

ORION

LED SPORTS LIGHT

3 POWER SELECTABLE

The Orion LED sports light is an efficient luminaire which performs well under any condition due to its high quality heat sink and its anti-corrosion finish. This luminaire was built with a gasket designed to protect the electrical components against liquid and solid ingress. The Orion is a great solution for any recreational outdoor sports field.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- Die-cast aluminum housing available in a black finish
- High quality heat sink to ensure proper heat dissipation
- Easy access to the power selectable switch located on the top of the luminaire
- Comes with 5ft. of power cable length
- A glare shield and laser pointer are available as accessories
- All configurations come standard with a 7 pin receptacle and shorting cap. 3-pin and 7-pin photocells available as accessories

Mounting

- The luminaire comes with a yoke mounting installed
- Slipfitter (inner Ø 2.44") available as an accessory

Lens/Optics

- Polycarbonate frosted lens is standard for all configurations
- Available in a Nema 3x3 or Nema 5x5 distributions, standard
- Nema 7x7 distribution is available upon request on the 600 W models

PERFORMANCE DATA

- Available in 4 000 K as standard and 5 000 K color temperatures
- 70+ CRI for true color accuracy
- Electrical ratings: 120-347, 120-277 V and 200-480 V
- Estimated life of 150 000 hours to L70
- 0-10 V dimming
- 20 kV surge protection
- Operating temperature: -40 °C to 45 °C [-40 °F to 113 °F]

COMPLIANCE

- cULus listed for Canada and USA
- cULus listed for wet locations
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications
- IP65
- IK08
- NEMA 4X
- 3G vibration resistant in compliance with ANSI/ IEEE C136.31 standard for luminaire vibration

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	140 - 158
WATTS [W]	400/500/600 600/800/1 000	COLOR TEMPERATURE [K]	4 000, 5 000
LUMEN OUTPUT [LM]	57 559 - 88 554 88 154 - 147 425	CRI	70+
          			

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

QUICK SHIP ORDERING GUIDE



PRODUCT NUMBER	WATTS [W]	VOLTS [VAC]	COLOR TEMP. [K] ¹	LUMEN OUTPUT [LM] ²	EFFI- CACY [LM/W]	CRI	LIFE L70 [HRS] ³	TESTED HOURS LM-80 [HRS] ³	NEMA TYPE	BUG	EPA [FT ²] ⁴	LED CURRENT [MA]	FINISH	PHOTO- CELL [YES/NO]	TRAD. EQUI- VALENT [W]	MASTER CASE QTY
ORN-PS600-3	400/500/600	120-347	4 000	57 559/68 674/85 178	140	70+	150 000	10 000	3X3	B5-U0-G1	1.6	126-190	BLACK	NO	1 000	1 000
ORN-PS1000-3	600/800/1 000	200-480	4 000	91 893/119 450/144 977	143	70+	150 000	10 000	3X3	B5-U0-G2	3.3	146-155	BLACK	NO	1 000	1 000
ORN-PS600-5	400/500/600	120-347	4 000	63 067/74 631/88 554	146	70+	150 000	10 000	5X5	B5-U0-G1	1.6	126-190	BLACK	NO	1 000	1 000
ORN-PS1000-5	600/800/1 000	200-480	4 000	88 154/114 520/147 425	145	70+	150 000	10 000	5X5	B5-U0-G2	3.3	140-149	BLACK	NO	1 000	1 000

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

⁴ Sports light positioned at a 0° tilt.

DLC UNIQUE ID TABLE

PRODUCT NUMBER	DLC PREMIUM UNIQUE ID ¹
ORNPS60033240KBKYK	S-TZ713T
ORNPS100031540KBKYK	S-1XFM7L
ORNPS60053240KBKYK	S-814510
ORNPS100051540KBKYK	S-9129K6

¹ Primary Use Designation: Architectural Flood and Spot Luminaires

QUICK SHIP SPECIFICATION TABLE

PRODUCT NUMBER	NEMA TYPE	VOLTS [V]	WATTS [W]	4 000 K				
				LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LED CURRENT [MA]	THD [%]	POWER FACTOR
ORN-PS600-3	3X3	120-347	400	57 559	144	126	3.4-16.9	0.997-0.960
			500	68 674	141	158	3.4-14.0	0.998-0.972
			600	85 178	140	190	3.4-12.3	0.998-0.979
ORN-PS600-5	5X5	120-347	400	63 067	158	126	3.4-16.9	0.997-0.960
			500	74 631	149	158	3.4-14.0	0.998-0.972
			600	88 554	146	190	3.4-12.3	0.998-0.979
ORN-PS1000-3	3X3	200-480	600	91 893	155	430	17.4-20.9	0.979-0.887
			800	119 450	149	580	15.3-19.0	0.986-0.925
			1 000	144 977	143	720	13.5-17.0	0.989-0.942
ORN-PS1000-5	5X5	200-480	600	88 154	149	430	17.4-20.9	0.979-0.887
			800	114 520	146	580	15.3-19.0	0.986-0.925
			1 000	147 425	145	720	13.5-17.0	0.989-0.942

DEFAULT PROGRAMMING

ORN-PS600-3 / ORN-PS600-5: 600 W

ORN-PS1000-3 / ORN-PS1000-5: 1 000 W

PRODUCT FEATURES

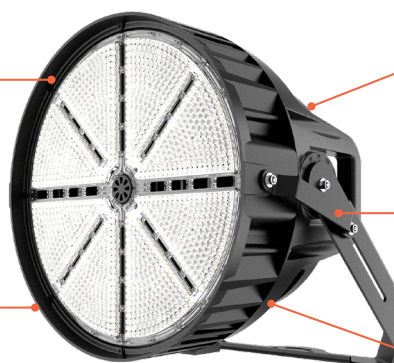
NEMA 4X certified,
suitable for environments with
higher salt concentration

7 Pin Receptacle and Shorting Cap

3G Vibration Rated

5ft. of power cable to better
facilitate the installation

20kV of Surge Protection



ORDERING GUIDE - NON-STOCK ITEMS¹

ORN					BK	YK
SERIES	LUMEN PACKAGE [W]	NEMA TYPE	VOLTS [V]	COLOR TEMPERATURE [K]	CASTING COLOR	MOUNTING OPTION
ORN	PS600 - 400/500/600 W	3 - 3X3	32 - 120-347	50K - 5 000	BK - BLACK	YK - YOKE
		5 - 5X5		40K - 4 000		
		7 - 7X7		50K - 5 000		
	PS1000 - 600/800/1 000 W	3 - 3X3	2 - 120-277	40K - 4 000		
		5 - 5X5		50K - 5 000		
		3 - 3X3		50K - 5 000		
		5 - 5X5	15 - 200-480	50K - 5 000		

¹ Please contact the factory for delivery time

ACCESSORIES (order separately)

PRODUCT NUMBER	TYPE
GS011-S	Glare shield for 600 W
GS011-L	Glare shield for 1 000 W
LZP001	Laser Pointer ²
CAS1012-SLIPFITTER	Slipfitter 600 W-1 000 W ¹
PH0033	3-Pin twist lock photocell
PH0034	7-Pin twist lock photocell

¹ EPA value: 2.17 ft² for 600 W models and 3.85 ft² for 1 000 W models with a 0° tilt

² Laser pointer includes one rechargeable battery and battery recharger



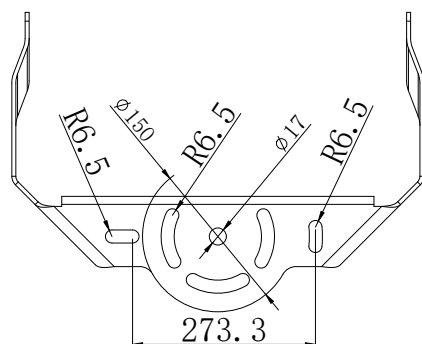
COMPATIBLE DIMMERS¹

BRAND	MODEL
Lutron	DVSTV, NTSTV-DV
Legrand	RH4FBL3PTC

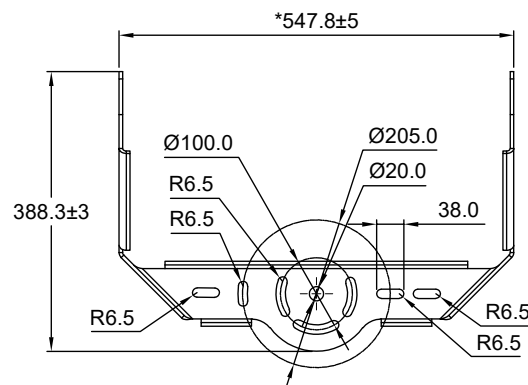
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Aimlite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

DRILLING PATTERNS

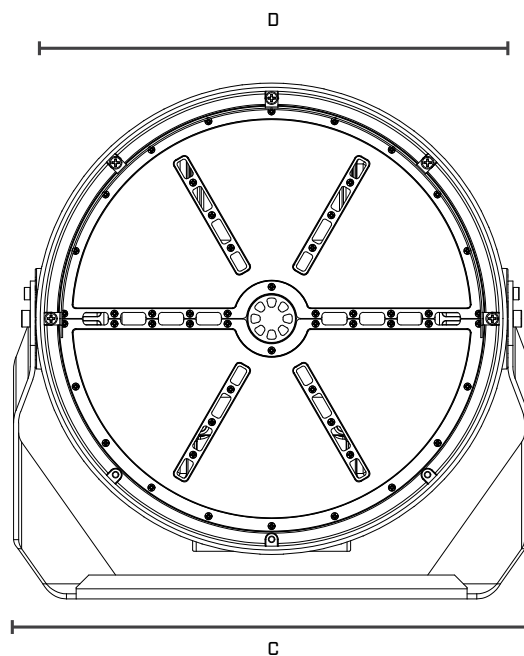
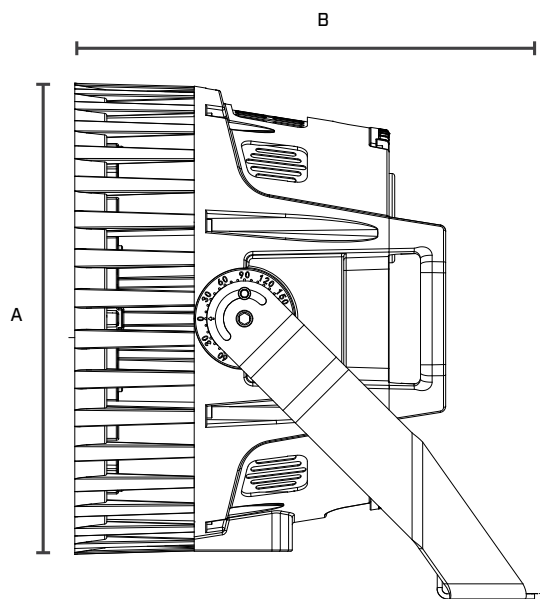
Yoke - 600 W models



Yoke - 1 000 W models



DIMENSIONS AND WEIGHTS

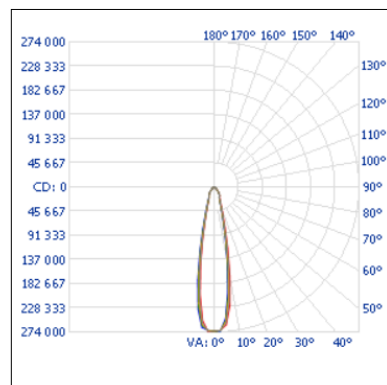


	600 W	1 000 W
A IN. (CM)	14.7 [37.34]	21.3 [54.10]
B IN. (CM)	11.6 [29.46]	14.8 [37.59]
C IN. (CM)	16.2 [41.15]	23.7 [60.20]
D IN. (CM)	14.8 [37.59]	21.5 [54.61]
NET WEIGHT (LBS)	34.17	72.75

PHOTOMETRIC DATA¹

ORN-PS600-3 • 600 W • 4 000 K • NEMA 3X3 • 77 173 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

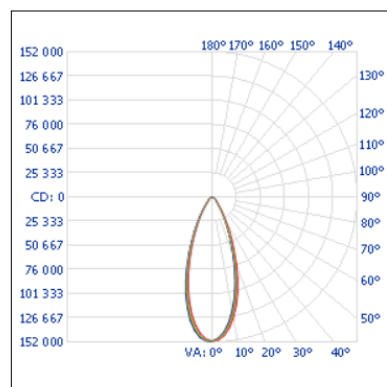
ZONE	LUMENS	% FIXTURE
0-30	54 250.0	70.3
0-40	64 347.8	83.4
0-60	73 506.6	95.2
60-90	3 666.8	4.8
0-90	77 173.4	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
17.0'	943		6.5'	6.7'
34.0'	236		12.9'	13.4'
51.0'	105		19.4'	20.1'
68.0'	58.9		25.9'	26.8'
85.0'	37.7		32.3'	33.4'
102.0'	26.2		38.8'	40.1'
■ Vert. Spread: 21.5° ■ Hor. Spread: 22.3°				

ORN-PS600-5 • 600 W • 4 000 K • NEMA 5X5 • 83 339 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

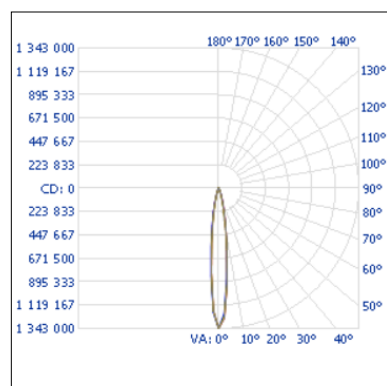
ZONE	LUMENS	% FIXTURE
0-30	61 812.5	74.2
0-40	72 224.3	86.7
0-60	80 644.0	96.8
60-90	2 695.0	3.2
0-90	83 339.0	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
17.0'	523		11.8'	11.8'
34.0'	131		23.6'	23.7'
51.0'	58.1		35.4'	35.5'
68.0'	32.7		47.2'	47.4'
85.0'	20.9		59.0'	59.2'
102.0'	14.5		70.8'	71.1'
■ Vert. Spread: 38.3° ■ Hor. Spread: 38.4°				

ORN-PS1000-3 • 1 000 W • 4 000 K • NEMA 3X3 • 139 886 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	119 327.4	85.3
0-40	125 956.3	90
0-60	135 069.3	96.6
60-90	4 816.8	3.4
0-90	139 886.1	100

ILLUMINANCE AT A DISTANCE

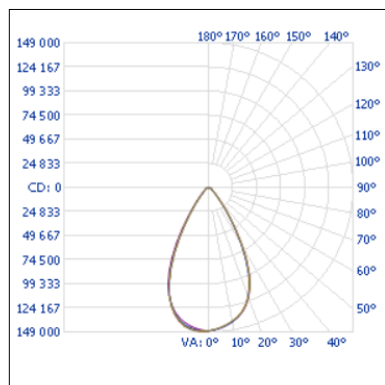
CENTER BEAM FC			BEAM WIDTH	
17.0'	4 645		3.9'	3.9'
34.0'	1 161		7.9'	7.8'
51.0'	516		11.8'	11.7'
68.0'	290		15.7'	15.6'
85.0'	186		19.7'	19.5'
102.0'	129		23.6'	23.4'
Vert. Spread: 13.2° Hor. Spread: 13.1°				

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

ORN-PS1000-3 • 1 000 W • 4 000 K • NEMA 5X5 • 135 095 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	93 866.4	69.5
0-40	117 739.1	87.2
0-60	130 716.6	96.8
60-90	4 378.2	3.2
0-90	135 094.8	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
17.0'	511	18.4'	18.5'
34.0'	128	36.8'	36.9'
51.0'	56.8	55.2'	55.4'
68.0'	32.0	73.5'	73.8'
85.0'	20.5	91.9'	92.3'
102.0'	14.2	110.3'	110.7'

■ Vert. Spread: 56.8° ■ Hor. Spread: 57.0°

¹ Complete IES files available on our website.