PORTOR LIGHTING
a PORTOR INDUSTRY brand

PT-AL1 SERIES

LED Area Light

Catalog Number:	Project Name:	Note:	Date:	Type:

DESCRIPTION
Portor's AL1 Area Light Series features energy efficient and provide advanced optical control. The ultra slim profile deliver enhanced performance for general area lighting applications. The robust die-cast housing provides excellent thermal management for longer life and can withstand everyday harsh outdoor environments. The tool-less access to driver makes it easy for maintenance and value add accessories.

Ideal use for parking lots, car dealerships, walkways, school campuses, shopping centers and industrial areas

CONSTRUCTION
Die-Cast aluminum body combine with state of the art heat dissipation and tool-less access to driver housing makes the AL1 a one of a kind area light. Waterproof, built rugged for outdoor harsh condition.

ELECTRICAL
Luminaire is built with the highest quality driver that is Universal Voltage (100V-27V), uses long lasting, high-efficient LED packages. Water resistant LED chips (custom order available for 347V-480VAC driver).

OPTICAL SYSTEM
Comes standard with Type III optics designed to reduce glare and improve light distribution through precision formed lens optics. Type V is optional.

MOUNTING
Multiple mounting options available: Slipfitter, square-pole mount, round-pole mount, wall mount and trunnion mount. Pole options also available.

SENSOR READY
Motion sensor and Photocell sensor available, can do in-house installation.

DIMMING
0-10V dimmable (1-10V dimming on AL1-300W model)

ENERGY SAVINGS
Over 70% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

LISTING
ETL Listed, FCC, RoHS, CE, DLC Premium Listed, IP65 rated with LM79 and LM80 report

WARRANTY
5 year Limited Warranty, Rated for 50,000 hours.
See Warranty documentation for details.

WATTAGE	DELIVERED LUMENS	EFFICACY
100W	15, 526	155 lm/W
150W	24,515	156 lm/W
200W	31,218	160 lm/W
240W	35,569	148 lm/W
300W	45,313	154 lm/W

TECHNICAL SPECIFICATION

CCT	3000K*, 4000K*, 5000K
CRI	80+
DIMMABLE	0-10V dimming
SENSOR	Photocell/Motion Sensor ready
VOLTAGE	100V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.93
THD	≤10%
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	IP65 Wet Location
LIFE SPAN	50,000 hrs
WARRANTY	5 year limited

ORDERING SAMPLE: ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

Series	Wattage	CCT	Voltage	Finish	Distribution	Accessories/Options		
						*Mounting (select one)	Sensor/Photocell	Other
PT-AL1 LED Area Light Series	**100W** **150W** **200W** **240W** **300W****	**30K** (3000K)* **40K** (4000K)* **50F** (5000K) ** special order required*	**LVSG** (100V/277V)	**Blank** (Standard Bronze) **W** (White)	**T3** (Type III) **T5** (Type V)	SF-(W)-AL1 SPM-(W)-AL1 SAM-(W)-AL1 TM-(W)-AL1 RPMA-(W)-AL1	MSA-D PC PC-HV	SP

*** (1-10V dimming)*

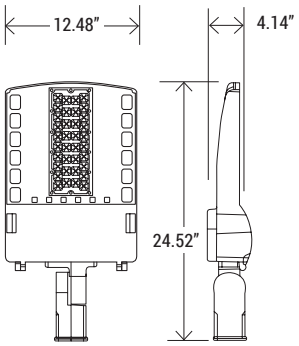
** for white finish, add "-W" on the mounting option*

PT-AL1 SERIES

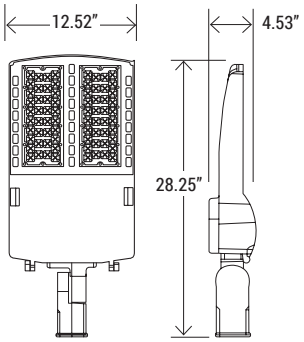
LED Area Light

Catalog Number:	Project Name:	Note:	Date:	Type:

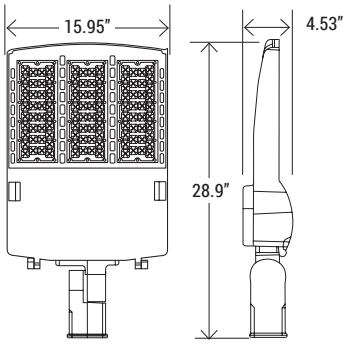
DIMENSION



PT-AL1-100W-5K



PT-AL1-150W-5K / PT-AL1-200W-5K



PT-AL1-240W-5K / PT-AL1-300W-5K

MOUNTING OPTION

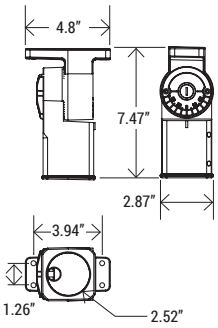
SF -AL1 / SF -W-AL1
Slipfitter

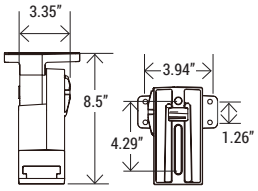
SPM-AL1 / SPM-W-AL1
Adjustable Mount For Square Pole

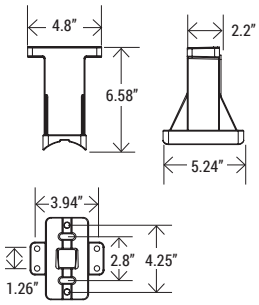
SAM-AL1 / SAM-W-AL1
Straight Arm Mount for Square Pole

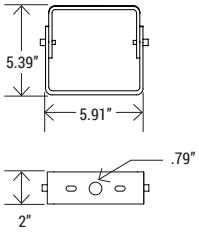
TM-AL1 / TM-W-AL1
Trunnion Mount

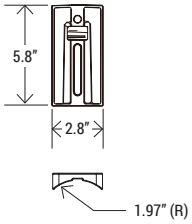
RPMA-AL1 / RPMA-W-AL1
Round Pole Mount Adapter











SENSOR OPTION

MSA-D
Microwave motion sensor

PC
Photocell (120V-277V)

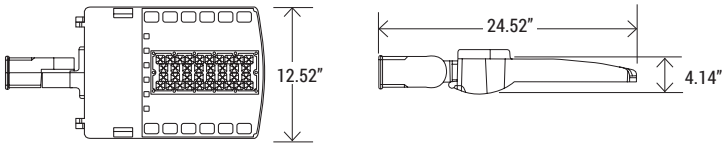
PC-HV
Photocell (480V)

SP
Surge Protector

Catalog Number:	Project Name:	Note:	Date:	Type:

PT-AL1-100W-5K

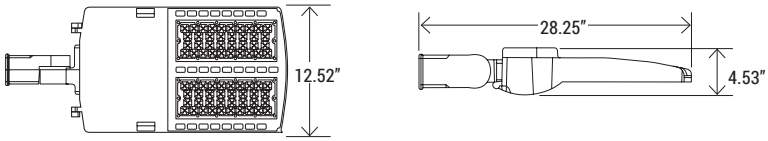
EPA	**0.7 ft²**
Net Weight	11.79 lbs
Gross Weight	13.34 lbs
Dimension	24.52" x 12.48" x 4.14"



CONFIGURATION	1	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA	**0.7 ft²**	**1.4 ft²**	**1.1 ft²**	**1.8 ft²**	**1.65 ft²**	**2.2 ft²**
Net Weight	11.79 lbs	23.58 lbs	23.58 lbs	35.37 lbs	35.37 lbs	47.16 lbs

PT-AL1-150W-5K / PT-AL1-200W-5K

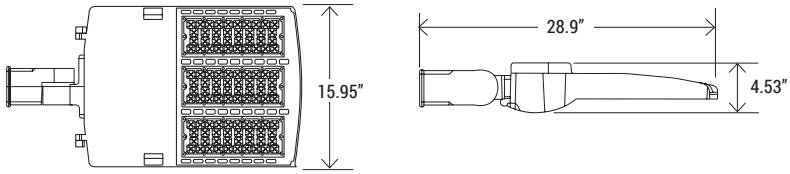
EPA	**0.9 ft²**
Net Weight	12.86 lbs / 17.97 lbs
Gross Weight	19.40 lbs / 19.73 lbs
Dimension	28.25" x 12.52" x 4.53"



CONFIGURATION	1	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA	**0.9 ft²**	**1.8 ft²**	**1.3 ft²**	**2.2 ft²**	**1.95 ft²**	**2.6 ft²**
Net Weight	12.86 lbs / 17.97 lbs	25.72 lbs / 35.94 lbs	25.72 lbs / 35.94 lbs	38.58 lbs / 53.91 lbs	38.58 lbs / 53.91 lbs	51.44 lbs / 71.88 lbs

PT-AL1-240W-5K / PT-AL1-300W-5K

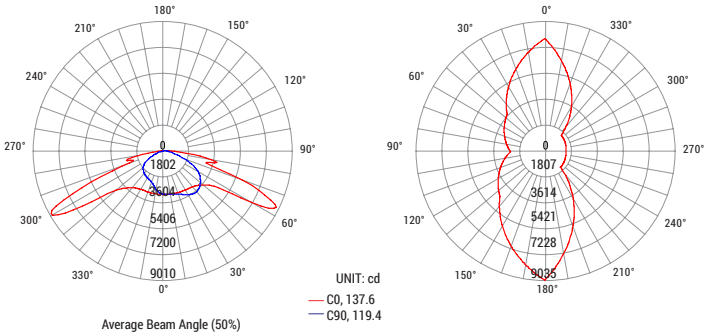
EPA	**0.91 ft²**
Net Weight	22.71 lbs / 25.13 lbs
Gross Weight	24.91 lbs / 27.34 lbs
Dimension	28.9" x 15.95" x 4.53"



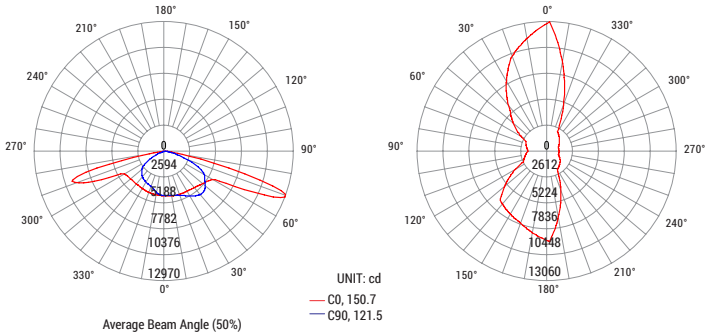
CONFIGURATION	1	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA	**0.91 ft²**	**1.82 ft²**	**1.41 ft²**	**2.32 ft²**	**2.73 ft²**	**2.82 ft²**
Net Weight	22.71 lbs / 25.13 lbs	45.42 lbs / 50.26 lbs	45.42 lbs / 50.26 lbs	68.13 lbs / 75.39 lbs	68.13 lbs / 75.39 lbs	90.84 lbs / 100.52 lbs

Catalog Number:	Project Name:	Note:	Date:	Type:

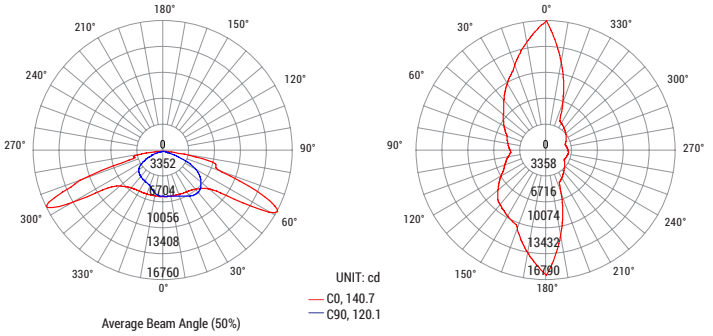
PHOTOMETRY



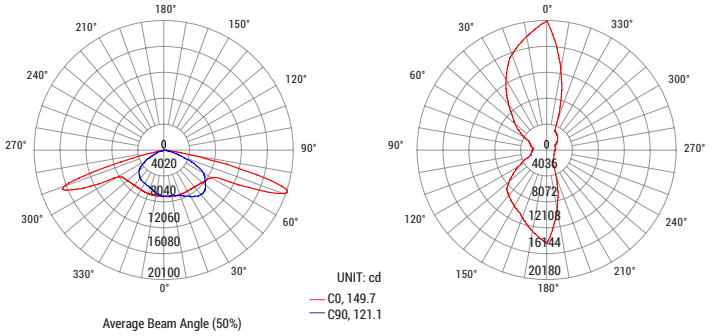
PT-AL1-100W



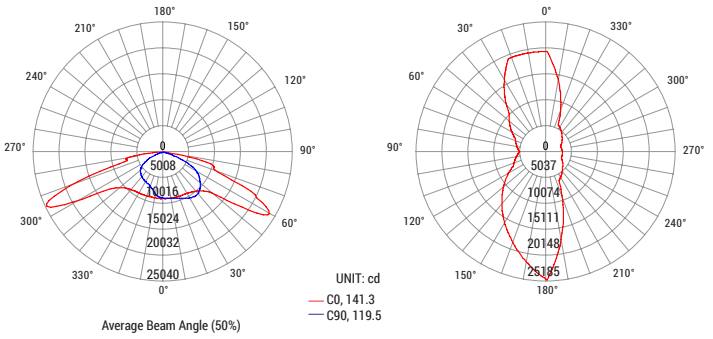
PT-AL1-150W



PT-AL1-200W



PT-AL1-240W



PT-AL1-300W

DLC LISTING

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-AL1-100W-50F-LVSG	100W	15,526	155 lm/W	**PHTYEZUY**	**PREMIUM**
PT-AL1-150W-50F-LVSG	150W	24,515	156 lm/W	**PE58Q9EH**	**PREMIUM**
PT-AL1-200W-50F-LVSG	200W	31,218	160 lm/W	**PJPQ525W**	**PREMIUM**
PT-AL1-240W-50F-LVSG	240W	35,569	148 lm/W	**P7RH8NAF**	**PREMIUM**
PT-AL1-300W-50F-LVSG	300W	45,313	154 lm/W	**P5FZ3B32**	**PREMIUM**