# BEGA

**77 265**

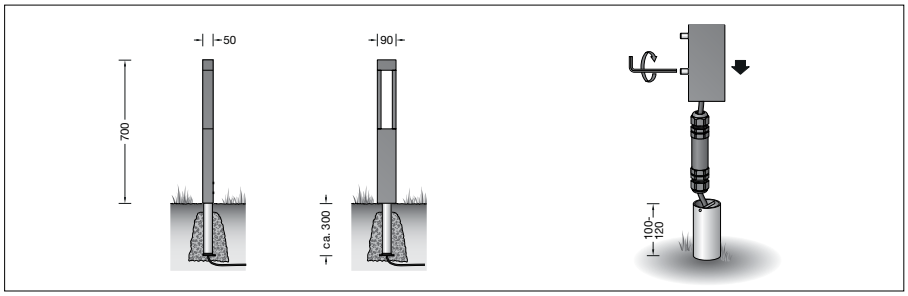
Garden and pathway luminaire

IP 65

Project · Reference number

Date

## Product data sheet




**Application**
LED garden and path luminaire with directed light for effective illumination in private gardens.

**Product description**
Luminaire made of aluminium alloy, aluminium and stainless steel
Clear safety glass
Silicone gasket
Luminaire with anchorage unit for fixing in the soil
The anchorage unit is made of galvanised steel according to EN ISO 1461
Line connector for mains supply cable up to ø 13 mm · max. 3 × 2,5□
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-264 V
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK06
Protection against mechanical impacts < 1 joule
– Safety mark
CE – Conformity mark
Weight: 2.8 kg

**Inrush current**
Inrush current: 7 A / 112 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 38 luminaires
B 16 A: 61 luminaires
C 10 A: 64 luminaires
C 16 A: 102 luminaires

**Lamp**

| | |
|---|---|
| Module connected wattage | 4.2 W |
| Luminaire connected wattage | 5.3 W |
| Rated temperature | $t_a$ = 25 °C |
| Ambient temperature | $t_{a\,max}$ = 50 °C |

**77 265 K3**

| | |
|---|---|
| Module designation | 2x LED-0234/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 560 lm |
| Luminaire luminous flux | 171 lm |
| Luminaire luminous efficiency | 32,3 lm/W |

**Service life of the LED**
Ambient temperature $t_a$ = 25 °C
– at 407,000 h: L 70 B 50

max. ambient temperature $t_a$ = 50 °C
– at 91,000 h: L 70 B 50

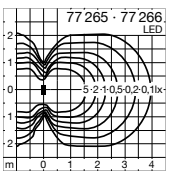
**Light technique**
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page www.bega.com.
Recommended light point interval 4 m.

**Article No. 77 265**
Colour graphite or silver
graphite – article number
silver – article number + **A**

**Accessories**
Distribution box for installation in soil
**70 730** Distribution box with 7 cable entries
Connection terminals 5 x 4□
**71 053** Distribution box with 10 cable entries
Connection terminals 6 x 16□

See the separate instructions for use.

**Light distribution**



LITHONIA LIGHTING®

| Catalog Number | |
|---|---|
| Notes | |
| Type | |

# AFFINITY®

**Die-Cast Architectural Emergency Light**

# AFN

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring low-profile, attractive emergency lighting.

**CONSTRUCTION** — Compact, low-profile, architectural design with die-cast aluminum housing. Available finishes are texturized polyester powder coat paint in brushed nickel, white, black and dark bronze. All finishes can be painted in the field to match the wall color of choice.

U.S. Patent No. D468,046.

**OPTICS** — Standard optics provided with two 6W wedge-base xenon lamps offer 55 percent more light output than standard incandescent lamps. Patent-pending reflector/refractor design features superior vac-metalized, die-casted reflectors; and multi-faceted, highly transmissive refractor that significantly improve photometrics.

Forward throw (FWD) option optics provided with two high-brightness white LEDs (10.8W total), projecting an NFPA-101 compliant path 3' wide and 28' forward, when mounted 8-1/2' AFF. The typical life of the LED lamp is 10 years.

**All light sources meet requirements for NEC 700.16.**

Low-profile, integrated test switch/pilot light located below the lens.

Easily visible green status indicator.

**ELECTRICAL** — Dual-voltage input capability (120/277V).

Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Edge connectors on printed circuit board ensure long-term durability.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Thermal protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

Filtered charger input minimizes charge voltage ripple and extends battery life.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Battery: Sealed, maintenance-free lead-calcium battery provides 12W rated capacity. Nickel-cadmium battery with Premium and Exterior option packages.

Automatic 48-hour recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Single-circuit battery connection.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80 percent of nominal.

EXT option package includes 20-minute time delay for supplemental lighting during HID startup.

**Self-diagnostics (PREM and EXT option packages)**

**Patented Electronics - U.S. Patent No. D468,046 and 6,502,044.**

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

White

Brushed Nickel

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

Postpone automatic test initiates eight hour delay of an automatic test by activating the manual test switch.

**INSTALLATION** — Universal J-box mounting pattern. Rigid conduit entry provision on top of the unit.

**LISTINGS** — UL Listed. Wet locations and cold temperature (EXT) listed. Damp location (PREM) listed. Wet location (WL) option available with PREM package. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. UL labeled.

**WARRANTY** — 3-year limited warranty (Battery is prorated). FWD (LED light source) 5-year limited warranty (Battery is prorated). Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

**Note**: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

## ORDERING INFORMATION

For shortest lead times, configure product using **bolded options.**

**Example**: AFN W EXT

| **AFN** | | | | | |
|---|---|---|---|---|---|
| **Series** | | **Finish** | | **Options** | |
| **AFN** | AFFINITY Series die-cast architectural emergency lighting | **W** | White | **(blank)** | Features lead calcium battery |
| | | B | Black | PREM | Features ni-cad battery, self-diagnostics and damp location 32°F to 122°F (0°C to 50°C) |
| | | BN | Brushed nickel | **EXT** | Features high-temperature ni-cad battery listed from 0°F to 122°F (-18°C to 50°C), self-diagnostics, time delay; listed for cold weather, damp and wet location |
| | | **DB** | Dark bronze | FWD | Forward throw optics with LED light source, 10.8W |
| | | | | WL | Wet location with time delay listed from 32°F to 122°F (0°C to 50°C) [1] |

| **Accessories:** *Order as separate catalog number.* [2] | |
|---|---|
| ELA AFNR DB | Remote fixture (less batteries and electronics) to be powered by 6V battery equipment as part of an emergency lighting system (listed from -40°F to 122°F; -40°C to 50°C), BN, W, B finishes available. |

**Notes**

1 WL only available with PREM option package.

2 See spec sheet ELA-OMC-ELA-AFNR.

# **AFN** Affinity® Die-Cast Architectural Emergency Light

## SPECIFICATIONS

| ELECTRICAL: Primary Circuit | | | | | |
|---|---|---|---|---|---|
| | AC Input | | | Output volts | Watts output |
| Type | Volts | Amps | Watts | | 1-1/2 hrs. |
| AFN | 120 | .11 | 1.1 | 6 | 12 |
| | 277 | .12 | 1.3 | | |
| AFN PREM | 120 | .15 | 1.4 | 6 | 12 |
| | 277 | .14 | 1.4 | | |
| AFN EXT | 120 | .23 | 21[1] | 6 | 12 |
| | 277 | .25 | 35[1] | | |

| BATTERY: Sealed Lead-Calcium | | | | |
|---|---|---|---|---|
| Voltage | Typical shelf life[2] | Typical life[2] | Maintenance[3] | Temperature range[4] |
| 6 | 12 months | 3 - 5 years | none | 60°– 90°F (16°– 32°C) |

| BATTERY: Nickel-Cadmium | | | | |
|---|---|---|---|---|
| Voltage | Typical shelf life[2] | Typical life[2] | Maintenance[3] | Temperature range[4] |
| 6 | 3 years | 7 - 9 years | none | 32°– 122°F (0°– 50°C) |

**Notes**

1 EXT provided with battery heater.

2 At 77°F (25°C).

3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

4 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. See option packages for expanded temperature ranges.

## SPACING GUIDE

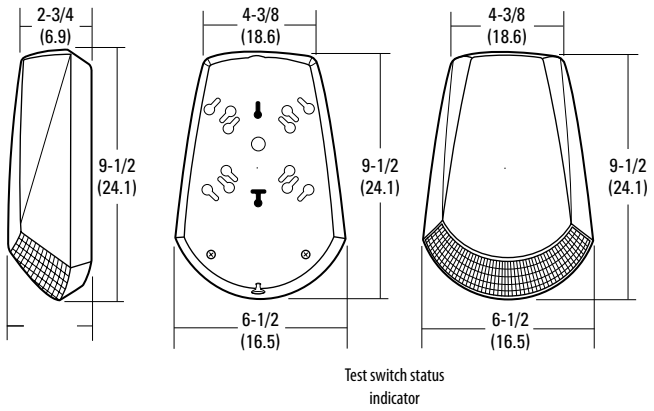
| Xenon Lamp | Path of Egress 3'-wide | Path of Egress 6'-wide |
|---|---|---|
| Center-to-Center Spacing | 26' | 21' |

NOTE: Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 8.5', ceiling height: 9', and reflectances: 80/50/20.

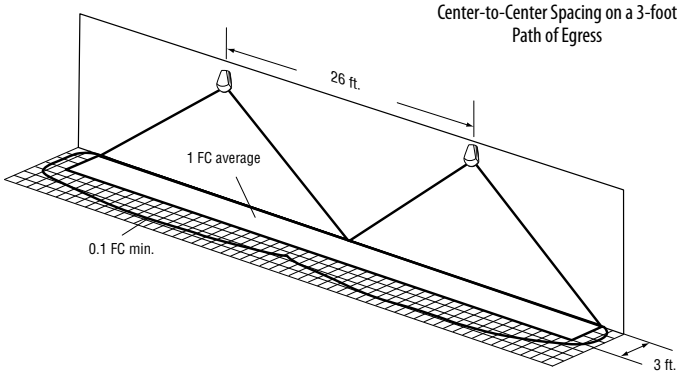
## MOUNTING

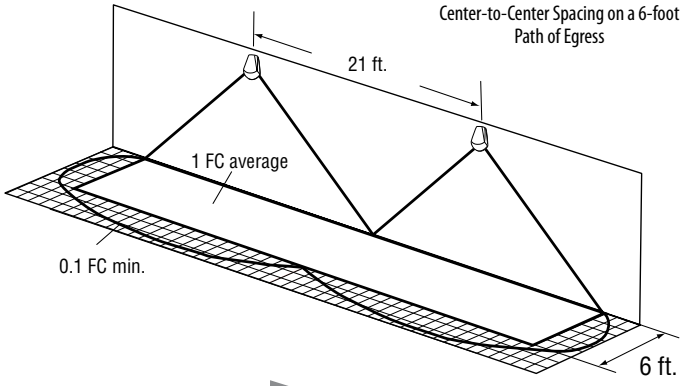
All dimensions are inches (centimeters).

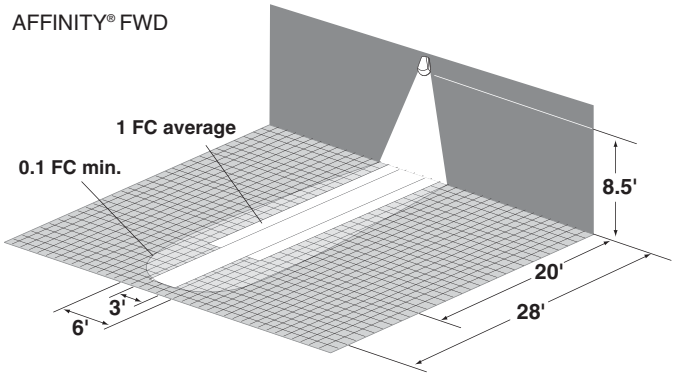
Shipping weight: 3.5 lbs. (1.59 kgs.)




## FIXTURE PERFORMANCE






EMERGENCY: One Lithonia Way, Conyers, GA 30012 Phone: 800-334-8694 www.lithonia.com techsupport-emergency@acuitybrands.com © 2003-2018 Acuity Brands Lighting, Inc. All rights reserved. Rev. 07/09/18

# VIA WET LED

WALL ASYMMETRIC

3 YEARS WARRANTY

LUMENWERX
WWW.LUMENWERX.COM

## DESCRIPTION

**Via Wet** offers architectural lighting for wet locations in both exterior and interior applications. With a simple 3¾" high by 4½" wide profile of extruded aluminum, Via Wet can be installed in recessed, ceiling, wall, or pendant mounting.
Fully sealed, Via Wet is suitable for extreme weather condition, -20°C/-4°F to 40°C/104°F.

PROJECT: _____

TYPE: _____

NOTES: _____

**IMPORTANT**: Fixture must be installed with lens facing down.

**up to 103 lm/w performance**

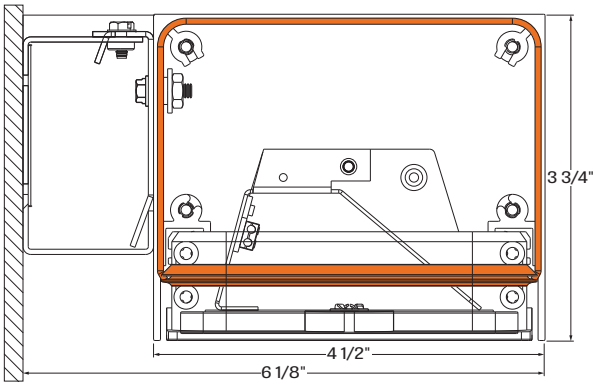
## ORDER GUIDE

| VIAWETASYW | | HLO | LED | | | |
|---|---|---|---|---|---|---|
| **LUMINAIRE ID** | **PROTECTIVE OPTICS** | **OPTICS** | **LIGHT SOURCE** | **CRI** | **LUMEN PACKAGES** | **COLOR TEMP.** |
| **VIAWETASYW**- via wet asymmetric wall | **TMG** - Tempered Clear Glass<br>**PYC** - Clear Polycarbonated | **HLO** - High-Efficiency Lambertian Optic | **LED** - high performance LED | **80** - 80CRI<br>**90** - 90CRI | **500** - min. low output 500lm/ft<br>**750** - max. medium output 750lm/ft<br>**####** - other required lm/ft | **27** - 2700k<br>**30** - 3000k<br>**35** - 3500k<br>**40** - 4000k<br>**50** - 5000k |

| | | | | EMB | | |
|---|---|---|---|---|---|---|
| **LUMINAIRE LENGTH** | **VOLTAGE** | **DRIVER** | **ELECTRICAL** | **MOUNTING** | **POWER FEED** | **FINISH** |
| Standard sections - 3', 4'<br>For all other specify length<br>**#FT** - nominal length in feet<br>Continuous Run - 4' sections joint together | **120** - 120V<br>**277** - 277V<br>**UNV** - 120V-277V<br>**347** - 347V | **D1** - 1% dimming 0-10V<br>**DA** - Dali | **1** - 1 circuit<br>**+#EM** - emergency light circuit<br>**+#NL** - night light circuit<br>**+GTD###** - generator transfer device, 120V or 277V | **EMB** - Exterior mounting bracket | **EF** - end feed<br>**BF** - back feed | **W** - matte white<br>**AL** - aluminum<br>**CF#** - custom finish specify RAL# |

See page 2 for ordering code detailed information

## CROSS SECTION




VIAWETASYW



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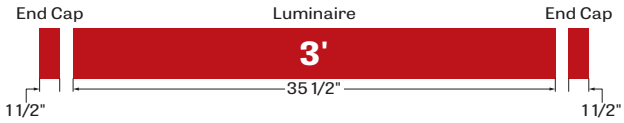
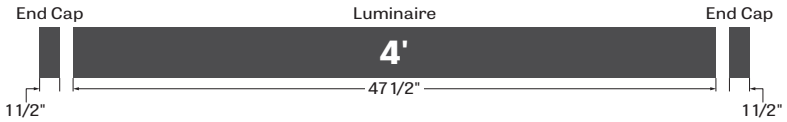
# ROW CONFIGURATIONS AND MOUNTING SPACING

## LUMINAIRE LENGTHS AND ENDCAPS

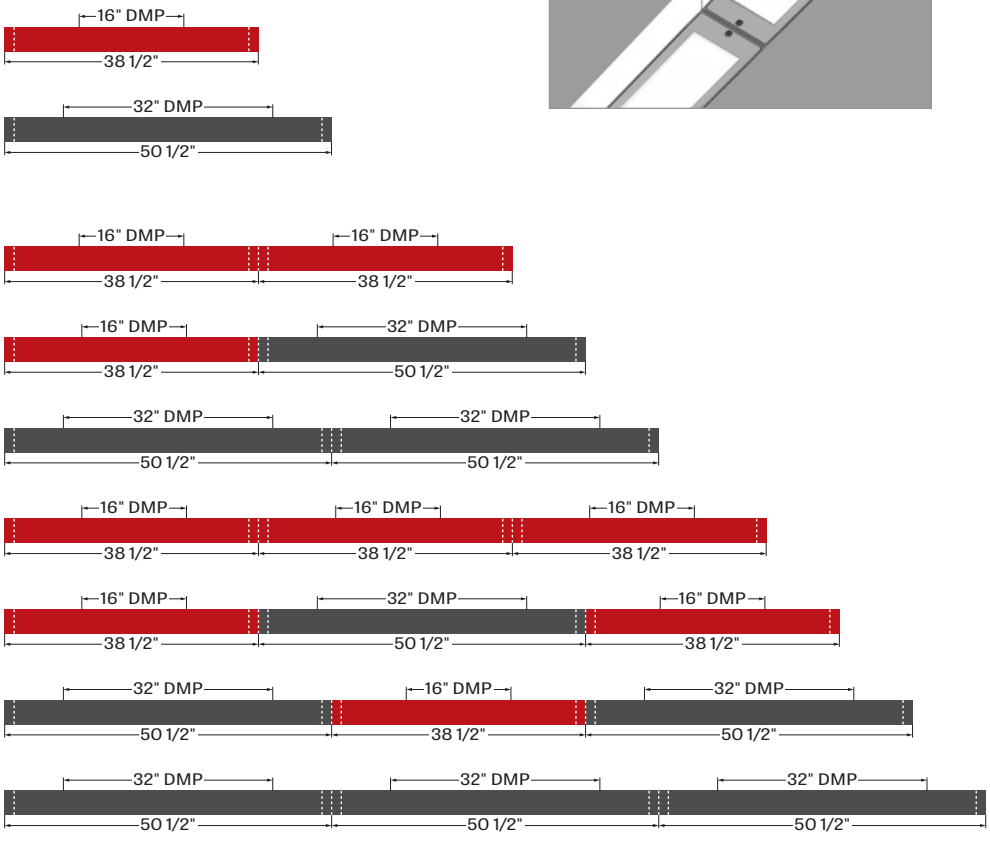



## ROW CONFIGURATIONS AND MOUNTING SPACING

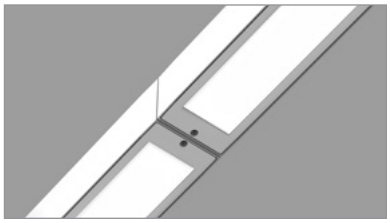
| SECTIONS | | TOTAL LENGTH | |
|---|---|---|---|
| 3ft | 4ft | Nominal | Actual |
| 1X | | 3' | 38 1/2" |
| | 1X | 4' | 50 1/2" |
| 2X | | 6' | 77 1/16" |
| 1X | 1X | 7' | 89 1/16" |
| | 2X | 8' | 101 1/16" |
| 3X | | 9' | 115 5/8" |
| 2X | 1X | 10' | 127 5/8" |
| 1X | 2X | 11' | 139 5/8" |
| | 3X | 12' | 151 5/8" |

DMP = Distance between Mounting Points




For longer run please use the same logic

## 3D LUMINAIRE JOINING SECTION





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## OPTICS AND PROTECTIVE OPTICS

Via Wet is available with a clear tempered glass **(TMG)** or a clear, UV stabilized polycarbonate **(PYC)** protective enclosure, which are installed outside of the luminaire optic itself.
The High efficiency Lambertian Optic **(HLO)** option uses a diffuser that combines 88% transmission with good source obscuration.

## LIGHT SOURCE - LED

Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.
All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

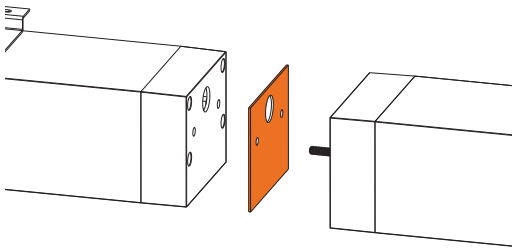
## PERFORMANCE PER 4' AT 4000K

| LED output | Color Temp | Watts | Nominal Delivered Lumens | Efficacy LPW |
|---|---|---|---|---|
| low output | 4000K | 19.5 | 2000 | 103 |
| medium output | 4000K | 30 | 3000 | 100 |

## LUMINAIRE LENGTH

Via Wet is made up of standard 3, and 4 foot sections that can be joined cleanly and securely for continuous runs in all configurations.

**Joining system**



All individual sections are joined together onsite using the ¼"-20 screws and nuts provided. The joint between 2 adjacent individual sections is sealed by a silicone gasket attached to one of the 2 sections. The electrical connection between sections is made through the holes provided in the end-caps.

## ELECTRICAL

Factory-set adjustable output current electronic driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at -20°C min. and 40°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. DMX (RDM compatible) and DALI protocol drivers are also available. Low-temperature, -40°C rated, 0-10V (10% minimum) dimming drivers are also available upon request. Power grommet for cable diameter between 0.276" and 0.512" (7-13mm). All of our standard 0-10V drivers are NEMA 410 compliant.

## MOUNTING OPTIONS

Fixtures may be horizontally mounted to the wall using a bracket. For long runs, a minimum of 6" from adjacent walls is required.



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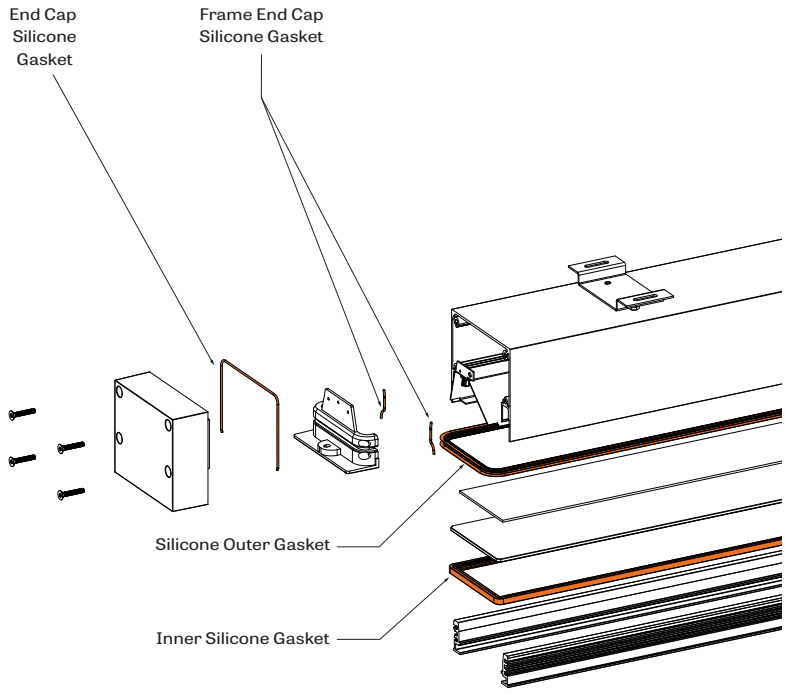
## GASKETTED FIXTURE MOUNTING OPTIONS




Lens and enclosure are sealed with inner and outer silicone gaskets

## FINISH

**Interior** - 95%, reflective matte powder coated white paint
**Exterior** - matte white or aluminum powder coating.
Custom finishes are also available.

## CONSTRUCTION

**Housing** - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content
**Side frame extrusions** – Extruded Aluminum (0.125" nominal) up to 90% Recycled Content
**Interior brackets** - Die formed cold rolled sheet steel 16 gauge thick
**Joining system** - 2 x ¼"-20 screws + nuts accessible from inside the fixture + one silicone gasket attached to one of the end-caps.
**Reflectors** - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted
**End Cap** - Aluminum Die Cast
**Tempared Clear Glass** - clear, 1/8" thickness, fully tempered optics.
**Polycarbonated** - clear, 1/8" thickness, UV protected optics.
**Gaskets** - Fixture lens unit and end-caps are fully sealed using silicone gaskets.
**Power grommet** - EPDM rubber rated IP67.

## WEIGHT

**Via Wet 4ft** - 18.2lbs - 8.27kg

## CERTIFICATIONS

**ETL** - Rated for Wet location. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

## WARRANTY

LumenWerx provides a three-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.



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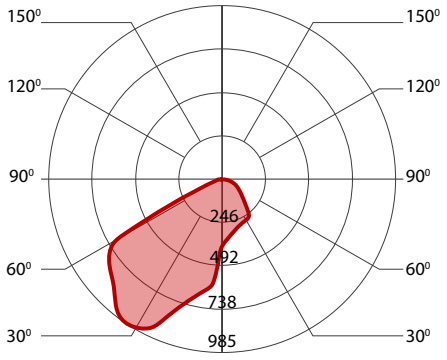
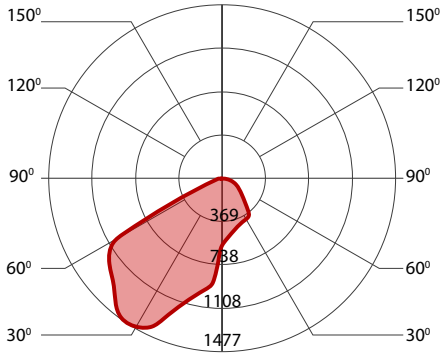
## 500 LUMEN AT 80CRI - LOW OUTPUT




**PERFORMANCE PER 4'**

| LED output | Color Temp | Watts | Nominal Delivered Lumens | Efficacy LPW |
|---|---|---|---|---|
| low output | 3000K | 21 | 2000 | 96 |
| low output | 3500K | 20 | 2000 | 99 |
| low output | 4000K | 19.5 | 2000 | 103 |
| low output | 5000K | 19 | 2000 | 106 |

## 750 LUMEN AT 80CRI - MEDIUM OUTPUT




**PERFORMANCE PER 4'**

| LED output | Color Temp | Watts | Nominal Delivered Lumens | Efficacy LPW |
|---|---|---|---|---|
| medium output | 3000K | 32 | 3000 | 94 |
| medium output | 3500K | 31 | 3000 | 97 |
| medium output | 4000K | 30 | 3000 | 100 |
| medium output | 5000K | 29 | 3000 | 104 |



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# PHOTOMETRIC REPORT

## PLATE OUT

**3450-2xLED.40**

| | |
|---|---|
| CCT (K): | 4000 |
| Delivered Lumens (lm): | 787 |
| System wattage (W)*: | 9.9 |
| Distribution: | Direct towards wall |
| Delivered Efficacy (lm/W): | 79.5 |
| Photometric type | C |

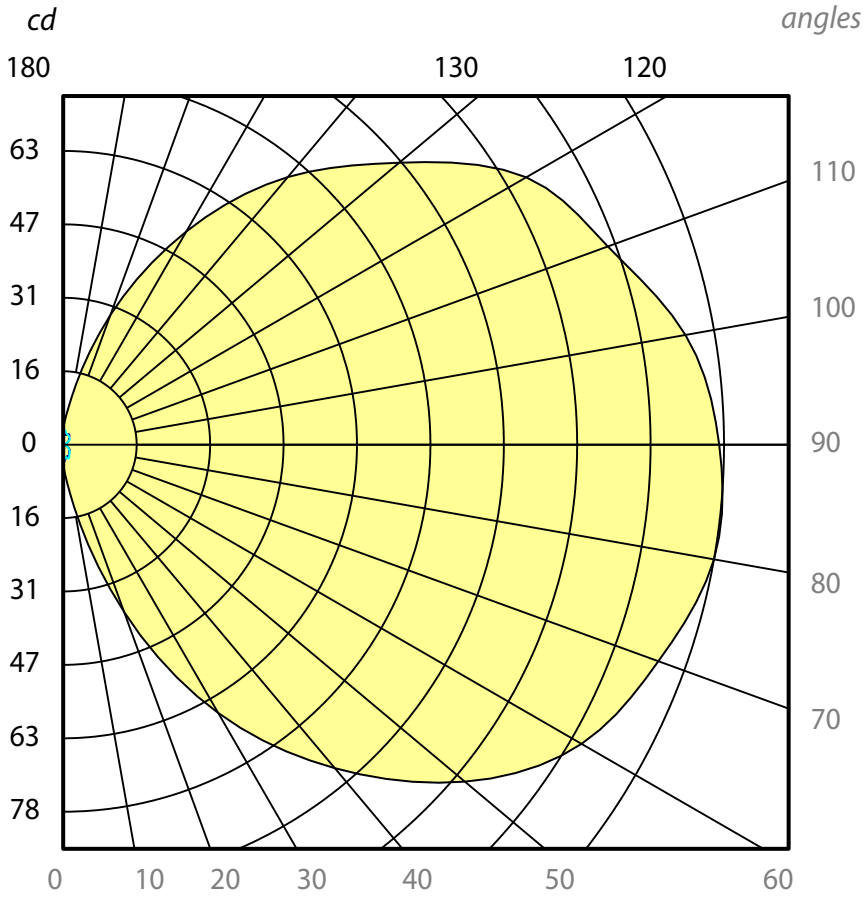
***Luminous dimensions***

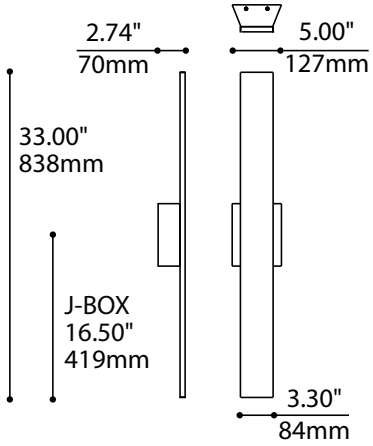
| | |
|---|---|
| Luminous shape: | Rectangle |
| Units: | in (mm) |
| 0-180 Axis: | 4.8 (122) |
| 90-270 Axis: | 2.4 (61) |
| Height: | 32.4 (823) |

***Luminaire spacing criteria***

| | |
|---|---|
| 2 luminaires, plane 0: | 0.81 |
| 2 luminaires, plane 90: | 7.88 |
| 4 luminaires: | 6.13 |

*System wattage includes driver and LED modules consumption




This photometric report has been generated using methods recommended by the IESNA. Calculations are based on simulated photometric data and can change without notice. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual photometric performance to differ from the performance calculated using the data provided by the manufacturer. In no event will Eureka Lighting be responsible for any loss resulting from any use of this report.

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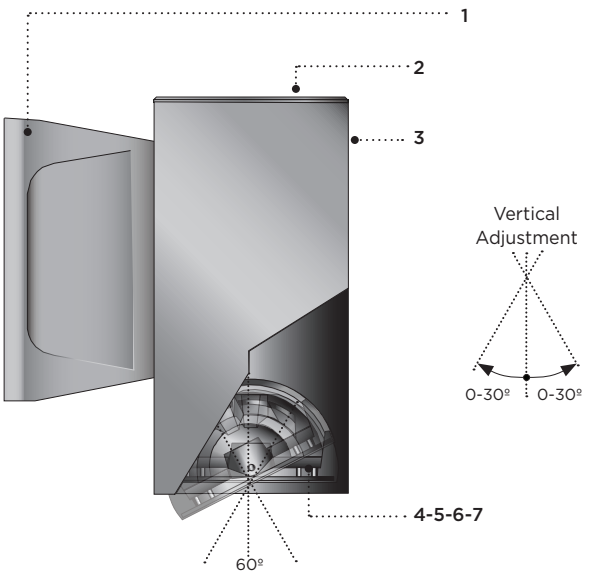
# SQ600 SERIES
## SYRIOS SQUARE - LED
WALL UP OR DOWN LIGHT

TYPE: _____ QUANTITY: _____ PROJECT: _____

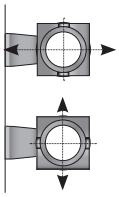
| CATALOG NUMBER: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | FIXTURE | SUFFIX | REFLECTOR | VOLTAGE | FINISH | OPTION | OPTION | OPTION |




1- Cast aluminum driver housing. Includes galvanized steel wall mount pressure plate.
2- Cast aluminum ventilated top cover.
3- Seamless extruded aluminum housing.
4- Fully sealed cast aluminum up or down light assembly.
5- Sealed cast aluminum lens frame.
6- Clear tempered glass lens.
7- 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 ±30º 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.



Standard forward and back light throw

**AR180**: Optional 180º angle left and right side of luminaire.

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.
The top cast aluminum cover includes ventilation slots allowing air circulation and cooling of assembly.
**Syrios Square LED** SQ600 series is standard with 30º 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 -40ºC/-40ºF to 55ºC/131ºF, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

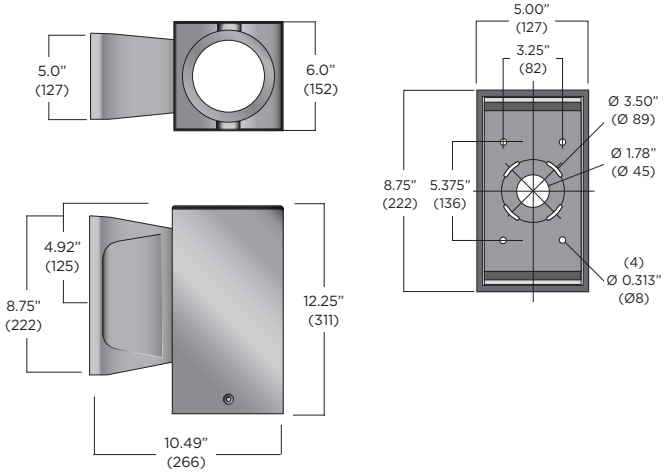
**LED** Standard 4000K /80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

### LIFE
60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data).
Up to 70,000hrs $L_{70}B_{50}$ (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: 9.5lbs (4.3kg)
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.

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## LUMINAIRE SELECTION

**MODEL#**

☐ SQ600

**LED LIGHT SELECTION**

| SUFFIX | INPUT WATTS | DELIVERED LUMENS | CRI | CCT °K |
|---|---|---|---|---|
| ☐ L1L15 | 15W | 1599 | 80 | 4000 |
| ☐ L1L25 | 26W | 2543 | 80 | 4000 |
| ☐ L1L40 | 48W | 4102 | 80 | 4000 |
| **AMBER LED** | | | | |
| ☐ L1L3K2A | 11W | 263 | AMBER | |
| **VERY NARROW DISTRIBUTION** | | | | |
| ☐ L1L20NR | 31W | 1690 | 80 | 4000 |

**REFLECTORS***

☐ **R15** Narrow optics 15º
☐ **R30** Flood optics 30º (standard)
☐ **R55** Wide flood optics 52º

*Depending on direction fixture is installed add U (for uplight) or D (for downlight) to suffix for all reflectors listed above. (i.e. R55U is 52º uplight)

☐ **R9** Very narrow optics 9º Field angle 18º (46,151 candela)

**VOLTAGE**

☐ 120V
☐ 277V

Optional
☐ 347V

**FINISH**

**STANDARD COLORS**

☐ WHT Snow white
☐ BKT Jet black
☐ BZT Bronze
☐ MST Matte silver
☐ GRT Titanium gray
☐ DGT Gun metal
☐ CHT Champagne

(Refer to color chart)

**OPTIONAL COLORS**

☐ CS Custom color
☐ RAL RAL# color

**NATATORIUM SUITED COLORS**

☐ NWHT White
☐ NBKT Black

## OPTIONS

**ELECTRICAL**

☐ **FS** Fuse
☐ **PH** Photocell[1]
☐ **347L** Step down transformer for 347V input
☐ **MS** PIR motion sensor (Device is located at bottom of luminiare wall box)
☐ **REML2-50** 7W remote emergency battery backup for LED, 90 min Remote mount 50ft - 12" (305) square enclosure with access cover[2]

**MOUNTING**

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

**ACCESSORIES**

☐ **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)

☐ **K27** 2700K CCT 80 CRI (LCF: 0.91)[3]
☐ **K3** 3000K CCT 80 CRI (LCF: 0.94)
☐ **K35** 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.
3- Please consult factory when selecting K27 or K35 in conjuction with R9 (very narrow optics)



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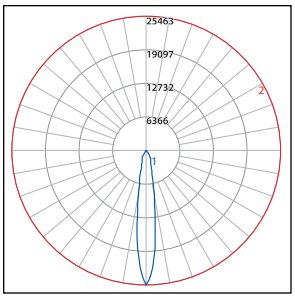
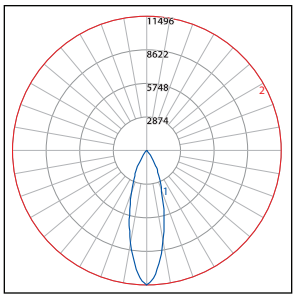
## TYPICAL PHOTOMETRY SUMMARY



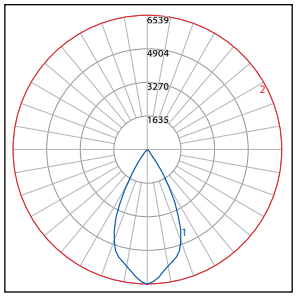

**Descriptive Information**

SQ600-L1L40-R15
Total Lms: 3998 Lumens
Total Input Watts: 48 W
Efficacy: 83 Lumens/Watt
BUG: B3-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 25463 @ 0 deg



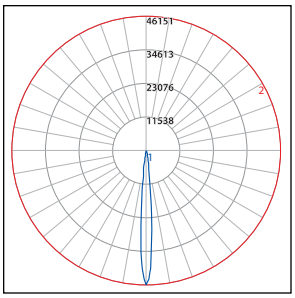

**Descriptive Information**

SQ600-L1L40-R30
Total Lms: 4102 Lumens
Total Input Watts: 48 W
Efficacy: 85 Lumens/Watt
BUG: B3-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 11496 @ 0 deg




**Descriptive Information**

SQ600-L1L40-R55
Total Lms: 4369 Lumens
Total Input Watts: 48 W
Efficacy: 91 Lumens/Watt
BUG: B3-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 6539 @ 0 deg




**Descriptive Information**

SQ600-L1L20NR-R9
Total Lms: 1690 Lumens
Total Input Watts: 31 W
Efficacy: 55 Lumens/Watt
BUG: B2-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 46151 @ 0 deg

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



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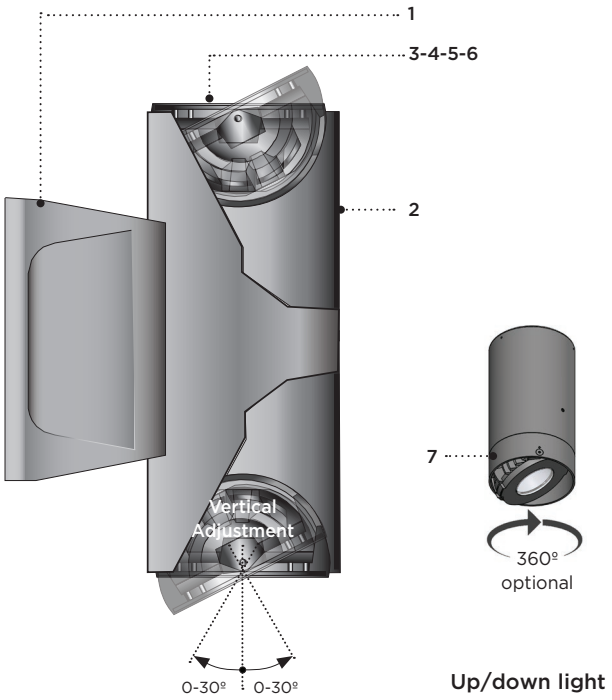
LUMINIS®

# SY602 SERIES
## SYRIOS - LED
6" WALL UP/DOWN LIGHT

TYPE: _____ QUANTITY: _____ PROJECT: _____

| CATALOG NUMBER: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | FIXTURE | SUFFIX | REFLECTOR | VOLTAGE | FINISH | OPTION | OPTION | OPTION |




Up/down light

1- Cast aluminum driver housing. Includes galvanized steel wall mount pressure plate.
2- Seamless extruded aluminum cylindrical 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.
7- Optional 360º adjustable rotation.

All stainless steel hardware.

**Syrios LED** light module is designed with a tilting mechanism allowing forward and back light adjustability. The ±30º 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.
Fully adjustable 360º rotation also available, see option A360.

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

### MATERIALS
**Syrios 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 LED** is standard with a unique proprietary design allowing the sealed LED module to tilt within the cylindrical housing.
**Syrios LED** SY602 series is standard with 30º optics. 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 -40ºC/-40ºF to 55ºC/131ºF, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

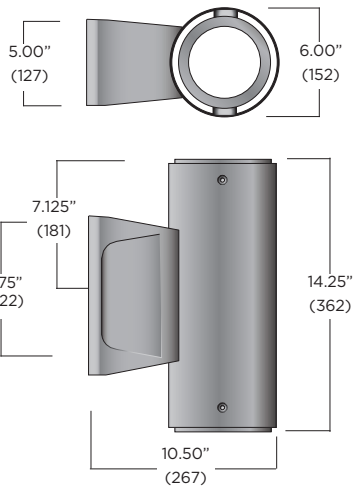
**LED** Standard 4000K /80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

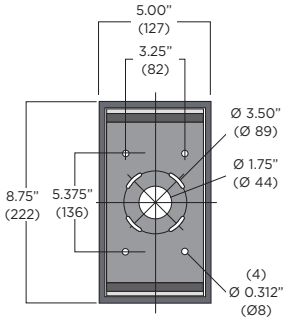
### LIFE
60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data).
Up to 70,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

### FINISH
Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

### MOUNTING
Maximum weight: 11.7lbs (5.3kg)
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.

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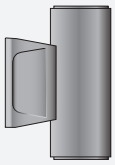
## LUMINAIRE SELECTION

**MODEL#**



☐ SY602

**LED LIGHT SELECTION**

| SUFFIX | INPUT WATTS | DELIVERED LUMENS | CRI | CCT ºK |
|---|---|---|---|---|
| ☐ L2L15 | 31W | 3198 | 80 | 4000 |
| ☐ L2L25 | 51W | 5087 | 80 | 4000 |
| ☐ L2L40 | 86W | 7630 | 80 | 4000 |
| **AMBER LED** | | | | |
| ☐ L2L3K2A | 21W | 529 | AMBER | |
| **VERY NARROW DISTRIBUTION** | | | | |
| ☐ L2L15NR | 56W | 3144 | 80 | 4000 |

**REFLECTORS***

- ☐ **R15** Narrow optics 15º
- ☐ **R30** Flood optics 30º (standard)
- ☐ **R55** Wide flood optics 52º

*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 52º uplight and 30º downlight)

- ☐ **R9** Very narrow optics 9º Field angle 18º (42,920 candela)

**VOLTAGE**

- ☐ 120V
- ☐ 277V

Optional
- ☐ 347V

**FINISH**

**STANDARD COLORS**

- ☐ WHT Snow white
- ☐ BKT Jet black
- ☐ BZT Bronze
- ☐ MST Matte silver
- ☐ GRT Titanium gray
- ☐ DGT Gun metal
- ☐ CHT Champagne

(Refer to color chart)

**OPTIONAL COLORS**

- ☐ CS Custom color
- ☐ RAL RAL# color

**NATATORIUM SUITED COLORS**

- ☐ NWHT White
- ☐ NBKT Black

## OPTIONS

**ELECTRICAL**

- ☐ **FS** Fuse
- ☐ **PH** Photocell[1]
- ☐ **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 cover[2]

**MOUNTING**

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

**LIGHT & OPTICS**

Alternate CCT ºK LED (LCF: Lumen conversion factor)

- ☐ 2**K27** 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.

- ☐ **A360** 360º adjustable rotation
- ☐ **RG** Regressed light module[4]

**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)

**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 conjuction with R9 (very narrow optics)
4- Cylindrical housing extended by 1.1" (27.9) per light module for increased cut-off.



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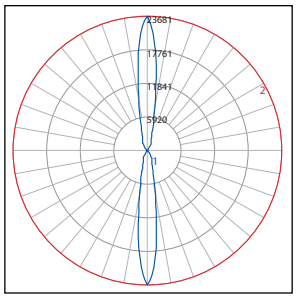
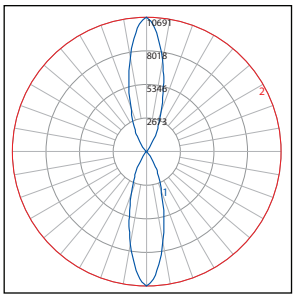
## TYPICAL PHOTOMETRY SUMMARY



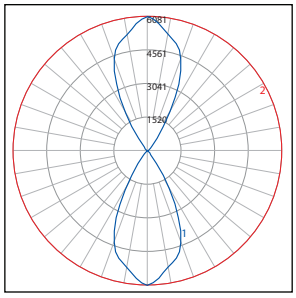

**Descriptive Information**

SY602-L2L40-R15
Total Lms: 7435 Lumens
Total Input Watts: 86 W
Efficacy: 87 Lumens/Watt
BUG: B3-U5-G0
CCT/CRI: 4000K/80
Maximum Candela: 23681 @ 0 deg



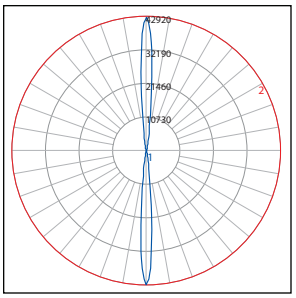

**Descriptive Information**

SY602-L2L40-R30
Total Lms: 7630 Lumens
Total Input Watts: 86 W
Efficacy: 89 Lumens/Watt
BUG: B3-U5-G0
CCT/CRI: 4000K/80
Maximum Candela: 10691 @ 0 deg




**Descriptive Information**

SY602-L2L40-R55
Total Lms: 8127 Lumens
Total Input Watts: 86 W
Efficacy: 95 Lumens/Watt
BUG: B3-U5-G0
CCT/CRI: 4000K/80
Maximum Candela: 6081 @ 0 deg




**Descriptive Information**

SY602-L2L15NR-R9
Total Lms: 3144 Lumens
Total Input Watts: 56 W
Efficacy: 57 Lumens/Watt
BUG: B2-U5-G0
CCT/CRI: 4000K/80
Maximum Candela: 42920 @ 0 deg

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



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