



Project:	Type:
Item. No.	
Location:	
Notes:	

compact 100W LED

flood light



standard features

electrical

- Input operating voltage: 120-277V
- 0-10V dimming
- THD: < 20%
- Power factor > 0.95
- 18" input cable, pre-stripped

lighting source

- LED
- CRI > 80
- Adjustable CCT - 3000K, 4000K, and 5000K

construction

- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens

mounting/installation

- Heavy-duty slip fitter mount and trunnion mount options included

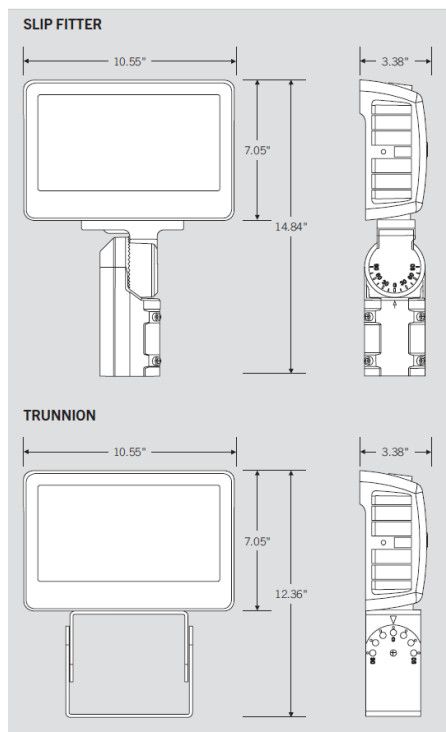
other

- Ambient operating temperature: -40°C/-40°F to 45°C/113°F
- Uniform, wide flood design (NEMA 7h x 7w distribution pattern)
- Built-in dusk-to-dawn photocell behind translucent 3/4" t-threaded plug with anti-yellowing agent
- Meets FCC Part 15, Part B, class A standards for conducted and radiated emissions

warranty/certification

- 5 year warranty
- Fixture impact rating IK07
- UL listed for wet locations, IP65

dimensions



compact 100W LED flood light

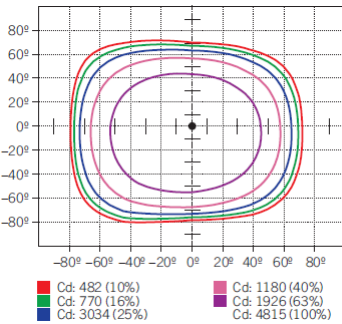
ordering information

catalog number	color temperature	CRI	lumens	watts	lumens/watt	input voltage	power factor	dimming	THD	L70 hours	housing color
FL-LED-R1A-100-8CSB	3000K	>80	12200	100W	122	120-277V	>95%	0-10V	<20%	50,000	bronze
	4000K		14300		143						
	5000K		13400		134						

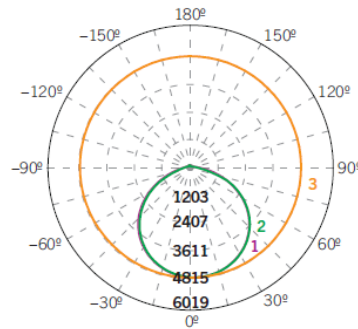
* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

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
Forward Light	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%
Back Light	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%
Up Light	106 lm	0.8%
90°-100°	6 lm	0.0%
100°-180°	100 lm	0.8%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B3 U3 G2

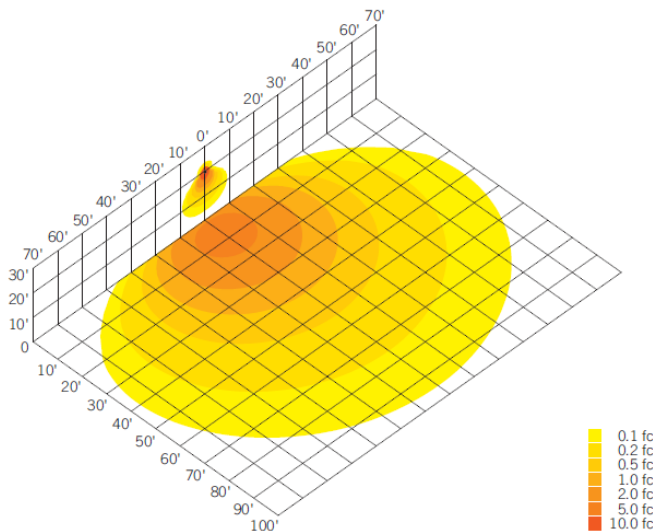
Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B3 U3 G1

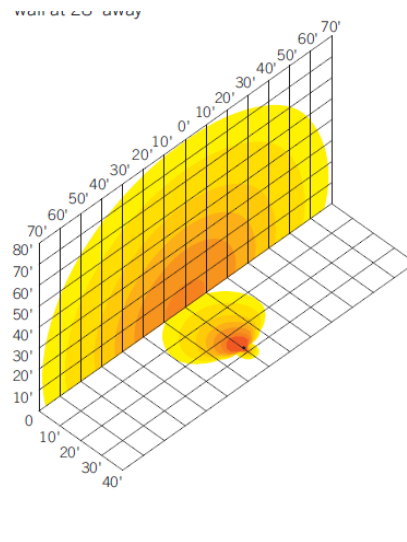
* Backlight, Uplight, Glare

light distribution patterns - isometric view from above

Building exterior mounted at 20', 30°



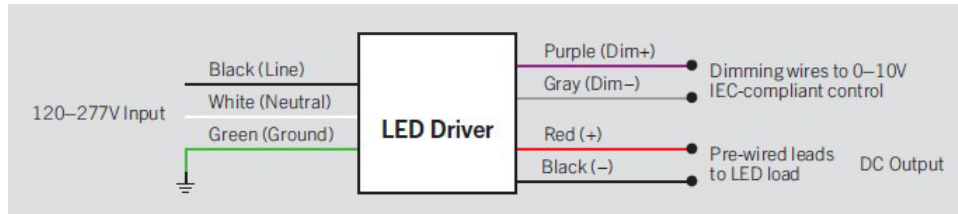
Ground mounted at 6" above ground, 10° above horizontal, shining towards building exterior wall at 28' away



compact 100W LED flood light

general setup instructions

general wiring diagram



CAUTION: Before installing, make certain that AC power 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 illustration 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 illustration to the right). Fixture comes preset at 5000K unless otherwise noted.

