KT-FLED100-R1A-UNV-8CSB-VDIM
COMPACT 100W GENERAL-PURPOSE LED FLOODLIGHT

DESCRIPTION
Compact 100W General-Purpose LED Floodlight | 120—277V Input |
3000—5000K | Bronze Housing | Universal Mount

APPLICATION
Building or ground mount application for outdoor illumination
(landscapes, display signage, loading docks,
building façades, pathways, parking areas, and
other general site lighting requirements)

PRODUCT FEATURES
- Keystone Color Select technology (3000/4000/5000K)
- Uniform, wide flood design (NEMA 7H x 7V distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0—10V dimming LED drivers
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty slip fitter mount and trunnion mount options included
- Ambient operating temperature: −40ºC/−40ºF to 45ºC/113ºF
- UL listed for wet locations, IP65
- 0—10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25ºC/77ºF ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- 18" input cable, pre-stripped
- Fixture impact rating IK07

PERFORMANCE SPECIFICATIONS

| Catalog Number	Wattage	Selectable CCT *	Lumens	Efficacy	Input Voltage	Housing Color	CRI	Dimming	Mounting	Rated Life	Legacy Equivalent
KT-FLED100-R1A-UNV-8CSB-VDIM	100W	3000K	12200 lm	122 lm/W	120—277V	Bronze	>80	0—10V	Universal: 2 3/8" Slip fitter or trunnion	50,000 hrs	400W MH
		4000K	14300 lm	143 lm/W							
		5000K	13400 lm	134 lm/W							

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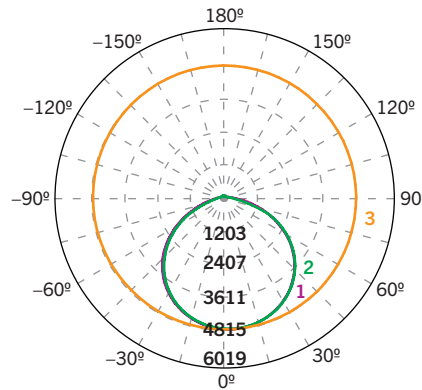
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PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT

Cd: 482 (10%)
Cd: 770 (16%)
Cd: 3034 (25%)
Cd: 1180 (40%)
Cd: 1926 (63%)
Cd: 4815 (100%)
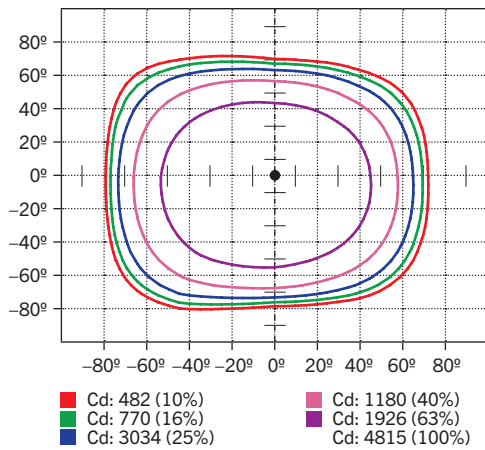
LUMINOUS INTENSITY DISTRIBUTION

1203
2407
3611
4815
6019

Average diffuse angle (50%): **114.2º**
1 Violet C0−C180
2 Green C90−C270
3 Orange G2
Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	6,890 lm	51.7%
0º–30º	1,901 lm	14.3%
30º–60º	3,804 lm	28.5%
60º–80º	1,156 lm	8.7%
80º–90º	28 lm	0.2%
Back Light	6,331 lm	47.5%
0º–30º	1,864 lm	14.0%
30º–60º	3,550 lm	26.6%
60º–80º	899 lm	6.7%
80º–90º	17 lm	0.1%
Up Light	106 lm	0.8%
90º–100º	6 lm	0.0%
100º–180º	100 lm	0.8%

| BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B3 U3 G2
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B3 U3 G1

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

LIGHT DISTRIBUTION PATTERNS (Isometric view from above)

Building exterior mounted at
20', 30º below horizontal
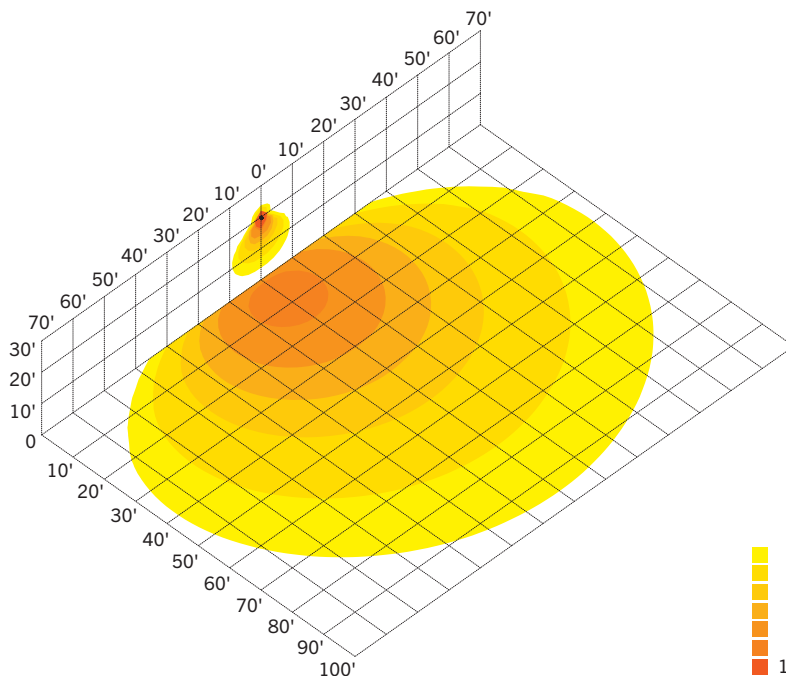
Ground mounted at 6" above ground,
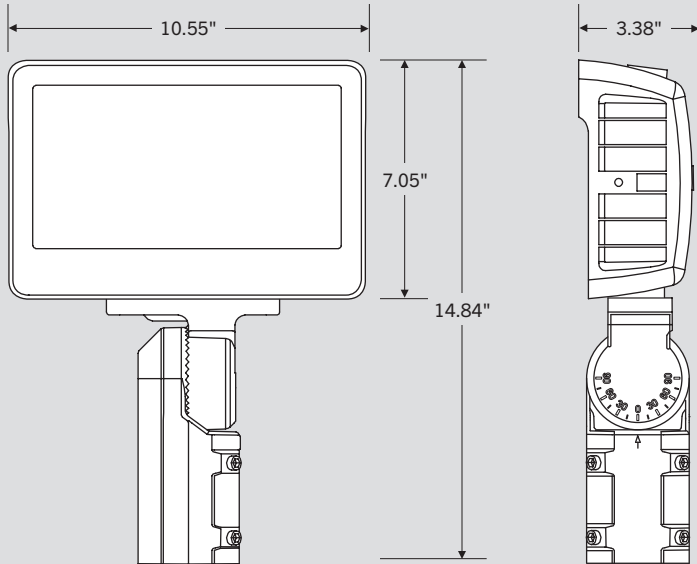10º above horizontal, shining towards building exterior
wall at 28' away

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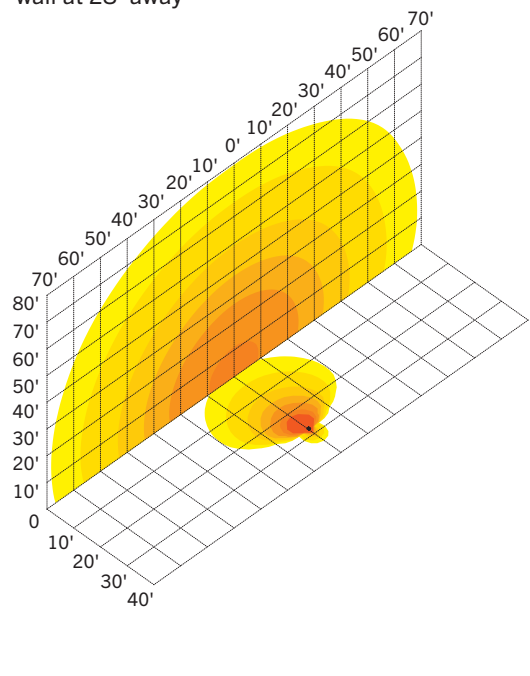
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PHYSICAL SPECIFICATIONS

SLIP FITTER MOUNT

10.55"

7.05"

14.84"

3.38"

TRUNNION MOUNT

10.55"

7.05"

12.36"

3.38"
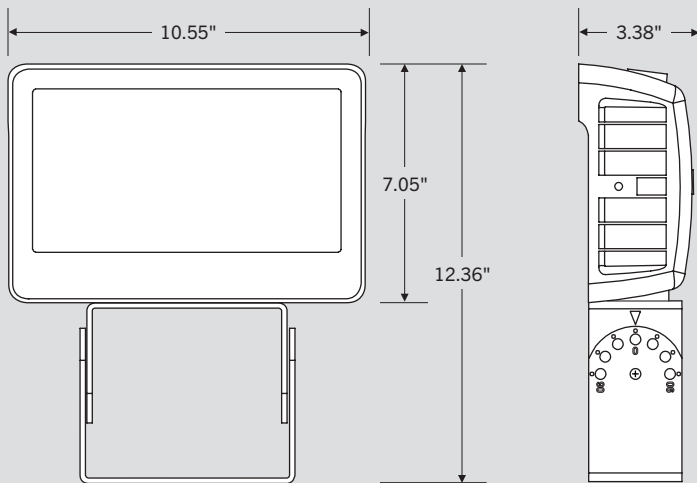
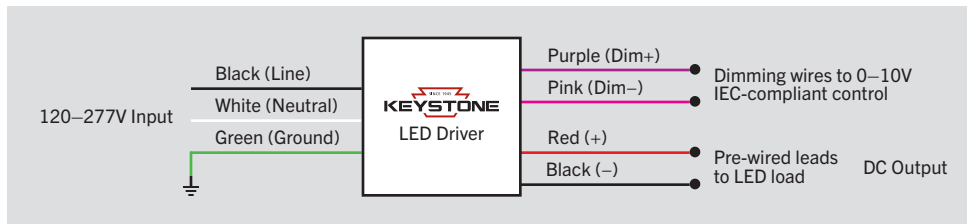|	EPA
Mounted Vertical	0.62 sq/ft
Mounted Horizontal	0.30 sq/ft
Mounted 45º	0.65 sq/ft

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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 (+)
- Black (−)

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 pre-set with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.

Photocell Enable / Disable

Color Select (CCT) Adjustment
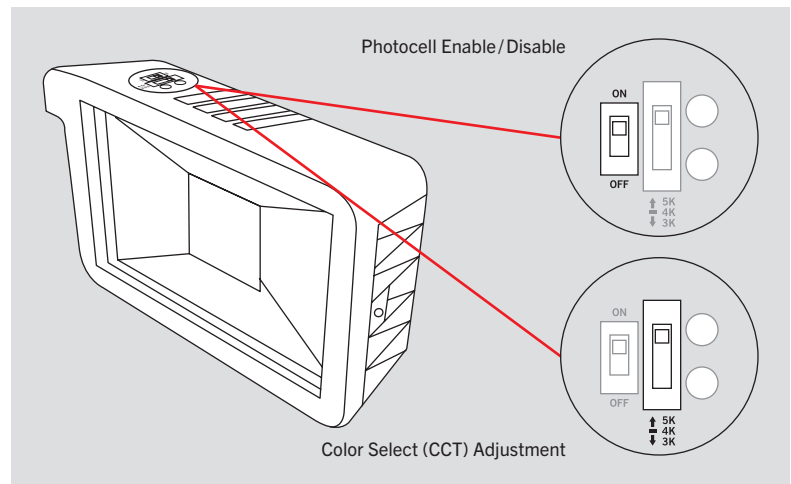
ACCESSORIES (SOLD SEPARATELY)

CORD SETS

Factory-Installable OR Field-Installable (field-installable options must be purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/515P6	KT-CS-515P-6-18/3	Cord set; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire	843654140124	UKH-26

* 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.*

KT-FLED100-R1A-UNV-8CSB-VDIM
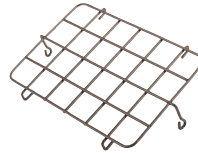## COMPACT 100W GENERAL-PURPOSE LED FLOODLIGHT

ACCESSORIES (continued)

MOUNTS AND BRACKETS

Field-Installable (field-installable options must be purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-FLED-KM-1-KIT	Knuckle Mount for 75W and 100W Rectangular Series 1 LED Floodlight. Includes Mounting Hardware. Standard Bronze Housing.	843654146836	JAR-10
KT-FLED-WG-4-KIT	Wire guard for 75W and 100W Rectangular Series 1 LED Floodlight	843654138855	EFZ-60

Knuckle Mount
KT-FLED-KM-1-KIT

Wire Guard
KT-FLED-WG-4-KIT

ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-FLED100-R1A-UNV-8CSB-VDIM	1	843654129006	JDK-34	P6CV0YBN
				S-BUW420
				S-TNHSQW

KEYSTONE | SINCE 1945 | LIGHT MADE EASY®   **XFIT**   **COLOR SELECT**

KT-FLED100-R1A-UNV-8CSB-VDIM
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CATALOG NUMBER BREAKDOWN

KT-FLED100-R1A-UNV-8CSB-VDIM

1   2   3   4   5 6 7   8   9 10 11   12   13

1 **Keystone Technologies**
2 **Fixture Type**
3 **LED Lamp**
4 **Max Wattage**
5 **Shape**
6 **Series Designation**
7 **Distribution**
8 **Mounting**
9 **CRI**
10 **Color**
11 **Color Select Designation**
12 **Dimming**
13 **Housing Color**

2 Fixture Type

F	Flood

7 Distribution

A	NEMA 7H x 7V

10 Color

CS	Color Select

12 Dimming

VDIM	0—10V

5 Shape

R	Rectangular

8 Mounting

UNV	Universal

11 Color Select Designation

B	3000/4000/5000K

13 Housing Color

	Bronze
W	White

Note: Special order housing color options have extended lead times.

6 Series Designation

1	General Purpose Floodlight

9 CRI

8	>80

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-FLED100-R1A-UNV-8CSB-VDIM /515P6

KEYSTONE FIXTURE
CATALOG NUMBER
KT-FLED100-R1A-UNV-8CSB-VDIM

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