



LED SPORTS LIGHT

FOR TENNIS, PICKLEBALL, & BASKETBALL COURTS

OT SERIES



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Rev. date: 2024-06-20

Project Name:

Project Number:

Note:

Date:

OT SERIES LED SPORTS LIGHTING

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300W_{oT} - 420W_{oT}

1000W - 1500W HPS EQUIVALENT

Note:

Features

APPLICATION

Tennis Courts, Pickleball Courts,
Basketball Courts

OPTICS

CCT 3000K, 4000K, 5000K
Efficiency up to 170Lm/W

DRIVER

Standard 0-10V dimmable driver

HOUSING

Die-cast aluminium alloy
IP 65 rating

OPERATIONAL TEMPERATURE

Ambient temperature range: -40°F to +122°F

MOUNTING

Easy and secure mounting to poles
Withstand up to 3G vibration per ANSI C136.31

ELECTRICAL

Power Factor > 90%
THD < 20%
LED lifetime up to L85/100,000 hours at 25°C ambient
Additional surge protection devices are available
Per ANSI/IEEE C62.41.2

CONTROL

Photocell: through 3- & 7-pin receptacle
Dimming Photocell: on/off based on daylight
3 dimming levels (30%, 50%, 70%) with 3 start times (10pm, 12am, 2am) are settable through 10-position selector switch
Motion sensor: multi-level dimming based on motion and/or daylight contribution
Detection height up to 40'; programmer order separately
Wireless Control System: on/off switching, dimming, power metering, light scheduling, status monitoring

WARRANTY

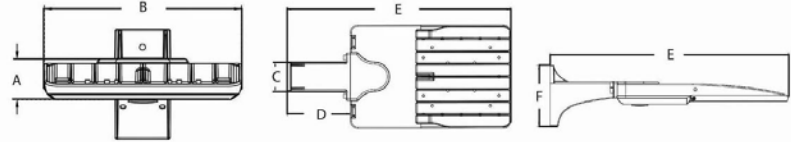
Standard 5-year warranty
Optional 10-year warranty

CERTIFICATIONS/LISTINGS



Lighting design per U.S.T.A recommended illuminance.

Product Dimensions



	300W	420W
A	3"	
B	14"	
C	3"	
D	6.5"	
E	30"	
F	5.9"	
Packaging	25.5"L x 16.7"W x 15"H	25.5"L x 17.3"W x 15.4"H
Net Weight	24 lbs	25.6 lbs
EPA	0.29 ft ²	

Pole Dimensions

Fixture Configuration	Acceptable Outside Pole Dimension					
	Single	2 - 180°	2 - 90°	3 - 90°	3 - 120°	4 - 90°
Square Pole with Type D Bracket	4"-6" O.D.	4"-6" O.D.	4"-6" O.D.	4"-6" O.D.	n/a	4"-6" O.D.
Round Pole with Type D Bracket	4" O.D.	4" O.D.	4" O.D.	4" O.D.	4" O.D.	4" O.D.
Round Pole with Type F Bracket	5" or 6" O.D.	5" or 6" O.D.	5" or 6" O.D.	5" or 6" O.D.	5" or 6" O.D.	5" or 6" O.D.

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Ordering Information

EXAMPLE: 300WoT-NVS-S5-00-4070-T312-A-BZ-10



A	B	C	D	E
Watts	Voltage	LED Chips	Control	CCT and CRI
300 WoT 300W 420 WoT 420W	NVS 100-277V HVS 277-480V	S5	00 Without Sensor PH Photocell PH4 Dimming Photocell SN Motion Sensor Integrated sensor only for 120-277V External sensor for 340-480V WC Wireless Control System	3070 3000K 70 CRI 4070 4000K 70 CRI 5070 5000K 70 CRI 3080 3000K 80 CRI 4080 4000K 80 CRI 5080 5000K 80 CRI

F	G	H	I
Distribution	Mounting	Finish	Option
T312 Tennis T3 Short T322 Tennis T3 Very Short T402 Tennis T4 Short T502 Tennis T5 Short	A Slipfitter B Adjustable Pole Mount C Yoke Mount D Slide & Lock Square/Round Pole Mount F Pole Mount for Round Pole 5" or 6" O.D. G Trunnion Mount	BZ Bronze BK Black WH White SG Silver Gray	10 10-year warranty SPD10 SPD 10KV SPD20 SPD 20KV P3 NEMA 3-pin Receptacle P7 NEMA 7-pin Receptacle FA Field Adjustment HSS House Side Shield BS Bird Spike

Technical Specifications

Model	Watts	Equivalence	Lumen Output		
			3000K	4000K	5000K
300WoT	300W	1000W - 1200W HPS	47,150	49,661	48,899
420WoT	420W	1500W HPS	62,357	65,098	65,342



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Mounting

TYPE A
Slipfitter



TYPE B
Adjustable Pole Mount



TYPE C
Yoke Mount



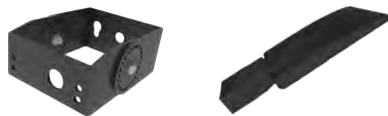
TYPE D
Pole Mount for
Square Pole 4"-6" O.D.
& Round Pole 4" O.D.



TYPE F
Pole Mount for
Round Pole 5" or 6" O.D.



TYPE G
Trunnion Mount



Mounting Examples

Double Slide & Lock Mount



Double Slipfitter Mount



Accessory

House Side Shield

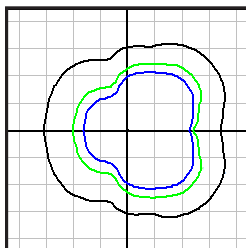


Photometrics

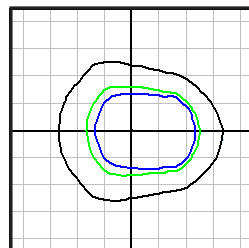
Black 0.1 fc Green 0.5 fc Blue 1 fc

The plot is in units of mounting height of 25'.

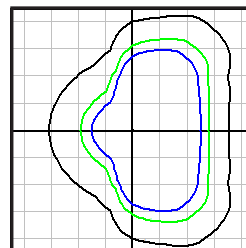
Tennis T312



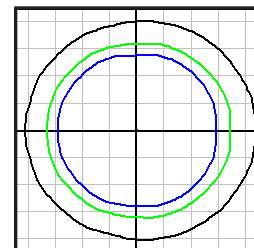
Tennis T322



Tennis T402



Tennis T502



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