PLS1 Series

Petroleum Luminaire Series

Product Description

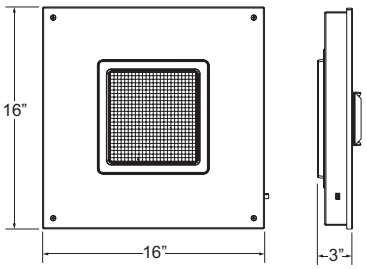
The low profile design of the PLS1 Series Low Glare LED Petroleum luminaire is designed to exceed standards for all petroleum applications with the lowest possible power consumption. The new Low Glare design keeps light pleasant for patrons while maintaining great coverage. The durable and robust design allows for simple installation. Delivering up to 15,193 lumens while only consuming 118 watts, it's the ideal solution for petroleum stations.

Applications: Petroleum station lighting.

Shown with optional Occupancy Sensor

Product Performance

- Wattage Range: 82W-118W
- Input Voltage: 120-277VAC, 277-480VAC
- CCT: 3000K - 5000K
- CRI: Minimum 70 CRI
- UL1598 Compliant
- IP66 Rated
- 5 year Warranty



Fixture Weight: 14 lbs

Ordering Guide

Example: PLS1-DP16050K7-WH-OC1

PLS1-	-DP	XXX	XXK		-XX	-OC1
Series	**Distribution**	**Output Type**	**CCT Code**	**Voltage**	**Fixture Color**	**Options**
PLS1 - 16"	DP - Diffused Canopy	100 - 9,843 Lumens, 82W	30K8 - 3000K, 80 CRI	(Blank) - 120-277V	WH - White	OC1 - Occupancy Sensor
		160 - 15,193 Lumens, 118W	40K7 - 4000K, 70 CRI	UH - 277-480V	BZ - Bronze	SP277 - 10Kv Surge Suppression
			50K7 - 5000K, 70 CRI		SV - Silver	

Accessories (Field installed, order as separate line item)

Accessory Number	Description
PL-TP2424	24" x 24" Beauty Plate Kit (with 4" Center Hole)
PL-TP2626	26" x 26" Beauty Plate Kit (with 4" Center Hole)
PL-TP2632	26" x 32" Beauty Plate Kit (with 4" Center Hole)
PL-JBS01	Junction Box Kit (includes J-Box and Stem)

PLS1 Series

Product Specifications

Construction & Materials
- Powder Coated Aluminum Housing
- UV Stabilized single Polycarbonate Lens
- Robust low profile design with active thermal management
- Petroleum mounting open canopy

Optical System
- DP Lens - Type V Low Glare Medium Canopy Lens

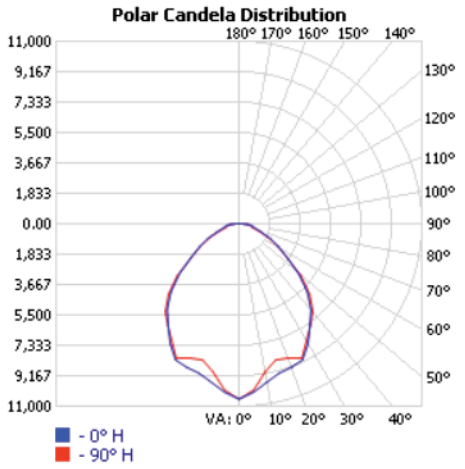
Electrical System
- Input Voltage: 120-277VAC or 277-480VAC
- Power Factor: > 0.95
- Total Harmonic Distortion: ≤10%
- Operating Temperature Range: -40°C to 60°C
- Standard Surge Suppression: 10Kv

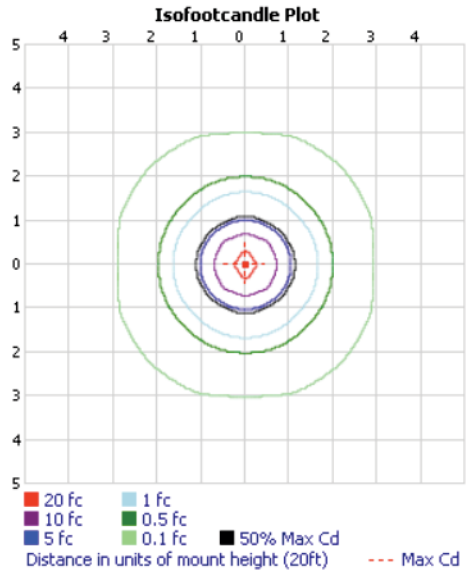
Testing & Certifications
- UL1598, CSA STD.22.2 compliant
- IP66 Rated
- RoHS Compliant
- FCC Compliant
- DesignLights Consortium® Qualified Product

Lumen Maintenance
- L90@ 25C >50,000 hours

Photometry

All published photometric testing data is performed to IESNA LM79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project contact sales@eluminaire.com.





uminaire maintains a tolerance of +/- 7% on flux and power measurem
The information in this document is subject to change without notice.

Diffused Canopy Distribution

Fixture Configuration	Lumens	Lumens Per Watt	Wattage	CCT	CRI	BUG
PLS1-DP-100-30K8-XX	7,953	99	80	3000K	80	B3-U2-G2
PLS1-DP-100-40K7-XX	9,682	120	80	4000K	70	B3-U2-G2
PLS1-DP-100-50K7-XX	9,682	120	80	5000K	70	B3-U2-G2
PLS1-DP-160-30K8-XX	13,166	111	118	3000K	80	B3-U2-G2
PLS1-DP-160-40K7-XX	15,193	128	118	4000K	70	B3-U2-G2
PLS1-DP-160-50K7-XX	15,193	128	118	5000K	70	B3-U2-G2
PLS1-DP-100-30K8-UH-XX	8,597	104	82	3000K	80	B3-U2-G2
PLS1-DP-100-40K7-UH-XX	9,843	120	82	4000K	70	B3-U2-G2
PLS1-DP-100-50K7-UH--XX	9,843	120	80	5000K	70	B3-U2-G2
PLS1-DP-160-30K8-UH-XX	13,030	104	125	3000K	80	B3-U2-G2
PLS1-DP-160-40K7-UH-XX	14,881	120	124	4000K	70	B3-U2-G2
PLS1-DP-160-50K7-UH-XX	14,881	120	124	4000K	70	B3-U2-G2