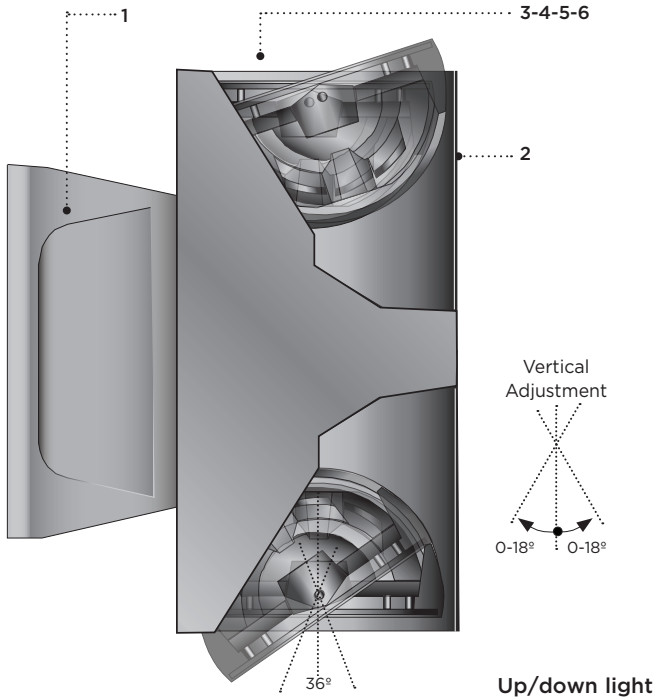


TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE SUFFIX REFLECTOR VOLTAGE FINISH OPTION OPTION OPTION

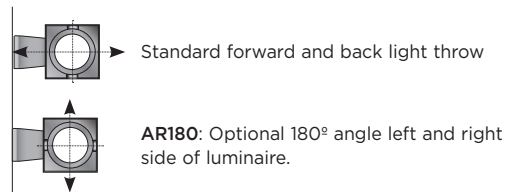


- 1- Cast aluminum driver housing. Includes galvanized steel wall mount pressure plate.
- 2- Seamless extruded aluminum housing.
- 3- Fully sealed cast aluminum up/down light assembly.
- 4- Sealed cast aluminum lens frame.
- 5- Clear tempered glass lens.
- 6- Faceted specular aluminum reflector.

All stainless steel hardware.



Syrios Square LED light module is designed with a tilting mechanism allowing forward and back light adjustability. The $\pm 18^\circ$ directional module allows to aim the light beam in the desired direction, without disturbing the luminaire mounting. The module can be secured using the built in locking mechanism.



Other adjustment factory set positions are available. Please consult factory.

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** is standard with a unique proprietary design allowing the sealed LED module to tilt within the housing. **Syrios Square LED** SQ802 series is offered standard with 28° 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 $-40^\circ\text{C}/-40^\circ\text{F}$ to $55^\circ\text{C}/131^\circ\text{F}$, 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 135,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

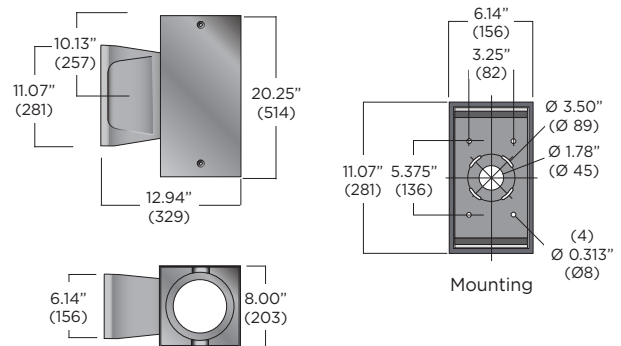
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

MOUNTING

Maximum weight: 35.3lbs (16kg)
The mounting plate is designed to fit on a 4" (102) octagonal electrical box using 3 1/2" (89) C/C mounting holes. Additional mounting holes are provided as per site requirements.


CERTIFICATION

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



SQ802 SERIES SYRIOS SQUARE - LED

LUMINAIRE SELECTION

MODEL#	LED LIGHT SELECTION					REFLECTORS*	VOLTAGE	FINISH
 <input type="checkbox"/> SQ802	SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT °K	<input type="checkbox"/> R15 Narrow optics 12° <small>(not available on L2L70)</small> <input type="checkbox"/> R30 Flood optics 28° <small>(standard)</small> <input type="checkbox"/> R40 Wide flood optics 38° <input type="checkbox"/> R55 Wide flood optics 55° <small>*All reflector options listed above must be selected independently for uplight & downlight. Add U (for uplight) and D (for downlight) to suffix. (i.e. R55U-R30D is 55° uplight and 28° downlight)</small>	<input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V	STANDARD COLORS <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 <small>(Refer to color chart)</small> OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color NATATORIUM SUITED COLORS <input type="checkbox"/> NWHT White <input type="checkbox"/> NBKT Black
	<input type="checkbox"/> L2L20 43W <input type="checkbox"/> L2L35 81W <input type="checkbox"/> L2L50 110W <input type="checkbox"/> L2L70 146W	4315 7144 10713 13840	80 80 80 80	4000 4000 4000 4000				
	AMBER LED <input type="checkbox"/> L2L4K2A 21W	869	AMBER					
	VERY NARROW DISTRIBUTION					<input type="checkbox"/> R9 Very narrow optics 9° Field angle 21° (57,588 candela)		
	<input type="checkbox"/> L2L25NR 88W	5245	80	4000				

OPTIONS

ELECTRICAL

- FS** Fuse
- PH** Photocell¹
- 347L** Step down transformer for 347V input
- DS** Dual circuit switching (independent uplight & downlight control)
- MS** PIR Motion sensor (Device is located at bottom of luminaire wall box)
- REML2-50** 7W remote emergency battery backup for LED, 90 min Remote mount 50ft - 12" (305) square enclosure with access cover²

MOUNTING

- SWK** Adaptor box for surface 3/4" conduit feed (4 sides plus back entry)

ACCESSORIES

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

- HL** Hexcell louver
- SL** Solite lens
- LSL** Linear spread lens (Asymmetric lens distribution is achieved when light module is tilted)

LIGHT & OPTICS

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

- 2K27** 2700K CCT 80 CRI (LCF: 0.91)³
- 2K3** 3000K CCT 80 CRI (LCF: 0.94)
- 2K35** 3500K CCT 80 CRI (LCF: 0.983)³

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

- AR180** Light module with side to side adjustment

NOTES

- 1- Photocell (PH) not available with REML2-50 option.
- 2- The remote enclosure must be interior. Battery powers downlight module, unless otherwise requested (only one module is powered by the emergency battery).
- 3- Please consult factory when selecting 2K27 or 2K35 in conjunction with R9 (very narrow optics)

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260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

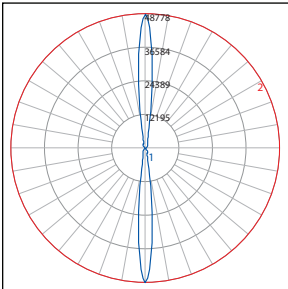
Luminaires may be altered for design improvement or discontinued without prior notice.

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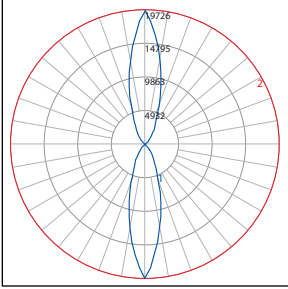
June 2019 Rev.0

SQ802 SERIES SYRIOS SQUARE - LED

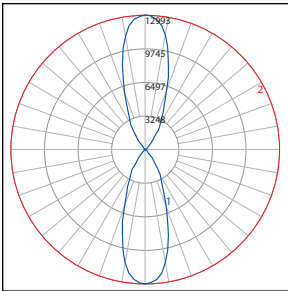
TYPICAL PHOTOMETRY SUMMARY



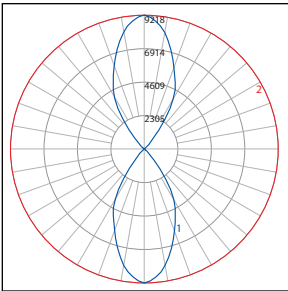
Descriptive Information
 SQ802-L2L50-R15
 Total Lms: 9056 Lumens
 Total Input Watts: 110 W
 Efficacy: 82 Lumens/Watt
 BUG: B3-U5-G0
 CCT/CRI: 4000K/80
 Maximum Candela: 48778 @ 0 deg



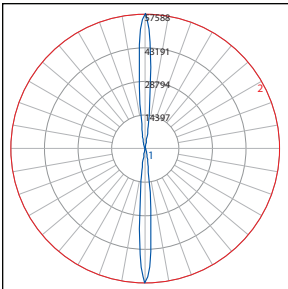
Descriptive Information
 SQ802-L2L70-R30
 Total Lms: 13840 Lumens
 Total Input Watts: 146 W
 Efficacy: 95 Lumens/Watt
 BUG: B4-U5-G0
 CCT/CRI: 4000K/80
 Maximum Candela: 19726 @ 0 deg



Descriptive Information
 SQ802-L2L70-R40
 Total Lms: 13147 Lumens
 Total Input Watts: 146 W
 Efficacy: 90 Lumens/Watt
 BUG: B4-U5-G0
 CCT/CRI: 4000K/80
 Maximum Candela: 12993 @ 0 deg



Descriptive Information
 SQ802-L2L70-R55
 Total Lms: 14003 Lumens
 Total Input Watts: 146 W
 Efficacy: 96 Lumens/Watt
 BUG: B4-U5-G0
 CCT/CRI: 4000K/80
 Maximum Candela: 9218 @ 0 deg



Descriptive Information
 SQ802-L2L25NR-R9
 Total Lms: 5245 Lumens
 Total Input Watts: 88 W
 Efficacy: 60 Lumens/Watt
 BUG: B3-U5-G0
 CCT/CRI: 4000K/80
 Maximum Candela: 57588 @ 0 deg

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

