KT-WPLED20-S1-8XX-VDIM
SMALL NON-CUTOFF LED WALL PACK

DESCRIPTION
Small 20W Non-Cutoff LED Wall Pack **|** 120–277V Input **|**
4000–5000K **|** Low Profile Housing **|** Bronze Finish **|** Impact Resistant
Lens

APPLICATION
Building mount for exterior illumination (entryways, pathways,
stairwells, security, and other general site lighting requirements)

10 YEAR LIMITED WARRANTY

PRODUCT FEATURES
- Small non-cutoff design can be mounted virtually anywhere, offering uniform vertical and horizontal distribution pattern for general safety and security illumination needs
- Heavy duty die cast aluminum housing with (3) 1/2" threaded conduit hubs: (1) on back and (1) on each side
- Powered by Keystone 0–10V dimming LED drivers, dimmable to 10%
- Built-in dusk-to-dawn photocell behind translucent 1/2" threaded plug with anti-yellowing agent
- ADA Compliant with low-profile housing less than 4" deep
- Impact-resistant and highly diffused polycarbonate lens with anti-yellowing agent offers reduced glare for low mounting height applications
- Ambient operating temperature: −40°C/−40°F to 45°C/113°F
- UL Certified for wet locations; IP65 rated
- Fixture impact rating IK07
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- 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-WPLED20-S1-840-VDIM	20W	2500	2250	0–10V	4000K	125 lm/W	>80	Bronze	120–277V	50,000 hrs	50–70W MH
KT-WPLED20-S1-850-VDIM					5000K						

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017
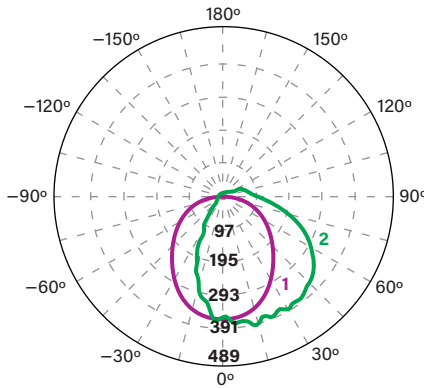
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PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT

Cd: 114 (10%)
Cd: 183 (16%)
Cd: 286 (25%)
Cd: 458 (40%)
Cd: 721 (63%)
Cd: 1,145 (100%)
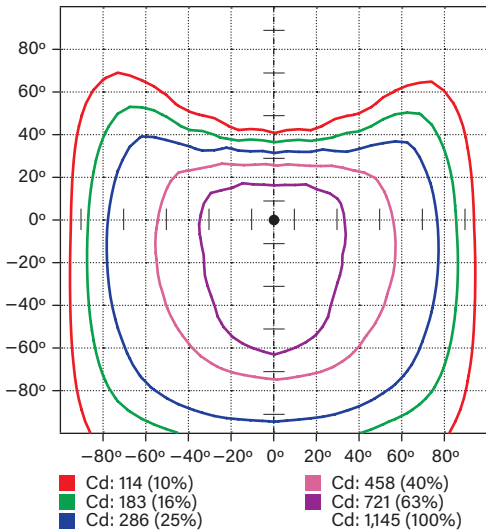
LUMINOUS INTENSITY DISTRIBUTION

Average diffuse angle (50%): **100°**
1 Violet C0 – C180
2 Green C90 – C270
Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	1,653 lm	64.0%
0°–30°	379 lm	14.7%
30°–60°	758 lm	29.4%
60°–80°	400 lm	15.5%
80°–90°	116 lm	4.5%
Back Light	667 lm	25.8%
0°–30°	264 lm	10.2%
30°–60°	283 lm	11.0%
60°–80°	97 lm	3.8%
80°–90°	23 lm	0.9%
Up Light	261 lm	10.1%
90°–100°	92 lm	3.5%
100°–180°	170 lm	6.6%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B1 U3 G1
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B1 U3 G1

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

MOUNTING
Side view

10'
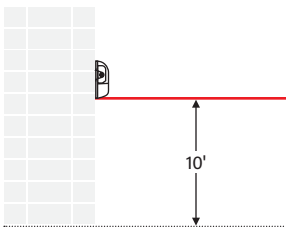
LIGHT DISTRIBUTION PATTERN
Isometric view from above; Luminaire mounted at 10'

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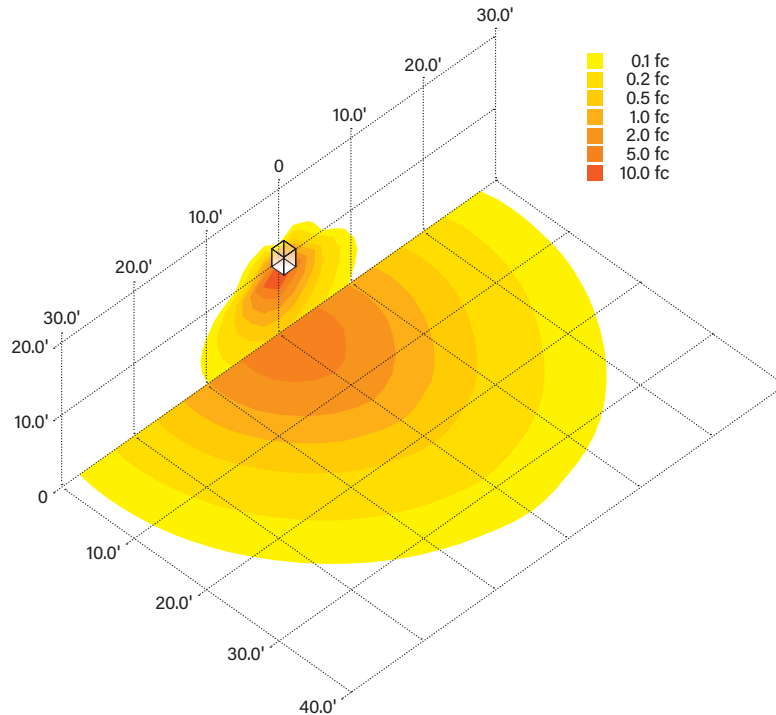
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PHYSICAL SPECIFICATIONS

5.81"   3.09"   5.81"

8.61"   3.09"
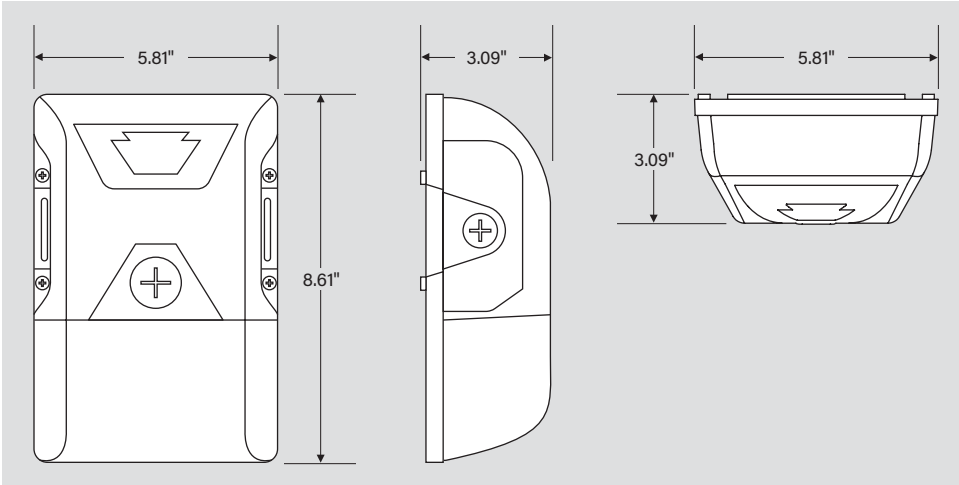
GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM

120–277V Input

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

LED Driver

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

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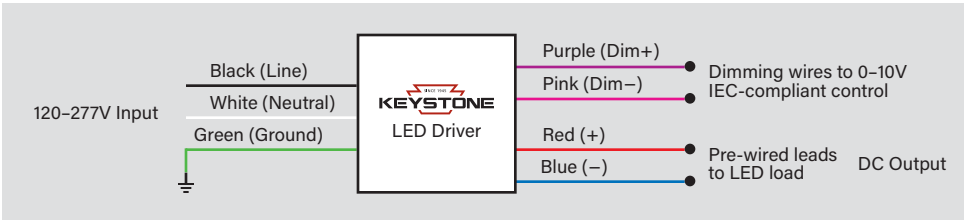
Caution: Before installing, make certain that AC power to the fixture is off.

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

PHOTOCELL ENABLE / DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.


Photocell Enable / Disable

ON

OFF
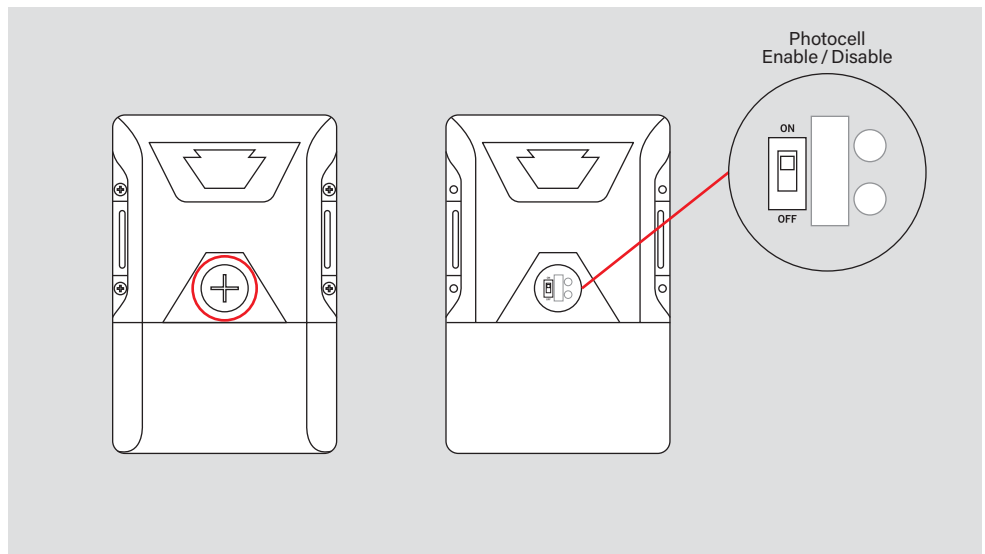
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ACCESSORIES

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
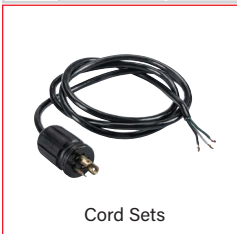
Cord Sets

* 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.*

SURGE PROTECTORS

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

✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	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

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ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-WPLED20-S1-840-VDIM	1	843654129143	TKE-18	PLWV02KJ
KT-WPLED20-S1-850-VDIM	1	843654129150	DOV-45	PGBIB960

CATALOG NUMBER BREAKDOWN

KT-WPLED20-S1-8XX-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 80 CRI
8 CCT
9 0–10V Dimming

2 Fixture Type

WP	Wallpack

7 CRI

8	>80

5 Size

S	Small

8 Color

40	4000K
50	5000K

6 Style

1	Non-Cutoff

9 Dimming

VDIM	0–10V

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-WPLED20-S1-8XX-VDIM /515P6

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-WPLED20-S1-8XX-VDIM

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-WPLED20-S1-8XX-VDIM

CORD SETS

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