

DESCRIPTION

The SWOA Series universal switchable area luminaire offers performance and durability with a sleek one-piece die-cast aluminum and high efficacy of up to 160 lumens per watt. It not only features field switchable power (14,500 to 49,000 lumens) and CCT (3000K-4000K-5000K) it also allows for field switchable distributions between Type III, IV, and V to cater to diverse lighting needs while maintaining zero uplift to eliminate light pollution. The SWOA provides incredible versatility with its control capabilities (built-in aux receptacle) and includes an adjustable universal arm in the box that can be mounted to 4" or 5" round or square poles, slipfit over a 3" tenon or be wall-mounted. To further enhance project flexibility, we also offer several other options and accessories, including shields, mounts and 480V capability. The SWOA Series is an excellent lighting solution for a wide range of outdoor applications such as parking lots, pathways, and building facades.

SPECIFICATIONS

Construction:

- Slim/sleek die-cast aluminum housing with stainless steel hardware and powder coat finish
- Integral heat sink fins maximize heat dissipation
- Hinged driver access door for ease of maintenance
- Universal adjustable arm included standard that can be mounted to 4" or 5" round or square poles, slipfit over a 3" tenon or be wall-mounted
- Slotted bolt pattern suitable for retrofit to most existing drill hole patterns
- Includes (2) 6' conductor whips (3 conductor for building power supply and 2 conductor for dimming leads)

Optics/LEDs:

- 100 to 300 Watts with field-switchable lumen packages from 14,500 to 48,000 lumens
- Designed with zero uplift to eliminate light pollution
- Efficiencies up to 160 LPW maximize energy savings and utility rebates
- Field-switchable distribution between Type III, IV and V to optimize light distribution
- Field-switchable CCT between 3000K, 4000K and 5000K
- L70 ≥ 72,000 hours
- L90 ≥ 65,000 hours
- CRI >80

Electrical:

- Class 1 power supply, 120-277VAC, 50/60Hz
- 0-10V Dimming driver
- Power Factor ≥ 0.90
- 277-480VAC Dedicated driver option
- 10KA(@120-277V) or 20KA(@277-480V) Surge protection

Installation:

- Hinged driver door for ease of access (coin plugs on the driver door provides ease of access to dipswitches for power, CCT and distribution selectability)
- Standard universal adjustable arm included that can be mounted to 4" or 5" round or square poles, slipfit over a 3" tenon or be wall-mounted

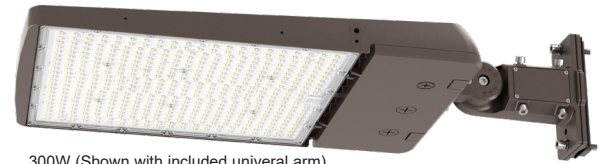
Options:

- 3-Pin Twist Lock receptacle (Option PC3)
- 7-Pin Twist Lock receptacle (Option PC7)

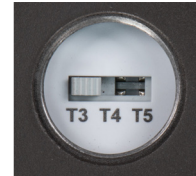
Field Installed Accessories:

- 3-Pin Twist Lock universal photocontrol (120-277VAC) for dusk to dawn lighting control (TLPR)
- 7-Pin Twist Lock universal photocontrol (120-277VAC) for dusk to dawn lighting control (TLPR7)
- 3-Pin Twist Lock universal photocontrol (347-480VAC) for dusk to dawn lighting control (TLPRH)
- Bluetooth enabled dimming occupancy sensor ([LE-MS3W-BL-AUX-HB1](#)), PIR, 120/277VAC
- Dimming occupancy sensor (TL-MSP12-BL), PIR, with photocontrol, 120/277VAC
- Multiple contractor friendly accessories available, see ordering information

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____



300W (Shown with included universal arm)



SWITCHABLE DISTRIBUTION



SWITCHABLE POWER & CCT



INCLUDES UNIVERSAL ARM



Specs at a Glance

Model	SWOA-150	SWOA-300
Wattage*	100W-120W-150W (Switchable)	200W-240W-300W (Switchable)
Lumens (lm)	14,500 - 24,000	29,000 - 48,000
Efficacy (LPW)	up to 160	
Distribution	Type 3, 4, 5 (Switchable)	
CCT (K)	3000K-4000K-5000K (Switchable)	
CRI	>80	
Input Voltage	120-277VAC or 277-480VAC	
Operating Temp	-40°C to 50°C (-40°F to 122°F)	
Certifications	UL Listed for Wet Locations, IP65, DLC PREMIUM	
Warranty	5 Years	
Weight	10.6 lbs	14.4 lbs

* Nominal Wattage, tested at 4000K CCT. See performance table for details.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

Testing & Compliance:

- cULus Listed for Wet Locations, tested to meet IP65 requirements
- DesignLights Consortium® (DLC) PREMIUM Qualified (consult QPL for qualified models)
- Operating temperature: -40°C to 50°C (-40°F to 122°F)
- 3G Vibration rated enclosure
- International Dark Sky (IDA) friendly approved product. (Compliant only with a fixed downlight mount) and with factory installed SWOA-DSFA module locking CCT to 3000K

Warranty:

- Five Year Warranty (Terms and Conditions Apply)
- 10 Year Warranty available upon request, consult factory

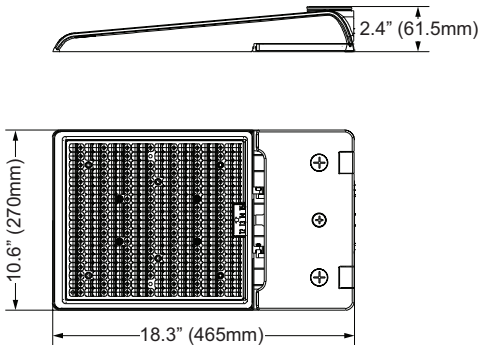
ORDERING INFORMATION (Example: SWOA-300-SD345-VS-CP-BR-U-PC3)

Series	Wattage	Distribution	Input Voltage	CCT	Finish	Mount
SWOA	150 = 100-150W 300 = 200-300W	SD345 = T3/T4/T5 Switchable	HVS ¹ = 277-480VAC VS = 120-277VAC	CP = CCT & Power Switchable	BR = Bronze XX ¹ = Other Finishes	U = Universal Mount
Options (Factory Installed)			LiteLogic Accessories³ (Field Installed - Order As Separate Line Item)			
PC3 = 3-Pin Twist Lock Receptacle			LE-MS3W-BL-AUX-HB1 = Bluetooth PIR Motion Sensor with Photocontrol, Black			
PC7 ² = 7-Pin Twist Lock Receptacle			TL-MSP12-BL = Dimming Occupancy Sensor, PIR, Black Finish			
			TL-MSSW-REMOTE = Remote for Sensor			
			TLPR = 120-277VAC 3-Pin Twist Lock Photocontrol and Receptacle			
			TLPR7 = 120-277VAC 7-Pin Twist Lock Photocontrol and Receptacle			
			TLPRH = 347-480VAC 3-Pin Twist Lock Photocontrol and Receptacle			
			Accessories^{1,3} (Field installed, order as separate line item)			
Notes			SWOA-GS1-XX = Glare Shield, Up to 150W (XX = BL; Black, BR; Bronze, SV; Gray Alum, WH; White)			
¹ Longer lead times may apply, consult factory			SWOA-GS2-XX = Glare Shield, 200 to 300W (XX = BL; Black, BR; Bronze, SV; Gray Alum, WH; White)			
² Not available with HVS option			SWOA-FM1-XX = Flood Mount, Up to 150W (XX = BL; Black, BR; Bronze, SV; Gray Alum, WH; White)			
³ Order as separate line item - Shipped in separate box for final installation in the field			SWOA-FM2-XX = Flood Mount, 200 to 300W (XX = BL; Black, BR; Bronze, SV; Gray Alum, WH; White)			
⁴ Required for Dark Sky compliance			SWOA-FWM-XX ⁴ = Fixed Wall Mount, Up to 300W (XX = BL; Black, BR; Bronze, SV; Gray Alum, WH; White)			
			SWOA-DSFA ⁴ = Factory installed module to lock CCT to 3000K for Dark Sky IDA Compliance			

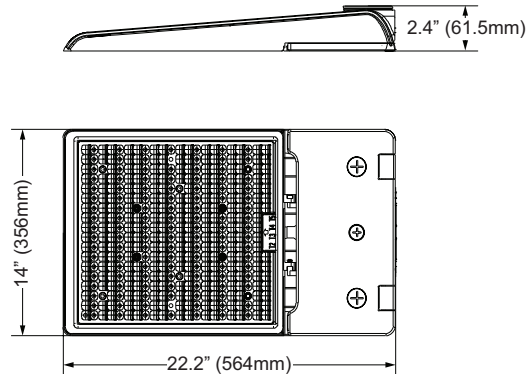
PERFORMANCE DATA

Model	Wattage	CCT	Distribution	Lumens	LPW	BUG Rating	CRI	DLC Categories
SWOA-150-SD345-VS-CP-BR-A (100W, T3, 4000K)	100W	4000K	Type III	16000lm	160 lm/W	B3-U0-G3	80	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires, Architectural Flood and Spot Luminaires
SWOA-150-SD345-VS-CP-BR-A (100W, T4, 4000K)	100W	4000K	Type IV	16500lm	165 lm/W	B3-U0-G3	80	
SWOA-150-SD345-VS-CP-BR-A (100W, T5, 4000K)	100W	4000K	Type V	16000lm	160 lm/W	B4-U0-G4	80	
SWOA-150-SD345-VS-CP-BR-A (120W, T3, 4000K)	120W	4000K	Type III	19000lm	158 lm/W	B3-U0-G3	80	
SWOA-150-SD345-VS-CP-BR-A (120W, T4, 4000K)	120W	4000K	Type IV	19800lm	165 lm/W	B4-U0-G4	80	
SWOA-150-SD345-VS-CP-BR-A (120W, T5, 4000K)	120W	4000K	Type V	19000lm	158 lm/W	B4-U0-G4	80	
SWOA-150-SD345-VS-CP-BR-A (150W, T3, 4000K)	150W	4000K	Type III	23250lm	155 lm/W	B4-U0-G4	80	
SWOA-150-SD345-VS-CP-BR-A (150W, T4, 4000K)	150W	4000K	Type IV	24000lm	160 lm/W	B4-U0-G4	80	
SWOA-150-SD345-VS-CP-BR-A (150W, T5, 4000K)	150W	4000K	Type V	23250lm	155 lm/W	B4-U0-G4	80	
SWOA-300-SD345-VS-CP-BR-A (200W, T3, 4000K)	200W	4000K	Type III	32000lm	160 lm/W	B4-U0-G4	80	
SWOA-300-SD345-VS-CP-BR-A (200W, T4, 4000K)	200W	4000K	Type IV	33000lm	165 lm/W	B4-U0-G4	80	
SWOA-300-SD345-VS-CP-BR-A (200W, T5, 4000K)	200W	4000K	Type V	32000lm	160 lm/W	B5-U0-G5	80	
SWOA-300-SD345-VS-CP-BR-A (240W, T3, 4000K)	240W	4000K	Type III	37500lm	156 lm/W	B4-U0-G5	80	
SWOA-300-SD345-VS-CP-BR-A (240W, T4, 4000K)	240W	4000K	Type IV	38400lm	160 lm/W	B5-U0-G5	80	
SWOA-300-SD345-VS-CP-BR-A (240W, T5, 4000K)	240W	4000K	Type V	37500lm	156 lm/W	B5-U0-G5	80	
SWOA-300-SD345-VS-CP-BR-A (300W, T3, 4000K)	300W	4000K	Type III	46500lm	155 lm/W	B4-U0-G5	80	
SWOA-300-SD345-VS-CP-BR-A (300W, T4, 4000K)	300W	4000K	Type IV	48000lm	160 lm/W	B5-U0-G5	80	
SWOA-300-SD345-VS-CP-BR-A (300W, T5, 4000K)	300W	4000K	Type V	46500lm	155 lm/W	B5-U0-G5	80	

DIMENSIONS (150W)

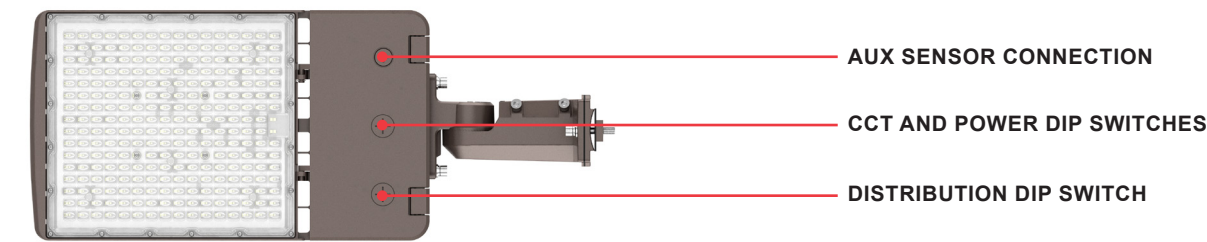


DIMENSIONS (300W)

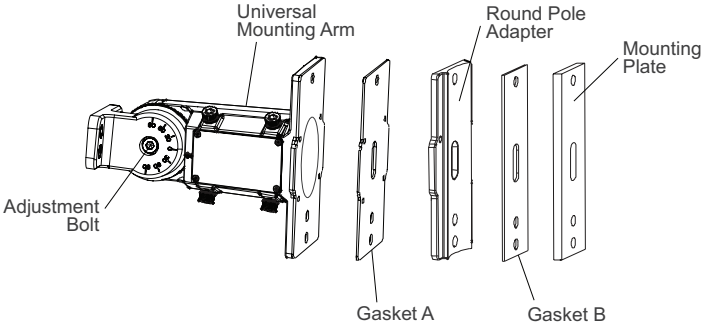


Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group installation instructions.
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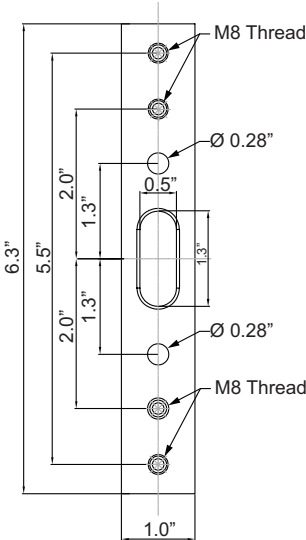
DETAILS - SWITCH LOCATION



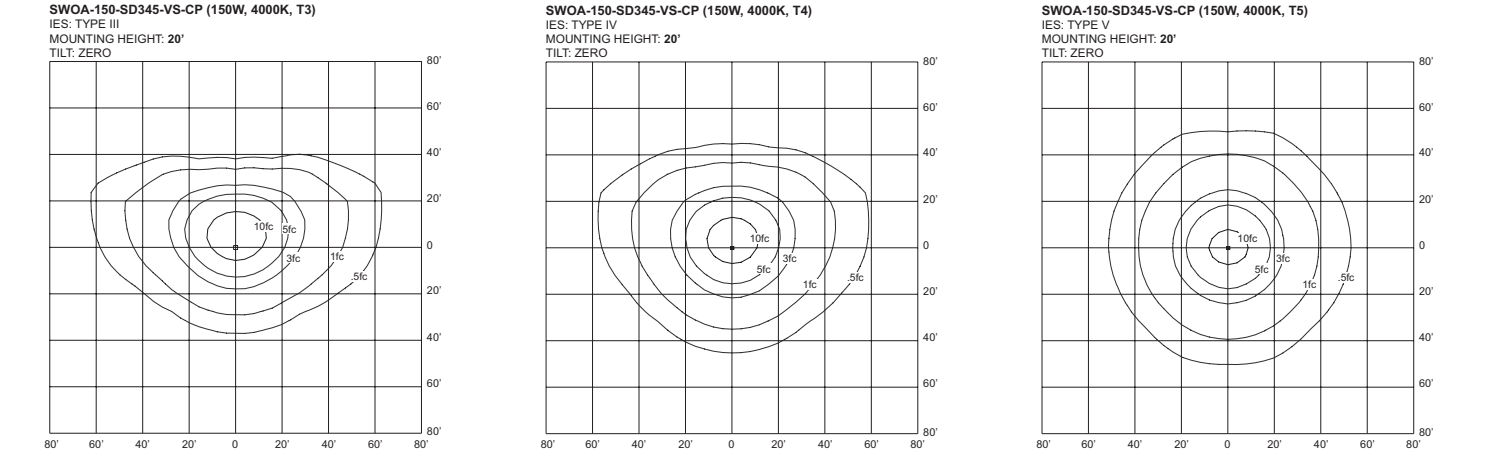
DETAILS - UNIVERSAL ARM



DRILLING TEMPLATE (Std Mount)



SAMPLE PHOTOMETRY



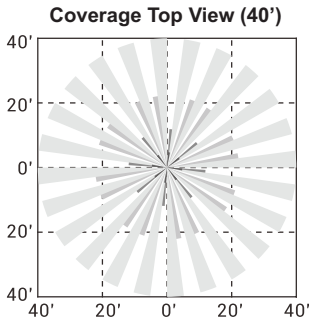
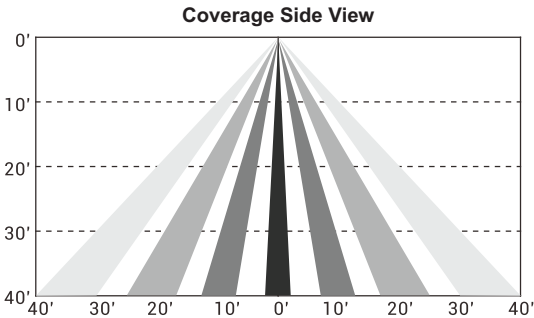
EPA VALUES

Model	1	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
150W	1.4	1.77	2.94	2.94	4.26
300W	1.62	2.08	3.38	3.38	3.38

SENSOR DETAILS - BLUETOOTH ENABLED (Accessory LE-MS3W-BL-AUX-HB1)



LE-MS3W-BL-AUX-HB1



SEE APP FOR
SENSOR SETTINGS

For a complete list of *litelogic* compatible products, [click here](#).



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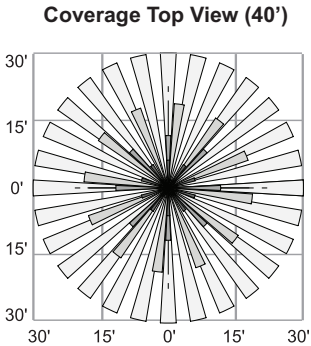
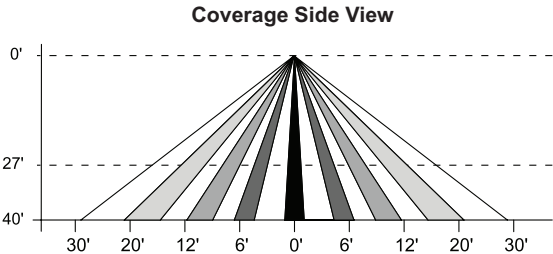
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SENSOR DETAILS (Accessories TL-MSP12-BL and TL-MSSW-REMOTE)



TL-MSP12-BL



SENSOR SETTINGS (TL-MSSW-REMOTE)

DETECTION RADIUS/ANGLE	MAX 60'/360°
MOUNTING HEIGHT	MAX 40'
REMOTE RANGE	MAX 33'
FREQUENCY	5.8 GHz
HIGH MODE	70%, 80%, 90%, 100% (DEFAULT 100%)
SENSITIVITY	20%, 50%, 75%, 100% (DEFAULT 100%)
HOLD TIME	10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min (DEFAULT 5min)
DAYLIGHT HARVESTING	, (disabled), 10Lux, 30Lux, 50Lux, 100Lux, 150Lux, 200Lux, 300Lux (DEFAULT disabled)
STANDBY DIM SETTING	0, 10%, 20%, 30%, OFF (∞), (DEFAULT 30%)
STANDBY TIME SETTING (TO OFF)	ON (disabled), 1min, 30min, 60min (DEFAULT 30min)



TL-MSSW-REMOTE Accessory
(Sold Separately)

ACCESSORIES (Sold separately for field installation)



Glare Shield, Up to 150W
SWOA-GS1
(Sold Separately)



Glare Shield, 200 to 300W
SWOA-GS2
(Sold Separately)



Flood Mount, Up to 150W
SWOA-FM1
(Sold Separately)



Flood Mount, 200 to 300W
SWOA-FM2
(Sold Separately)

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POLE TOP ARMS

	RT2-90-2-BR Round pole 90° tenon - 2 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, two arms, 90°. Bronze finish.		RT2-120-3-BR Round pole, 120° tenon - 3 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, three arms, 120°. Bronze finish.
	RT2-180-2-BR Round pole 180° tenon - 2 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, two arms, 180°. Bronze finish.		RT2-90-4-BR Round pole, 90° tenon - 4 arms Vertical steel tenon adaptor to mount over a 2-3/8" round pole, four arms, 90°. Bronze finish.
	RT2-90-3-BR Round pole 90° tenon - 3 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, three arms, 90°. Bronze finish.		

TENON ADAPTORS

	ST4-BR Square tenon 4" 2-3/8" O.D. steel tenon adaptor to fit into 4" square pole. Includes 4x 5/16" hex stainless steel bolts. Bronze finish.		RT4-BR Round tenon 4" 2-3/8" O.D. steel tenon adaptor to fit over 4" round pole. Not suitable for tapered poles. Includes 3x 3/8" hex stainless steel bolts. Bronze finish.
	ST5-BR Square tenon 5" 2-3/8" O.D. steel tenon adaptor to fit into a 5" square pole. Includes 4x 5/16" hex stainless steel bolts. Bronze finish.		RT5-BR Round tenon 5" 2-3/8" O.D. steel tenon adaptor to fit over 5" round pole. Not suitable for tapered poles. Includes 3x 3/8" hex stainless steel bolts. Bronze finish.
	YM-T-BR Yoke mount tenon adaptor 2-3/8" O.D. steel tenon adaptor for use with yoke mount accessory. Bronze finish.		

WALL MOUNT ADAPTORS

	WM-T-90-BR Wall mount 90° tenon 2-3/8" O.D. steel tenon adaptor with 90° arm for wall mount applications, for use with slipfitter accessory. Bronze finish. 3-1/4" Spacing between mounting holes.		WM-T-S-BR Wall mount straight tenon 2-3/8" O.D. steel tenon adaptor arm for wall mount applications, for use with slipfitter accessory. Bronze finish.
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