KEYSTONE
SINCE 1945
LIGHT MADE EASY®

XFIT | FLOOD LIGHT FIXTURES

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

DESCRIPTION

Compact 100W General-Purpose LED Flood Light **I** 120–277V Input **I** 3000–5000K **I** Bronze Housing **I** Multiple Mounting Options

APPLICATION

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

UL LISTED c us | DLC LISTED PREMIUM | 5 YEAR WARRANTY | ◄ COLOR SELECT ► | TRUSTED N3 WARRANTY

PRODUCT FEATURES

• Uniform, wide flood design (NEMA 7h × 7w 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
• Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
• 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

ELECTRICAL SPECIFICATIONS

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

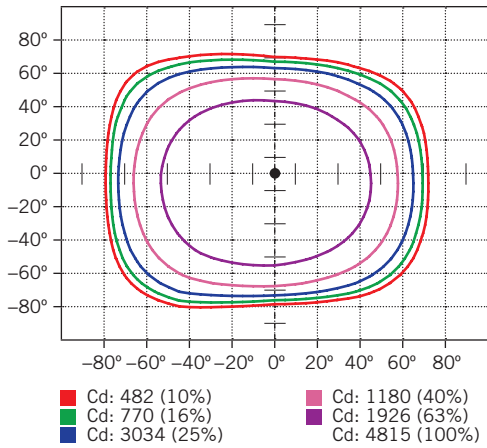** Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017*

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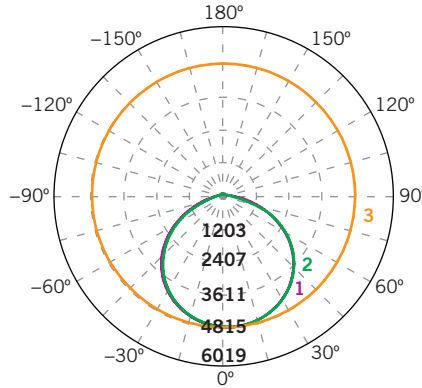## COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT

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%

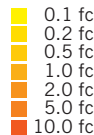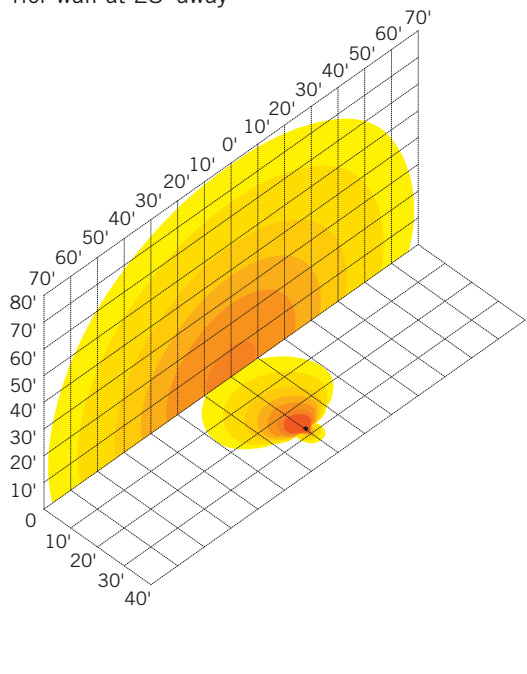| BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B3 U3 G2
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B3 U3 G1

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

LIGHT DISTRIBUTION PATTERNS (Isometric view from above)

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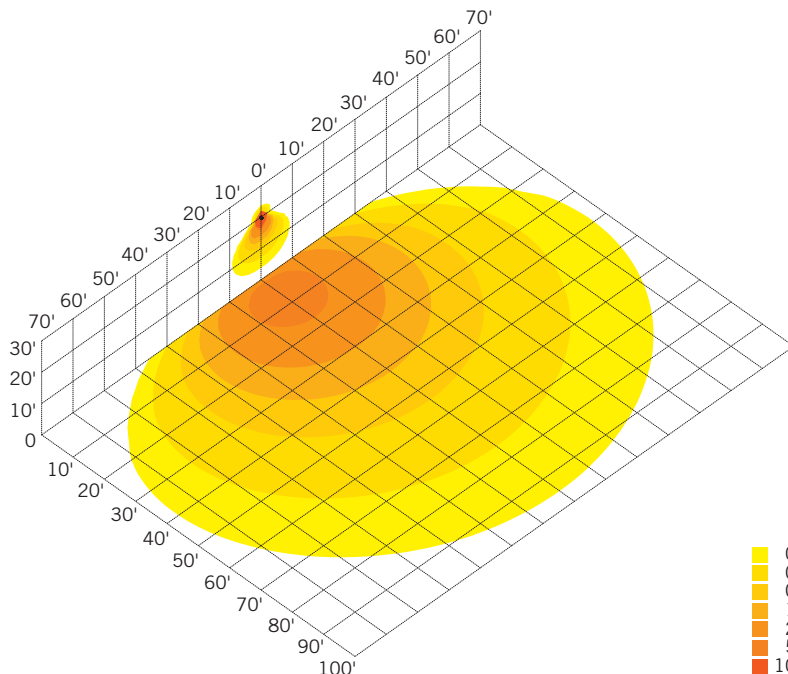
Ground mounted at 6" above ground,
10º above horizontal, shining towards building exterior wall at 28' away

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"
3.38"
7.05"
14.84"

TRUNNION MOUNT

10.55"
3.38"
7.05"
12.36"
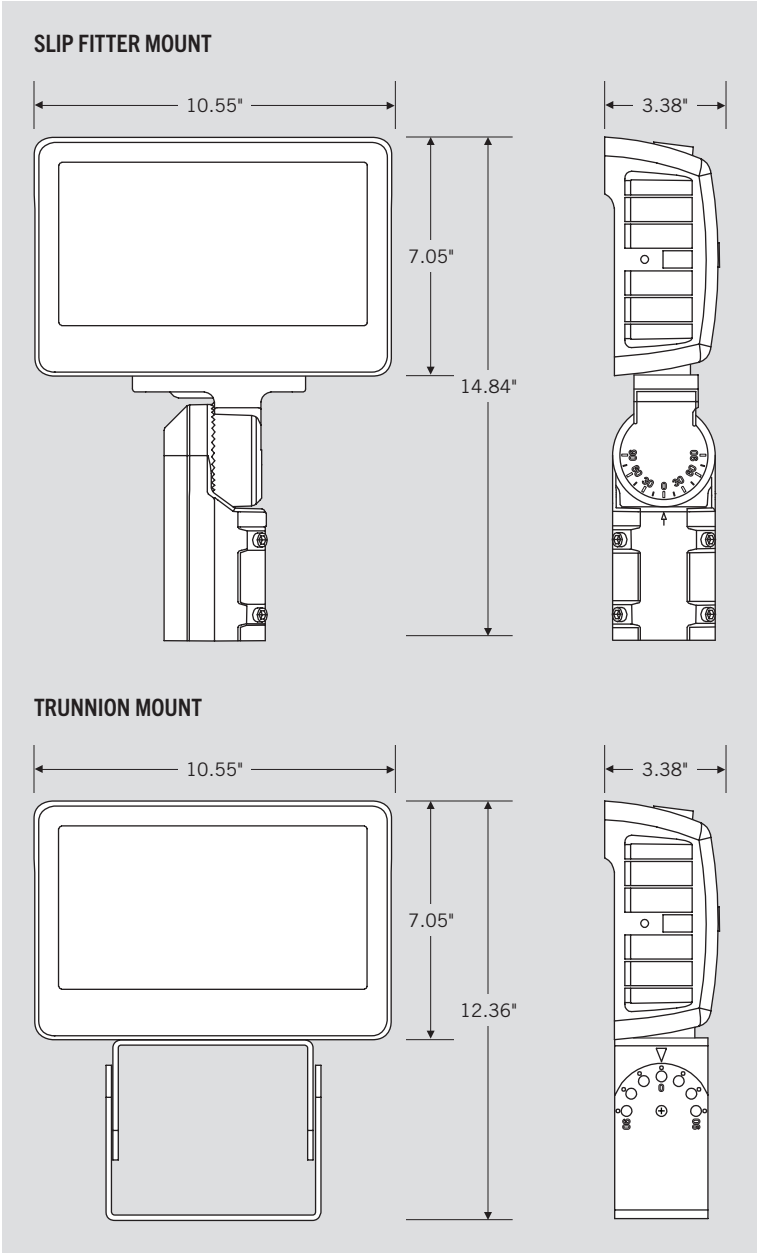
	EPA
Mounted Vertical	0.62 sq/ft
Mounted Horizontal	0.30 sq/ft
Mounted 45º	0.65 sq/ft

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GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM

120–277V Input
- Black (Line)
- White (Neutral)
- Green (Ground)

LED Driver

- Purple (Dim+)
- Gray (Dim–)

Dimming wires to 0–10V IEC-compliant control

- Red (+)
- Black (–)

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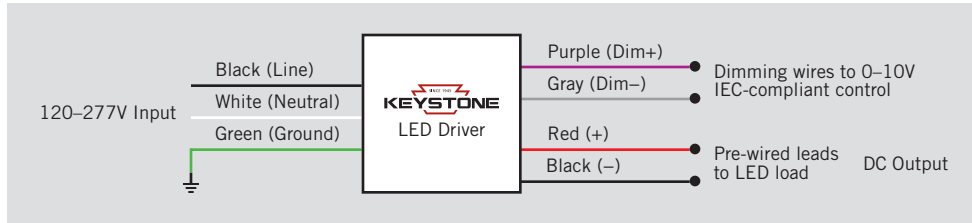
Caution: Before installing, make certain that AC power to the fixture is off.

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 preset 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
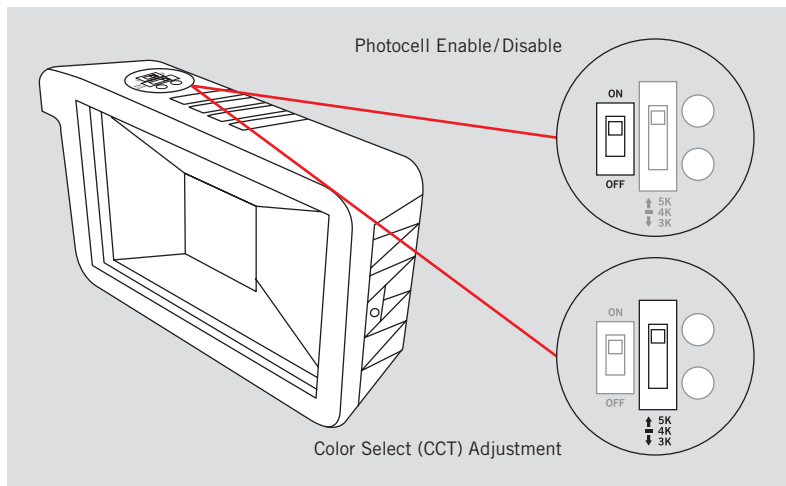
ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-FLED100-R1A-UNV-8CSB-VDIM	1	JDK-34	843654129006

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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 Style
7 Distribution
8 Mounting
9 CRI
10 Color
11 Color Select Designation
12 Dimming
13 Housing Color

2 Fixture Type

F	Flood
WP	Wallpack

5 Shape

R	Rectangular

6 Style

1	Non-Cutoff
2	Full-Cutoff

7 Distribution

A	Wide (7 × 7)
B	Narrow
C	Very Narrow

8 Mounting

UNV	Universal

9 CRI

8	>80
9	>90

10 Color

40	4000K
50	5000K
CS	Color Select

11 Color Select Designation

A	3500K, 4000K, 5000K
B	3000K, 4000K, 5000K
C	3000K, 3500K, 4000K, 5000K
D	TBD

12 Dimming

VDIM	0–10V

13 Housing Color

	Bronze
B	Black
W	White