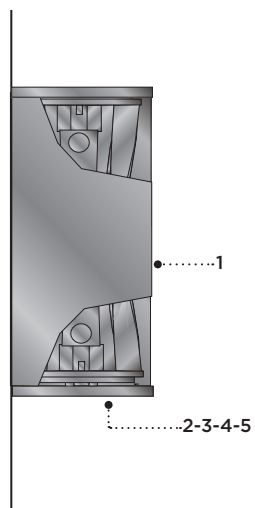


TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

FIXTURE      SUFFIX      REFLECTOR      VOLTAGE      FINISH      OPTION      OPTION      OPTION



- 1- Extruded aluminum housing.
  - 2- Fully sealed cast aluminum up and down light assembly.
  - 3- Sealed cast aluminum lens frame.
  - 4- Clear tempered glass lens.
  - 5- Faceted specular aluminum reflector.
- All stainless steel hardware.



### MATERIALS

**Syrios Square LED** is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. The main housing is made of seamless extruded aluminum, with an integrally sealed LED light module designed for optimal heat dissipation, and lighting performance. **Syrios Square LED** SQ502 series is offered standard with 29° optic. See options section for alternate selection.

### ELECTRICAL

**DRIVER** Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -30°C/-22°F to 55°C/131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

**LED** Standard 4000K /80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

### LIFE

60,000hrs  $L_{70}B_{50}$  (based on IESNA TM-21 Test Method and LM-80 data). Up to 95,000hrs  $L_{70}B_{50}$  (calculated projection from LM-80 data).

### FINISH

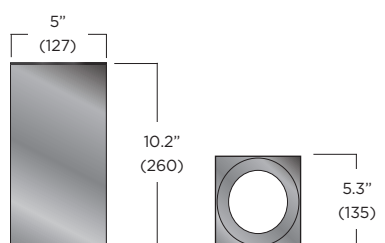
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

### MOUNTING

Maximum weight: 4.3lbs (2kg)  
The mounting plate is designed to fit on a: 4" (102) octagonal electrical box using 3 1/2" (89) C/C mounting holes or 2x4" (51x102) rectangular electrical box using 3.156" (80) C/C mounting holes.


### CERTIFICATION

Tested to UL1598 and CSA 22.2 #250. ETL listed wet location. Rated IP66. CE Certification on request.



# SQ502 SERIES SYRIOS SQUARE - LED

## LUMINAIRE SELECTION

MODEL#	LED LIGHT SELECTION					REFLECTORS*	VOLTAGE	FINISH
 <input type="checkbox"/> SQ502	<b>SUFFIX</b>	<b>INPUT WATTS</b>	<b>DELIVERED LUMENS</b>	<b>CRI</b>	<b>CCT °K</b>	<input type="checkbox"/> <b>R30</b> Flood optics 29° (standard) <input type="checkbox"/> <b>R40</b> Wide flood optics 42° <small>*All reflector options listed above must be selected independently for uplight &amp; downlight. Add U (for uplight) and D (for downlight) to suffix. (i.e. R40U-R26D is 42° uplight and 29° downlight)</small>	<input type="checkbox"/> 120V <input type="checkbox"/> 277V	<b>STANDARD COLORS</b> <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne (Refer to color chart)  <b>OPTIONAL COLORS</b> <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color  <b>NATATORIUM SUITED COLORS</b> <input type="checkbox"/> NWHT White <input type="checkbox"/> NBKT Black
	<input type="checkbox"/> L2L10	25W	1849	80	4000			
	<b>AMBER LED</b>							
<input type="checkbox"/> L2L1K2A	22W	247	AMBER			<input type="checkbox"/> <b>R9</b> Very narrow optics 9° Field angle 21° (12,018 candela)		
<b>VERY NARROW DISTRIBUTION</b>								
<input type="checkbox"/> L2L5NR	21W	1078	80	4000				

## OPTIONS

### ELECTRICAL

- FS** Fuse
- DS** Dual circuit switching (independent uplight & downlight control)
- REML2-50** 7W remote emergency battery backup for LED, 90 min Remote mount 50ft - 12" (305) square enclosure with access cover<sup>1</sup>

### MOUNTING

- SWK** Adaptor box for surface 3/4" conduit feed

### ACCESSORIES

All options listed below must be selected independently for uplight & downlight. Add U (for uplight) and D (for downlight) to suffix.

- SL** Solite lens
- LSL** Linear spread lens

### LIGHT & OPTICS

Alternate CCT °K LED (LCF: Lumen conversion factor)

- 2K27** 2700K CCT 80 CRI (LCF: 0.91)<sup>2</sup>
- 2K3** 3000K CCT 80 CRI (LCF: 0.94)
- 2K35** 3500K CCT 80 CRI (LCF: 0.983)<sup>2</sup>

NOTE: Other CCT & higher CRI available, please consult factory.

### NOTES

- 1- The remote enclosure must be interior. Battery powers downlight module, unless otherwise requested (only one module is powered by the emergency battery).
- 2- Please consult factory when selecting 2K27 or 2K35 in conjunction with R9 (very narrow optics)

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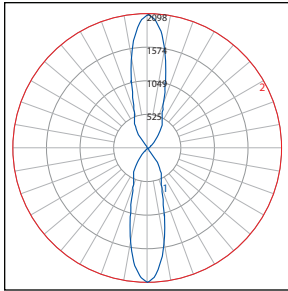
Luminaires may be altered for design improvement or discontinued without prior notice.

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June 2019 Rev.0

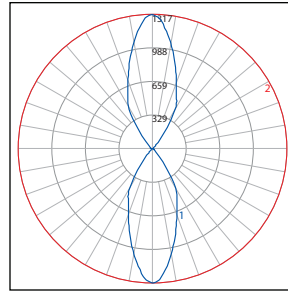
# SQ502 SERIES SYRIOS SQUARE - LED

## TYPICAL PHOTOMETRY SUMMARY



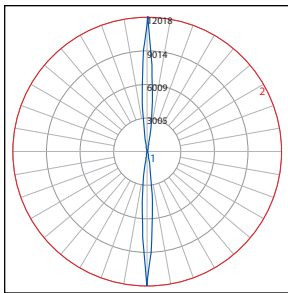
### Descriptive Information

SQ502-L2L10-R30  
 Total Lms: 1849 Lumens  
 Total Input Watts: 25 W  
 Efficacy: 74 Lumens/Watt  
 BUG: B1-U4-G0  
 CCT/CRI: 4000K/80  
 Maximum Candela: 2098 @ 0 deg



### Descriptive Information

SQ502-L2L10-R40  
 Total Lms: 1693 Lumens  
 Total Input Watts: 25 W  
 Efficacy: 68 Lumens/Watt  
 BUG: B1-U4-G0  
 CCT/CRI: 4000K/80  
 Maximum Candela: 1317 @ 0 deg



### Descriptive Information

SQ502-L2L15NR-R9  
 Total Lms: 1078 Lumens  
 Total Input Watts: 21 W  
 Efficacy: 50 Lumens/Watt  
 BUG: B1-U4-G0  
 CCT/CRI: 4000K/80  
 Maximum Candela: 2018 @ 0 deg

Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data.