



Color, Wattage, & Beam Angle Selectable LED Flood Light Fixture

DESCRIPTION

Replace existing metal halide flood fixtures with these more efficient color, wattage, and beam angle selectable LED flood fixtures.

FEATURES

- Delivers up to 178 LPW for highly efficient performance
- Replaces up to a 1000W MH fixture
- Trunnion mount adjusts up to 180° (90° up and 90° down)
- Slipfitter adjusts up to 180° (90° up and 90° down)
- Knuckle mount adjusts up to 180°
- 0-10V dimming from highest wattage setting
- 23.62" whip on 35W Max fixtures; 39.97" whip on 150W and 300W Max fixtures
- Integrated photocell for dusk-to-dawn operation (PLT-13614, PLT-13615, PLT-13621 only)
- Optional photocell and shorting cap (PLT-13616 only)
- Light output changes depending on the wattage, color temperature, and beam angle selected; see Selectable Table for full breakdown
- Beam angle can be adjusted using the dial on the top of the fixture; see installation instructions for more information
- Wattage and color temperature can be adjusted using the dip switches on the top of the fixture; see installation instructions for more information

LISTINGS

- UL rated for wet locations
- IP65
- IK06 (PLT-13614 only)
- IK07
- DesignLights Consortium® 5.1 Premium - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

PERFORMANCE

- CRI: >80
- CCT: 3000K, 4000K, 5000K
- Rated lifetime L70: 102,00 (PLT-13621 only), 153,000 hours
- Philips Lumiled LEDs

THERMAL

- -40°F to 122°F (-40 to 50) operating temperature

ELECTRICAL

- THD: ≤20%
- Power Factor: ≥0.9
- Input Voltage: 120-277V
- Surge Protection: 2.5kV (PLT-13614 only), 6kV
- Dimmable power supply (0-10V)

INSTALLATION

- Designed for installation with included mount; see Performance Summary for a full breakdown of which mount is included. For information on how to install these fixtures, see installation instructions.

Project name	Type
Catalog number	
Comments	Voltage
Approved by	Date



CONSTRUCTION

- Die-cast aluminum housing
- Durable polyester bronze powder coating withstands demanding environments
- Clear impact-resistant tempered glass lens

WARRANTY

- 5-year limited warranty; see pltsolutions.com for warranty details

APPLICATIONS

- Safety and Security Lighting
- Sign Lighting
- Building Facades

PERFORMANCE SUMMARY

Item #	Watts*	CCT*	Beam Angle	CRI	Dimming	Voltage	Replaces	Sensor	Mounting	BUG	DLC #	DLC Level
PLT-13614	15/25/35	3000/4000/5000	55°/75°/90°	>80	0-10V	120-277V	100W MH	Photocell (Integrated)	Knuckle	B3-U0-G0	PLTSNG-B111[1;2]1[1;2;blank][7;blank][2;3;4]	5.1 Premium
PLT-13615	100/120/150	3000/4000/5000	55°/75°/90°	>80	0-10V	120-277V	400W MH	Photocell (Integrated)	Trunnion	B5-U0-G1	PLTSNG-B211[1;2]1[1;2;blank][1;2;3;4;5;6;7;blank][1;2;3]	5.1 Premium
PLT-13616	200/240/300	3000/4000/5000	55°/75°/90°	>80	0-10V	120-277V	1000W MH	Photocell & Shorting Cap	Slipfitter	G5-U0-G3	PLTSNG-B311[1;2]1[1;2;blank][1;2;3;4;5;6;blank][1;2;3]	5.1 Premium
PLT-13621	100/120/150/	3000/4000/5000	55°/75°/90°	>80	0-10V	120-277V	400W MH	Photocell (Integrated)	Trunnion	B5-U0-G1	N/A	N/A

*See Selectable Table for full breakdown

SELECTABLE TABLE

SKU	Wattage	Beam Angle	CCT	Lumens	Efficacy
PLT-13614 @ 120V	15	55	3000K	2385	159
			4000K	2465	164
			5000K	2458	164
		75	3000K	2535	169
			4000K	2621	175
			5000K	2620	175
		90	3000K	2587	172
			4000K	2671	178
			5000K	2667	178
	25	55	3000K	3663	147
			4000K	3849	154
			5000K	3769	151
		75	3000K	3816	153
			4000K	4089	164
			5000K	4017	161
		90	3000K	3965	159
			4000K	4171	167
			5000K	4091	164
	35	55	3000K	4607	132
			4000K	4801	137
			5000K	4576	131
		75	3000K	4779	137
			4000K	4989	143
			5000K	4785	137
		90	3000K	5094	146
			4000K	5285	151
			5000K	5006	143

SELECTABLE TABLE

SKU	Wattage	Beam Angle	CCT	Lumens	Efficacy
PLT-13615 @ 120V	100	55	3000K	13,817	138
			4000K	14,838	148
			5000K	14,692	147
		75	3000K	14,720	147
			4000K	15,816	158
			5000K	15,522	155
		90	3000K	15,036	150
			4000K	16,198	162
			5000K	15,928	159
	120	55	3000K	16,228	135
			4000K	17,479	146
			5000K	16,966	141
		75	3000K	17,208	143
			4000K	18,689	156
			5000K	18,086	151
		90	3000K	17,683	147
			4000K	19,162	160
			5000K	18,565	155
	150	55	3000K	18,980	127
			4000K	20,857	139
			5000K	20,060	134
		75	3000K	20,599	137
			4000K	22,356	149
			5000K	21,384	143
		90	3000K	20,743	138
			4000K	22,818	152
			5000K	21,941	146
PLT-13616 @ 120V	200	55	3000K	29,019	145
			4000K	30,445	152
			5000K	30,547	153
		75	3000K	30,426	152
			4000K	31,893	160
			5000K	31,817	159
		90	3000K	30,282	151
			4000K	31,933	160
			5000K	32,130	161
	240	55	3000K	33,737	141
			4000K	35,671	147
			5000K	35,488	148
		75	3000K	35,097	146
			4000K	37,183	155
			5000K	37,063	154
		90	3000K	35,411	148
			4000K	37,365	156
			5000K	37,197	155
	300	55	3000K	41,153	137
			4000K	42,792	143
			5000K	42,103	140
		75	3000K	41,744	139
			4000K	44,526	148
			5000K	43,656	146
		90	3000K	42,207	141
			4000K	44,627	147
			5000K	44,542	147

SELECTABLE TABLE

SKU	Wattage	Beam Angle	CCT	Lumens	Efficacy
PLT-13621 @ 277V	100	55	3000K	13,699	137
			4000K	14,728	147
			5000K	14,459	145
		75	3000K	14,801	148
			4000K	15,888	159
			5000K	15,565	156
		90	3000K	15,282	153
			4000K	16,260	163
			5000K	15,979	160
	120	55	3000K	16,038	134
			4000K	17,344	145
			5000K	16,748	140
		75	3000K	17,326	144
			4000K	18,707	160
			5000K	18,191	152
		90	3000K	17,738	148
			4000K	19,172	160
			5000K	18,680	156
	150	55	3000K	18,956	126
			4000K	20,800	139
			5000K	19,917	133
		75	3000K	20,588	137
			4000K	22,658	151
			5000K	21,657	144
		90	3000K	20,998	140
			4000K	23,094	154
			5000K	22,293	147

DIMENSIONS

PLT-13614

Length – 5.2"

Length (with mount) – 8.7"

Width – 7.1"

Depth – 2.6"

Weight – 13.2 lbs



PLT-13615

Length – 11.8"

Length (with mount) – 12.3"

Width – 7.1"

Depth – 2.6"

Weight – 10.56 lbs



DIMENSIONS

PLT-13616

Length – 10.3"

Length (with mount) – 16.2"

Width – 16.6"

Depth – 8.5"

Weight – 12.98 lbs



PLT-13621

Length – 7.3"

Length (with mount) – 10.9"

Width – 11.2"

Depth – 7"

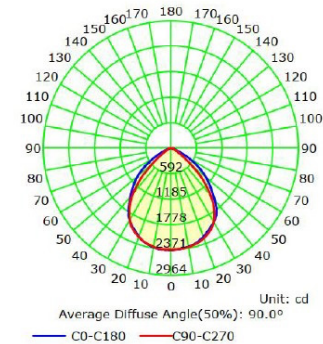
Weight – 10.56 lbs



PHOTOMETRICS

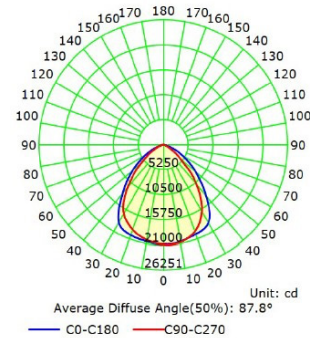
PLT-13614

Luminous Intensity Distribution Curve



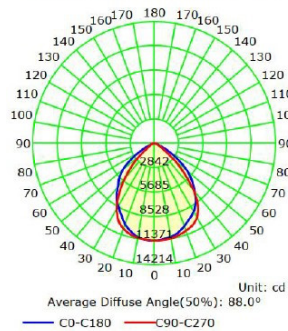
PLT-13616

Luminous Intensity Distribution Curve



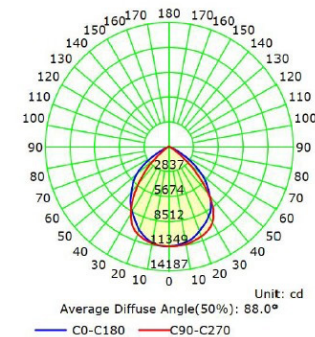
PLT-13615

Luminous Intensity Distribution Curve



PLT-13621

Luminous Intensity Distribution Curve



WARNINGS

- PLT-13616 must have either the photocell or shorting cap installed to ensure safe operation.