



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

## COMPACT 100W GENERAL-PURPOSE LED FLOODLIGHT

**DESCRIPTION**

Compact 100W General-Purpose LED Floodlight | 120–277V Input | 3000–5000K | White 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)



**10 YEAR LIMITED WARRANTY**

**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: –40°C/–40°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0–10V dimming, 10% min
- 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
- 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-W	100W	3000K	12200 lm	122 lm/W	120–277V	White	>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

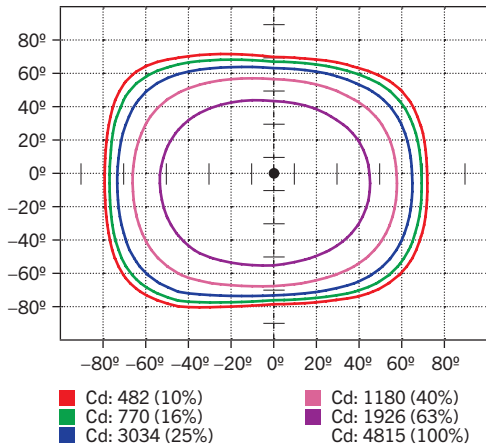


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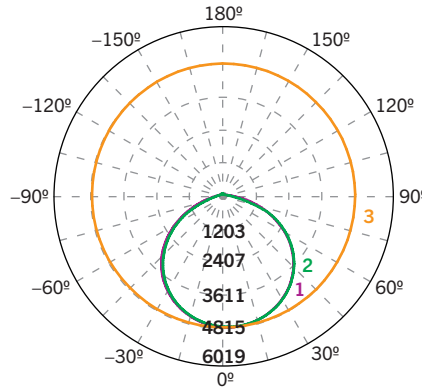
## COMPACT 100W GENERAL-PURPOSE LED FLOODLIGHT

### PHOTOMETRIC SPECIFICATIONS

#### ISOCANDELA PLOT



#### LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): 114.2°

- 1 Violet C0 – C180
  - 2 Green C90 – C270
  - 3 Orange G2
- Unit: cd

#### FLUX DISTRIBUTION

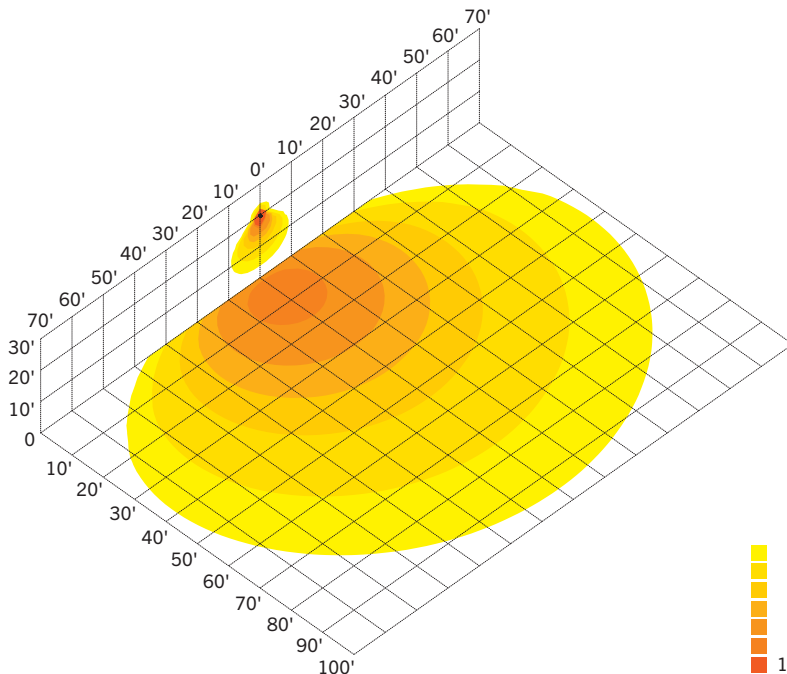
Zone	Lumens	% Luminaire
<b>Forward Light</b>	6,890 lm	51.7%
0°–30°	1,901 lm	14.3%
30°–60°	3,804 lm	28.5%
60°–80°	1,156 lm	8.7%
80°–90°	28 lm	0.2%
<b>Back Light</b>	6,331 lm	47.5%
0°–30°	1,864 lm	14.0%
30°–60°	3,550 lm	26.6%
60°–80°	899 lm	6.7%
80°–90°	17 lm	0.1%
<b>Up Light</b>	106 lm	0.8%
90°–100°	6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

BUG* Rating	
<b>Asymmetrical Luminaire Types</b>	
Type I, II, III, IV	B3 U3 G2
<b>Quadrilateral Symmetrical Luminaire Types</b>	
Type V, Area Light	B3 U3 G1

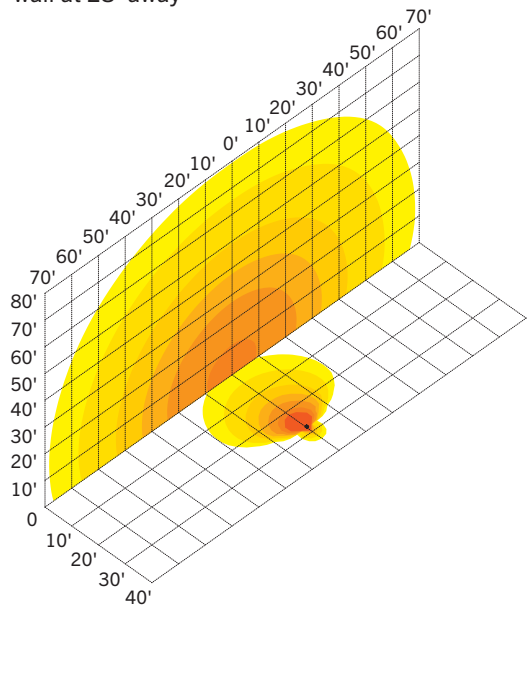
\* Backlight, Uplight, Glare

#### LIGHT DISTRIBUTION PATTERNS (Isometric view from above)

Building exterior mounted at 20', 30° below horizontal



Ground mounted at 6" above ground, 10° above horizontal, shining towards building exterior wall at 28' away

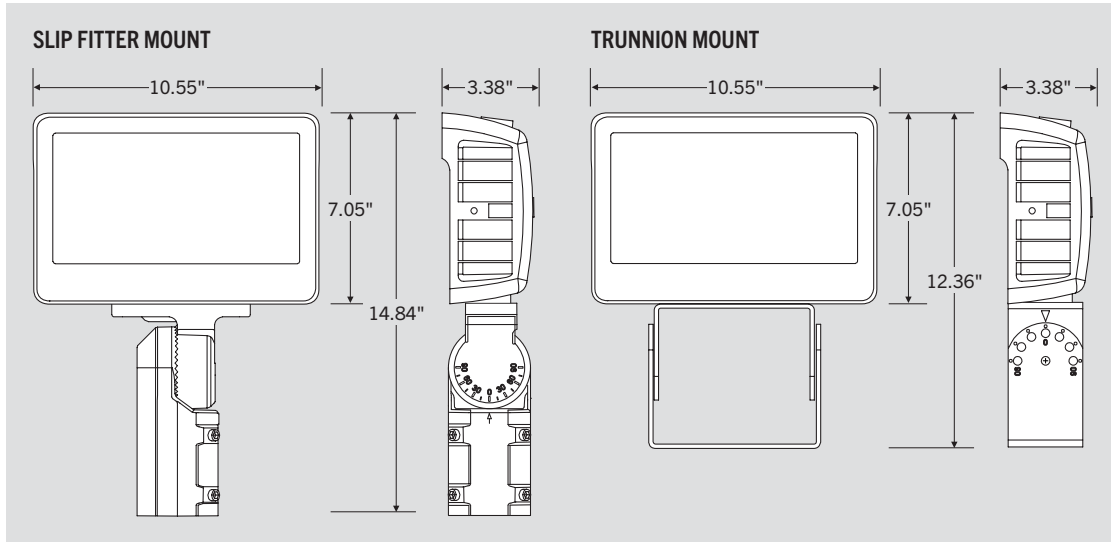




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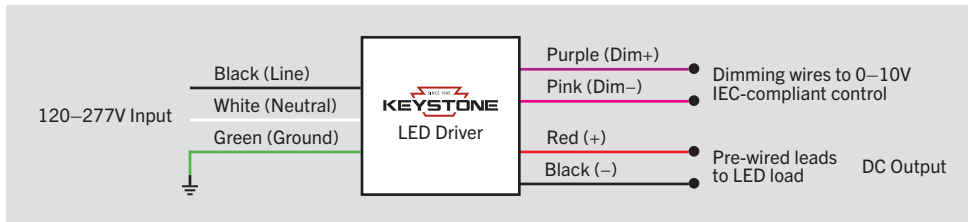
### PHYSICAL SPECIFICATIONS



	EPA
Mounted Vertical	0.62 sq/ft
Mounted Horizontal	0.30 sq/ft
Mounted 45°	0.65 sq/ft

### GENERAL SETUP INSTRUCTIONS

#### GENERAL WIRING DIAGRAM



**Caution:** Before installing, make certain that AC power to the fixture is off.

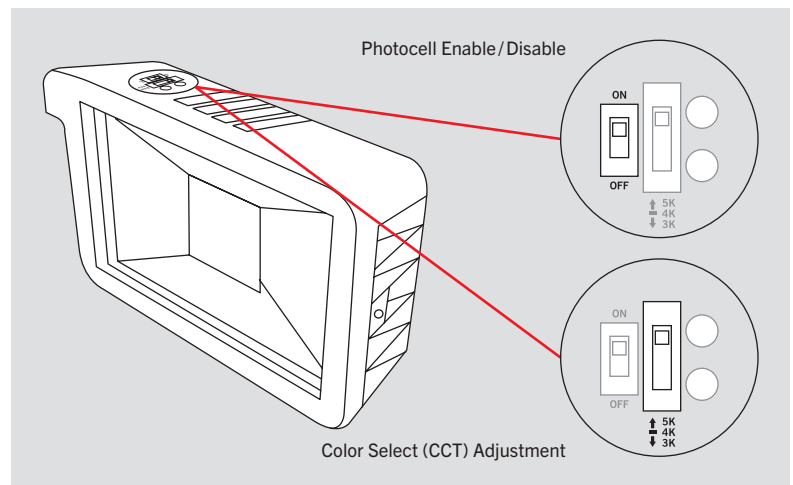
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### 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 pre-set at 5000K unless otherwise noted.





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**ACCESSORIES (SOLD SEPARATELY)**

**MOUNTS AND BRACKETS**

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-FLED-KM-1-KIT-W	Knuckle mount for 75W and 100W Rectangular Series 1 LED Flood Light. White finish	843654146836	JAR-10



**ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-FLED100-R1A-UNV-8CSB-VDIM-W	1	843654149639	UFV-93	P6CV0YBN
				S-BUW420
				S-TNHSQW

**CATALOG NUMBER BREAKDOWN**

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

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>1</b> Keystone Technologies	<b>2</b> Fixture Type	<b>3</b> LED Lamp	<b>4</b> Max Wattage	<b>5</b> Shape	<b>6</b> Series Designation	<b>7</b> Distribution	<b>8</b> Mounting	<b>9</b> CRI	<b>10</b> Color	<b>11</b> Color Select Designation	<b>12</b> Dimming	<b>13</b> Housing Color
	<b>F</b> Flood			<b>R</b> Rectangular	<b>1</b> General Purpose Floodlight	<b>A</b> NEMA 7H x 7V	<b>UNV</b> Universal	<b>8</b> >80	<b>CS</b> Color Select	<b>B</b> 3000/4000/5000K		<b>W</b> White
											<b>VDIM</b> 0-10V	

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