FL-LED-R1A-35-8CSB-KY
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

35W, 120-277V Input

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 0–10V dimming LED drivers
- CCT Selection: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty 1/2" knuckle mount with 90º adjustment and yoke mount options included
- Ambient operating temperature: −30ºC/−22ºF 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

10 YEAR LIMITED WARRANTY

ELECTRICAL SPECIFICATIONS

| Catalog Number	Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
FL-LED-R1A-35-8CSB-KY	35W	4480 lm	0–10V	3000K	128 lm/W	>80	Bronze	Universal: 1/2" Knuckle or yoke	120–277V	50,000 hrs	150–175W MH
		5075 lm		4000K	145 lm/W						
		4900 lm		5000K	140 lm/W						

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

FL-LED-R1A-35-8CSB-KY
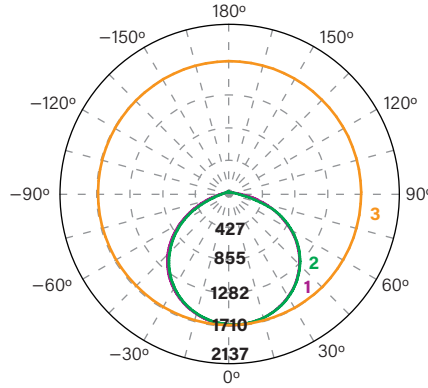## COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT

- Cd: 171 (10%)
- Cd: 274 (16%)
- Cd: 428 (25%)
- Cd: 684 (40%)
- Cd: 1077 (63%)
- Cd: 1710 (100%)
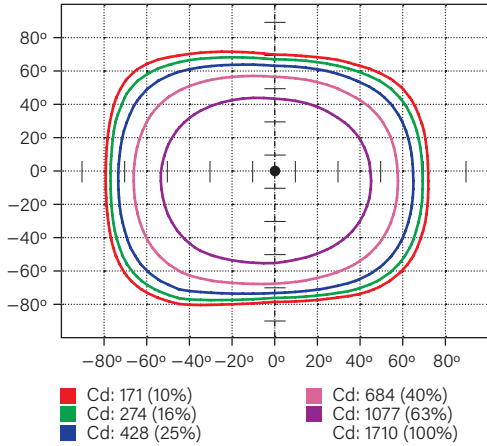
LUMINOUS INTENSITY DISTRIBUTION

427
855
1282
1710
2137

Average diffuse angle (50%): **114.3º**

1 Violet C0 – C180
2 Green C90 – C270
3 Orange G3
Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	2,527 lm	53.2%
0º–30º	675 lm	14.2%
30º–60º	1,366 lm	28.8%
60º–80º	471 lm	9.9%
80º–90º	15 lm	0.3%
Back Light	2,181 lm	46.0%
0º–30º	656 lm	13.8%
30º–60º	1,223 lm	25.8%
60º–80º	297 lm	6.3%
80º–90º	5 lm	0.1%
Up Light	39 lm	0.8%
90º–100º	2 lm	0.0%
100º–180º	36 lm	0.8%

| BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B2 U2 G1
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B2 U2 G1

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

LIGHT DISTRIBUTION PATTERNS (Isometric view from above)

Building exterior mounted at 15',
30º below horizontal
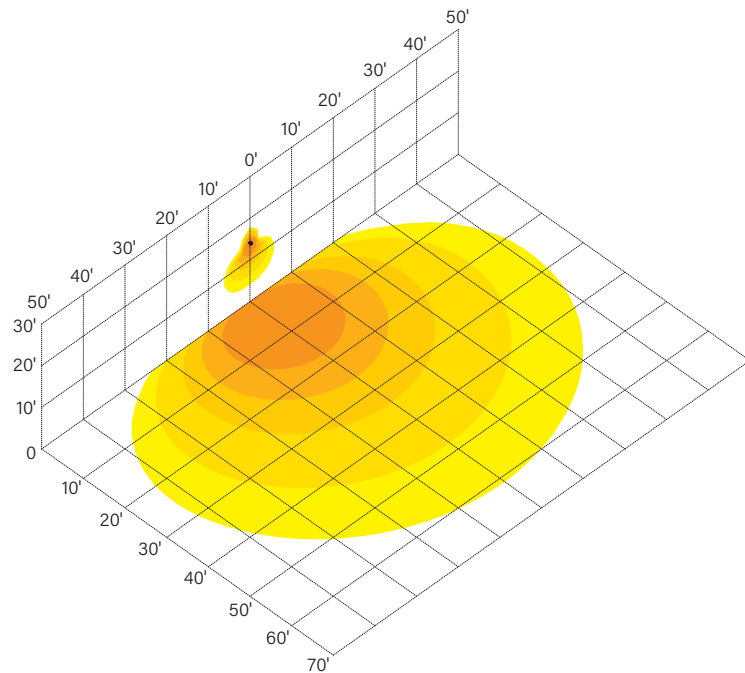
Ground mounted at 6" above ground,
10º above horizontal, shining towards building exterior
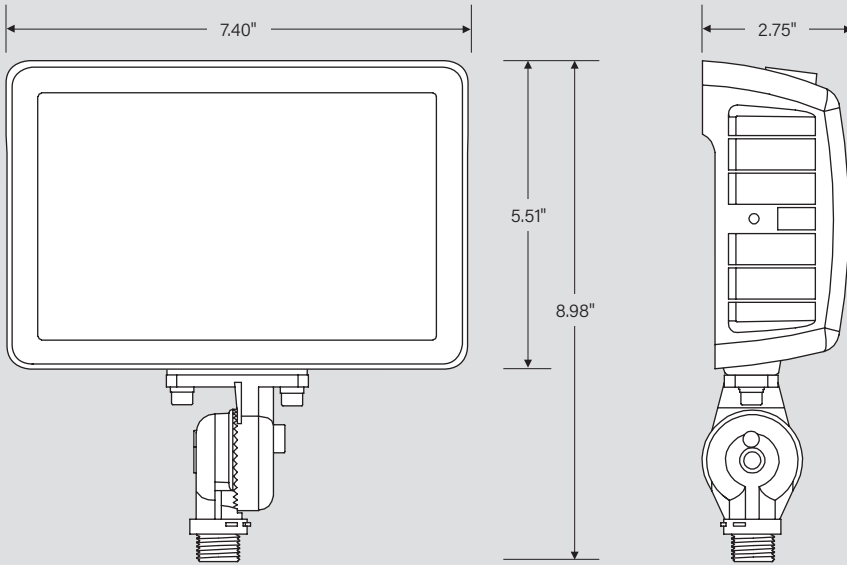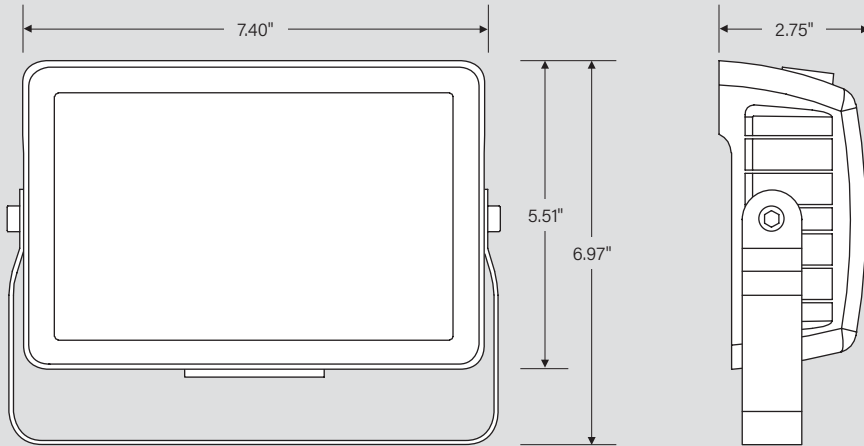wall at 14' away

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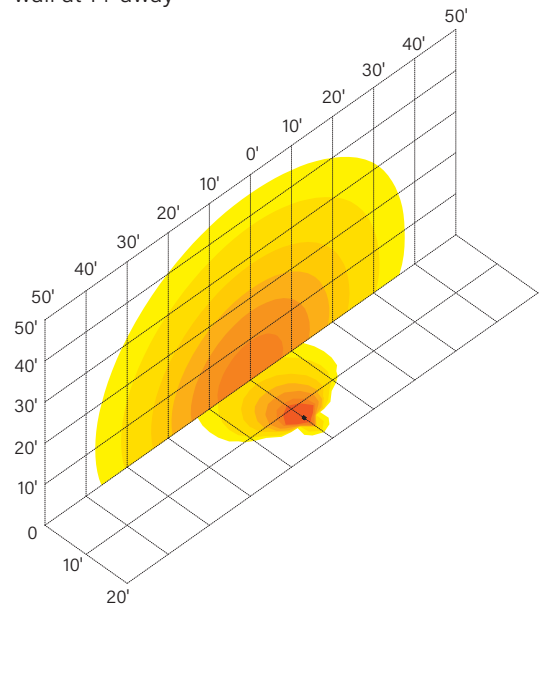
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PHYSICAL SPECIFICATIONS

KNUCKLE MOUNT
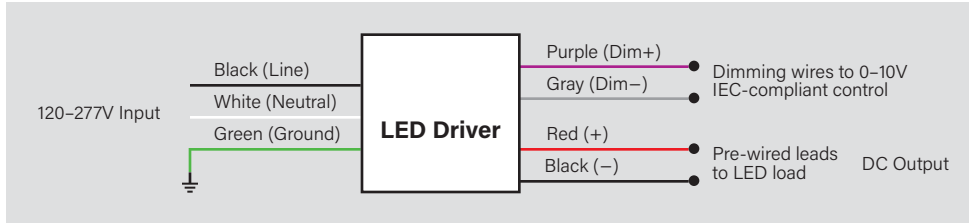

7.40"
2.75"
5.51"
8.98"

YOKE MOUNT

7.40"
2.75"
5.51"
6.97"

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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.

(CCT) ADJUSTMENT

This fixture is equipped with CCT Selection. 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

ON
OFF

5K
4K
3K

ON
OFF

5K
4K
3K

(CCT) Adjustment
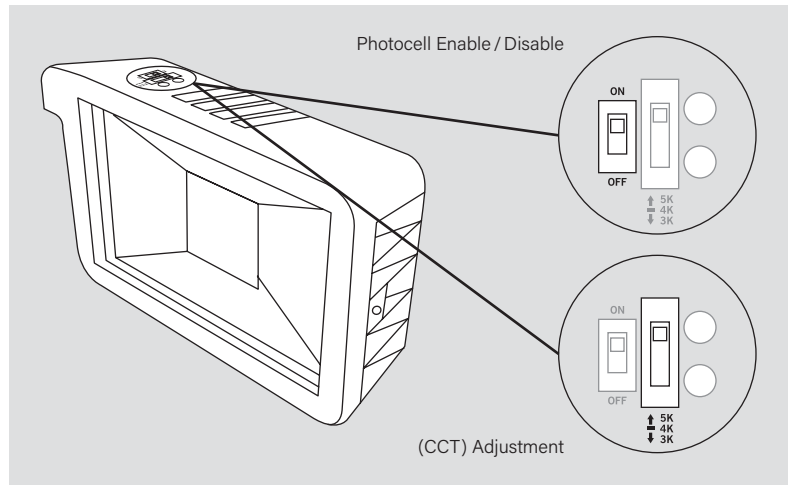
FL-LED-R1A-35-8CSB-KY
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ACCESSORIES (SOLD SEPARATELY)

CORD SETS

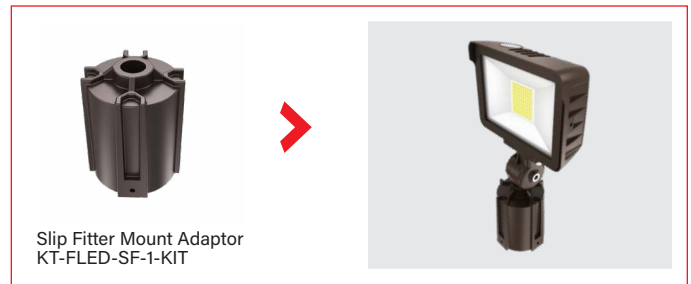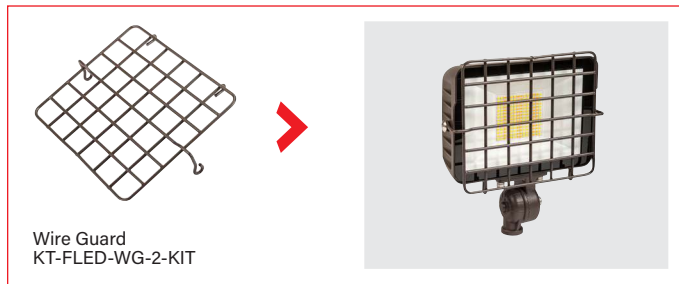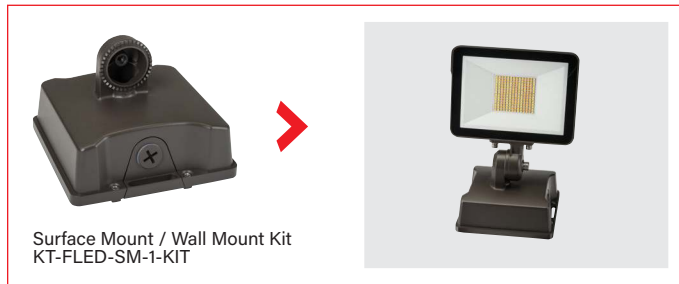**Factory-Installable OR Field-Installable** (field-installable options must be purchased separately)

✓	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.*

MOUNTS AND BRACKETS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	N/A	KT-FLED-SM-1-KIT	Surface Mount / Wall Mount Kit for Series 1 Flood Lights. Fits 15W thru 60W fixtures. Includes Mounting Hardware. Standard Bronze Housing	843654129167	HZJ-35
	N/A	KT-FLED-RC-4	Round Cover Plate for mounting Floodlights on 4" Round boxes. Includes Mounting Hardware. Standard Bronze Color	843654129181	IOI-49
	N/A	KT-FLED-WG-2-KIT	Wire Guard for 35W Rectangular Series 1 LED Floodlight	843654138831	YLC-83
	N/A	KT-FLED-SF-1-KIT	Slip Fitter Mount Adaptor for 15W, 35W, and 60W Rectangular Series 1 LED Floodlight. Bronze	843654153308	TZP-68

Surface Mount / Wall Mount Kit
KT-FLED-SM-1-KIT

Round Cover Plate
KT-FLED-RC-4

Wire Guard
KT-FLED-WG-2-KIT

Slip Fitter Mount Adaptor
KT-FLED-SF-1-KIT

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ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	UPC
FL-LED-R1A-35-8CSB-KY	1	843654133522

CATALOG NUMBER BREAKDOWN

FL-LED-R1A-35-8CSB-KY

1 **2** **3 4 5** **6** **7 8 9** **10**

1 **Floodlight**
2 **LED**
3 **Shape**
4 **Series Designation**
5 **Distribution**
6 **Wattage**
7 **80 CRI**
8 **CCT Selectable**
9 **CCT Designation**
10 **Mounting**

2 Shape

R	Rectangular

7 Distribution

A	NEMA 7H × 7V

9 CCT Designation

B	3000/4000/5000K

4 Series Designation

1	General Purpose Floodlight

8 Mounting

UNV	Universal

10 Mounting

K	Knuckle Mount
Y	Yoke Mount

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

FL-LED-R1A-35-8CSB-KY /515P6

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

FL-LED-R1A-35-8CSB-KY

KEYSTONE FIXTURE

CATALOG NUMBER
FL-LED-R1A-35-8CSB-KY

CORD SETS

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