

GRAL06	Cat. #		SELSETM LIGHTING PRODUCTS
	Job	Type	
	Approvals		



Medium Size: 100W/150W/200W



Large Size: 300W/350W



MOUNTING

- » Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- » Wall Mount available for direct wall mounting and J-box mounting
- » Optional for cast aluminum slipfitter mounting adapter (Compatible with more Solidus mounting adaptors such as Tenon, suits for various application)

MOUNTING OPTIONS



Arm Mount (4" and 5" Square and Round poles)

Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



Slipfitter Mount

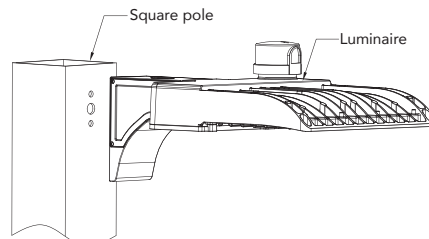
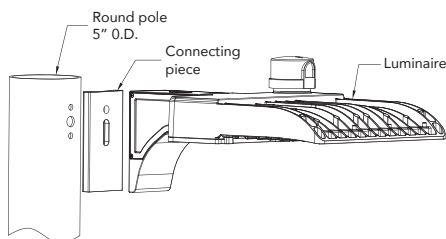
An optional cast aluminum mast arm adapter secures fixture head to nominal 2" (2-3/8" O.D. pipe size) horizontal steel tenon arm.



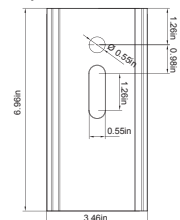
Wall Mount

Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

MOUNTING DIMENSIONS



Drilling Template



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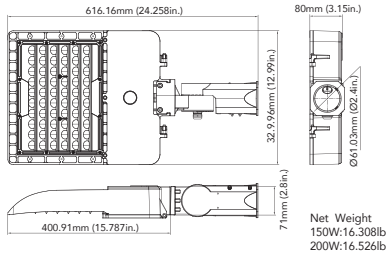


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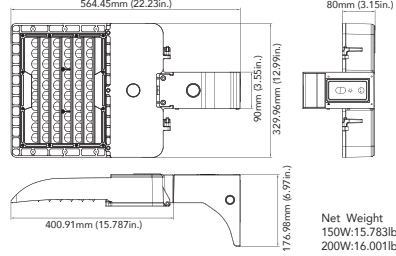
DIMENSIONS

unit: mm/inch

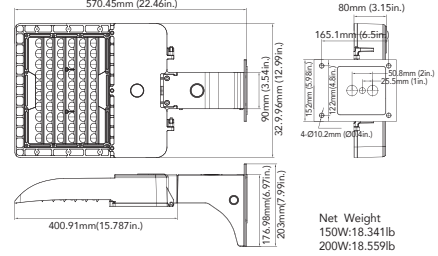
Slipfitter Mount (100W/150W&200W)



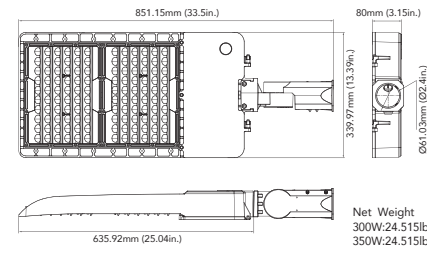
Pole Mount (100W/150W&200W)



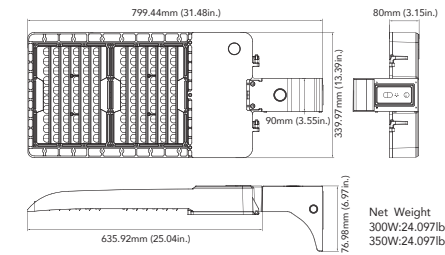
Wall Mount (100W/150W&200W)



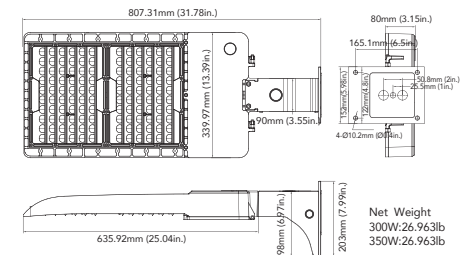
Slipfitter Mount (300W&350W)



Pole Mount (300W&350W)

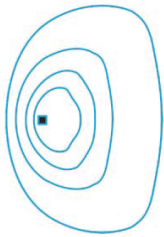


Wall Mount (300W&350W)



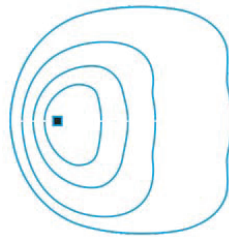
PHOTOMETRICS

Solibus offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.



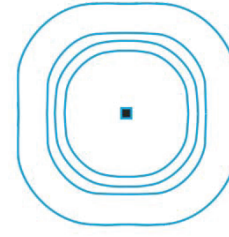
Type 3:

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



Type 4:

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



Type 5:

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications.

EPA OF AREA LIGHT

Item	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W/150W/200W	0.4418	0.7145	0.8813	0.8836	1.0548	1.0135	1.0548
300W/350W	0.5614	0.8471	1.105	1.1228	1.294	1.2503	1.294



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PERFORMANCE DATA			4000K (70CRI)		5000K (70CRI)	
SYSTEM WATTS	VOLTAGE	DIST. TYPE	LUMENS	LPW	LUMENS	LPW
100W	120-277V	3	14600lm	146 lm/W	14800lm	148 lm/W
	120-277V	4	14100lm	141 lm/W	14200lm	142 lm/W
	120-277V	5	14900lm	149 lm/W	14900lm	149 lm/W
150W	120-277V	3	21600lm	144 lm/W	22000lm	147 lm/W
	347-480V		22000lm	147 lm/W	23000lm	153 lm/W
	120-277V	4	20700lm	138 lm/W	21150lm	141 lm/W
	347-480V		21150lm	141 lm/W	21750lm	145 lm/W
	120-277V	5	22000lm	147 lm/W	23000lm	153 lm/W
	347-480V		23000lm	153 lm/W	23150lm	154 lm/W
200W	120-277V	3	27800lm	139 lm/W	28000lm	140 lm/W
	347-480V		28000lm	140 lm/W	28500lm	143 lm/W
	120-277V	4	27400lm	137 lm/W	27600lm	138 lm/W
	347-480V		27600lm	138 lm/W	28200lm	141 lm/W
	120-277V	5	28200lm	141 lm/W	28400lm	142 lm/W
	347-480V		28400lm	142 lm/W	29000lm	145 lm/W
300W	120-277V	3	43500lm	145 lm/W	44000lm	147 lm/W
	347-480V		43500lm	145 lm/W	44000lm	147 lm/W
	120-277V	4	42300lm	141 lm/W	42500lm	142 lm/W
	347-480V		42500lm	142 lm/W	42900lm	143 lm/W
	120-277V	5	43500lm	145 lm/W	43800lm	146 lm/W
	347-480V		43800lm	146 lm/W	44100lm	147 lm/W
350W	120-277V	3	50000lm	143 lm/W	50350lm	144 lm/W
	347-480V		50000lm	143 lm/W	50350lm	144 lm/W
	120-277V	4	49350lm	141 lm/W	49700lm	142 lm/W
	347-480V		49700lm	142 lm/W	50750lm	145 lm/W
	120-277V	5	50750lm	145 lm/W	51100lm	146 lm/W
	347-480V		51100lm	146 lm/W	52150lm	149 lm/W

ELECTRICAL DATA

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	2600	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
1	3900	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
		150	347	0.43
		150	480	0.31
1	5100	200	120	1.67
		200	208	0.96
		200	240	0.83
		200	277	0.72
		200	347	0.58
		200	480	0.42
1	6000	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63
1	6200	350	120	2.92
		350	208	1.68
		350	240	1.46
		350	277	1.26
		350	347	1.01
		350	480	0.73



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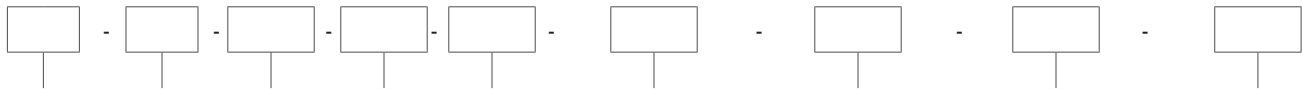
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Applications: Auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores and other public areas.

FEATURES

- » Rugged one-piece, die-cast aluminum housing secures the thermally conductive
- » LED panel and electrical chamber
- » Low profile, 3G vibration rated compact design minimizes wind load requirements
- » Housing is completely sealed against moisture and environmental contaminants
- » Available in IES Type III, IV, V distributions
- » Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations
- » Scalable Lumen Packages from 14,100 to 52,150 Lumens replaces up to 1000W Metal Halide
- » Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing
- » For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed
- » The optics can conform to dark sky requirement
- » Universal 120-277 VAC or 347-480 VAC input voltage
- » Standard with 0-10V dimming driver(s)
- » THD: ≤20%
- » Power Factor: ≥90%
- » Optional occupancy sensor
- » Optional PhotoCell
- » Ambient operating temperature -40°C to 45°C (-40°F to 113°F)
- » Suitable for mounting heights ranging from 26-50' in area lighting applications
- » Round pole, Square pole, slipfitter and wall mount are available
- » The design can be operated by one person to install the whole lamp
- » Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations
- » It's available in black or optional dark bronze, silvery gray or white
- » Solidus warrants that our LED products will be free from defects
- » in materials and workmanship for a period of five (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish
- » Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C(±5°C) specifications subject to change without notice

ORDER MATRIX



FIXTURE TYPE	WATTAGE	VOLTAGE	CCT	FINISH	PHOTOCELL (Option)	SENSOR (Option)	MOUNTING	PHOTOCELL
GRAL06	100 100W	27V 120-277V	40K 4000K	D Dark Bronze	P0 120-277V Photocell	M With 120-277V Sensor	SQ Square Pole Mount	T3 TYPE III Photometry
	150 150W	48V 347-480V	50K 5000K	B Black	P3 347V Photocell	Blank Without Sensor	SP Slipfitter Mount	T4 TYPE IV Photometry
	200 200W			W White	P4 480V Photocell		WM Wall Mount	T5 TYPE V Photometry
	300 300W			SG Silver Gray	Blank Without Photocell			
	350 350W							

Note: 100W is limited to 120-277V only.



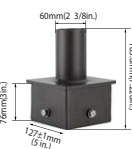


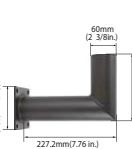
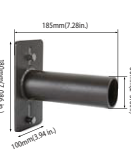


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POLE BRACKET • For mounting one fixture on an existing pole

	<p>4" Square Pole Mount with 2-3/8" O.D. Tenon No. 4SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>4" Round Pole Mount with 2-3/8" O.D. Tenon NO. 4SQR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>5" Square Pole Mount with 2-3/8" O.D. Tenon No. 5SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>5" Round Pole Mount with 2-3/8" O.D. Tenon NO. 5SQR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>Pole Bracket accessories-Tenon & Yoke Adaptor NO. SP-TR-D Finish: Dark Bronze USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount MILLS light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the MILLS Flood Light Series of light fixtures.</p>		
<p align="center">WALL BRACKET • Attaches to any flat surface • Provides wiring access</p>		<p align="center">MID-POLE TENON BRACKET</p>	
	<p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon NO. WM-SP-D Finish: Dark Bronze USE: The 90° wall mount bracket with 2-3/8" tenon attaches an MILLS floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p>2-3/8" OD Horizontal Tenon Mid-Pole Bracket NO. SQ-SP-D Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slipfitter onto a 2-3/8" OD horizontal tenon</p>

ROUND EXTERNAL MOUNT HORIZONTAL TENON • To mount 2/3/4 fixtures on a existing pole

	<p>Double 90° Horizontal Tenon Adaptor NO. R60-SP2-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		<p>Triple 120° Horizontal Tenon Adaptor NO. R60-SP3-120-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>
	<p>Double 180° Horizontal Tenon Adaptor NO. R60-SP2-180-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		<p>Quad 90° Horizontal Tenon Adaptor NO. R60-SP4-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>
	<p>Triple 90° Horizontal Tenon Adaptor NO. R60-SP3-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		



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