912 lm | 17.8% |
| 80°–90° | 70 lm | 1.4% |
| Back Light | 1,905 lm | 37.2% |
| 0°–30° | 514 lm | 10.1% |
| 30°–60° | 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 Luminaire Types | |
| Type I, II, III, IV | B2 U2 G1 |
| Quadrilateral Symmetrical Luminaire Types | |
| Type V, Area Light | B2 U2 G1 |

* Backlight, Uplight, Glare

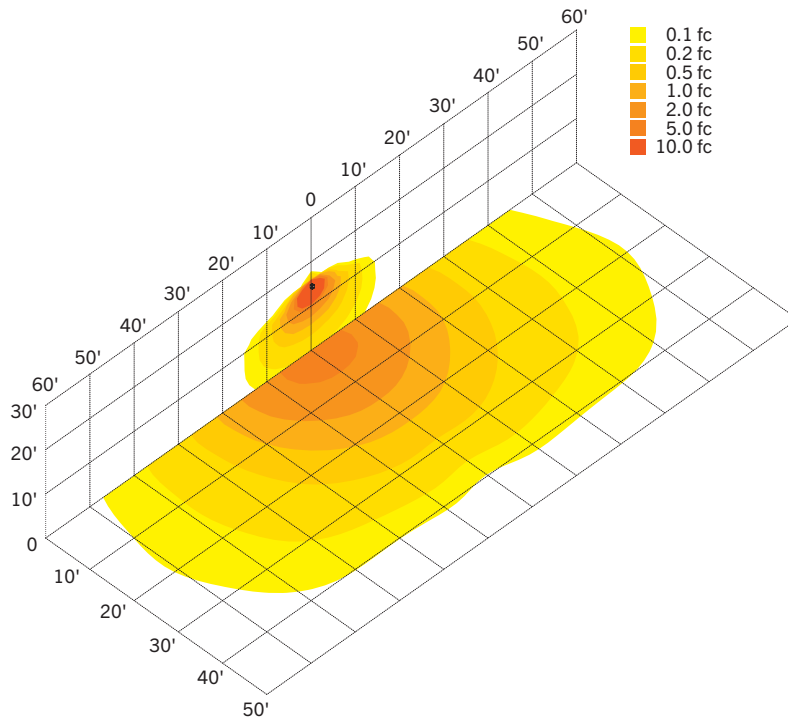
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

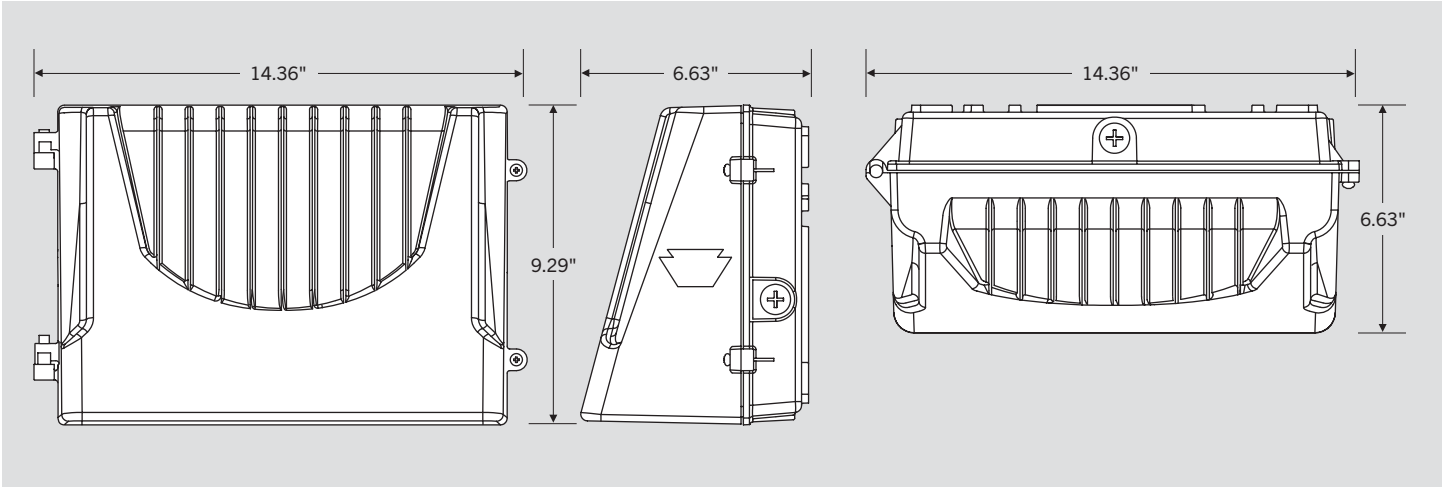
Isometric view from above; Luminaire mounted at 15'



KT-WPLED40-M2-8XX-VDIM

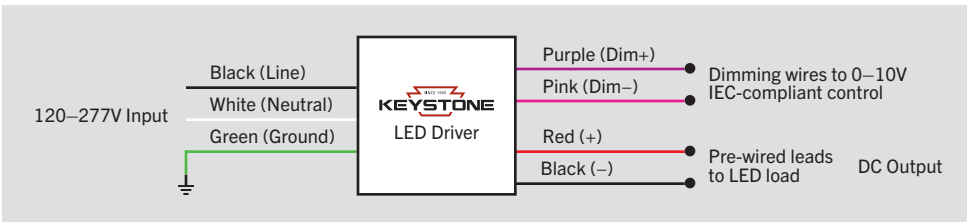
ARCHITECTURAL FULL-CUTOFF LED WALL PACK

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.

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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 |

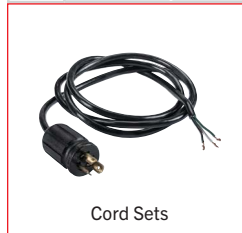


** For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).*

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 |



** 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.*

(Accessories continued on next page)

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ACCESSORIES (continued)

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.

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

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).



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ARCHITECTURAL FULL-CUTOFF LED WALL PACK

ORDERING INFORMATION

| CATALOG NUMBER | PACK QTY. | UPC | EASY CODE | DLC PRODUCT ID |
|------------------------|-----------|--------------|-----------|----------------|
| KT-WPLED40-M2-840-VDIM | 1 | 843654129051 | EXI-18 | P29LMVYC |
| KT-WPLED40-M2-850-VDIM | 1 | 843654129068 | GEK-93 | PLGYPBQG |

CATALOG NUMBER BREAKDOWN

KT-WPLED40-M2-8XX-VDIM

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

ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-WPLED40-M2-8XX-VDIM /MW3/515P6/EM12

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

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

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-WPLED40-M2-8XX-VDIM

* 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.

| KEYSTONE FIXTURE | |
|------------------|------------------------|
| CATALOG NUMBER | |
| | KT-WPLED40-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 |

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