

SIRIUS GEN2 US STD MARINE GRADE

A
LED

5
YEAR
WARRANTY



UL
LISTED

Product data

General Information

| | |
|-----------------------------|----------------------------|
| EAN13 code | 5710010130608 |
| Light source type | LED |
| Number of LED module | 1 unit |
| Input voltage of LED module | 48 VDC |
| Input current of LED module | 500 mA |
| Beam angle | 105° |
| Color temperature | 4000K neutral white |
| CRI | 80 |
| SDCM | 3 steps |
| LED module replaceable | Yes, only by professionals |
| Number of LED driver | 1 unit |
| Driver included | Yes |
| Driver replaceable | Yes, only by professionals |
| L90 lifetime of LED module | 50,000 hrs |
| L80 lifetime of LED module | 100,000 hrs |
| Lumen output | 3600 lm |

Operating and Electrical

| | |
|------------------------------------|-----------------------|
| Input Voltage | 100-277 Vac |
| Input frequency | 50/60 Hz |
| System wattage | 26 W |
| Power factor @ 120Vac | 0.95 |
| Input current @ 120Vac | 0.25 A |
| THD @ 120Vac | < 20% |
| Surge protection | 10 kV (L/N-Ground) |
| Inrush current @ 120Vac | 30A pk Max, th =300µs |
| Ambient temperature range | -40°C to + 50°C |
| Performance ambient temperature Tq | +25°C |

| | |
|--------------------------|--|
| Installation method | Surface mounted |
| Optical type | Diffuser |
| Control and dimming | On/off |
| Five pole terminal block | From 1.5mm ² - 6mm ² |
| Protection class IEC | Safety class I |
| Glow-wire test | 850°C, 30 s |
| Daisy chain connection | Yes, 12 AWG |
| PstLM | < 1 |
| Percent flicker | < 10% |

| | |
|----------------------------|----------|
| Environment classification | C5 |
| Outdoor marine environment | Yes |
| Indoor marine environment | Yes |
| Approval | UL 1598A |
| Net weight (piece) | 4.0 Kg |
| Dimension | |
| Overall length | 628 mm |
| Overall width | 166 mm |
| Overall height | 91 mm |

Mechanical and Housing

| | |
|-----------------------------------|----------------------|
| Housing material | GRP |
| Optical material | Polycarbonate |
| 3/4" NPT Nickle plated brass hubs | One at each end |
| Nickle plated brass blind caps | One at each end |
| Material of clamps | 316L stainless steel |
| Ingress protection code | IP 67 |
| Mech. impact protection code | IK 10 |

Remarks

| | |
|--------------------------------------|-------|
| LED Driver failure rate at 50,000hrs | 5 % |
| Power consumption tolerance | ± 7 % |



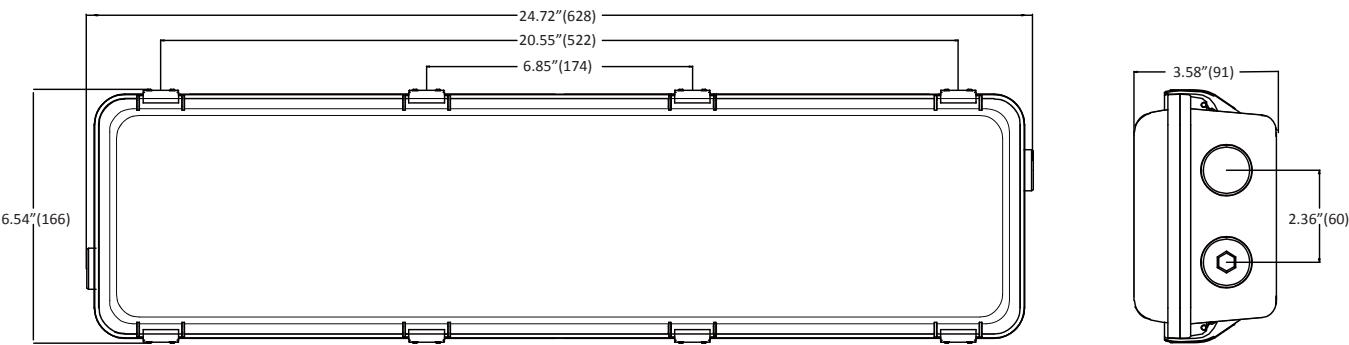
IP67

IK10

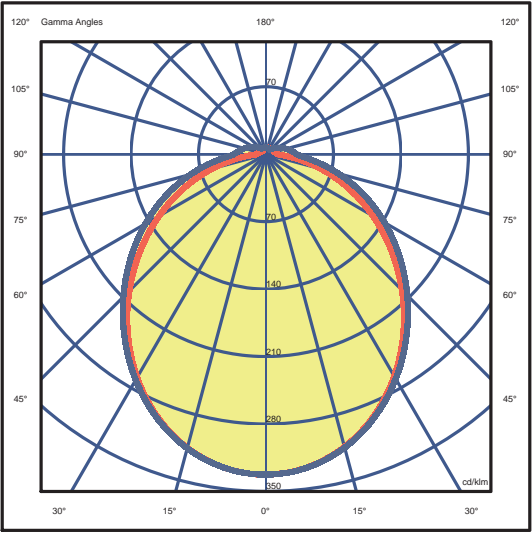
**100V
277V**



Dimension drawings



Light distribution



| | | |
|----------------|--|------------------------|
| 3. 281ft 1m | 38. 31, 115. 7f c 412. 4, 1245l x | 8. 403ft 256. 14cm |
| 6. 562ft 2m | 9. 578, 28. 92f c 103. 1, 311. 3l x | 16. 81ft 512. 27cm |
| 9. 843ft 3m | 4. 257, 12. 85f c 45. 82, 138. 4l x | 25. 21ft 768. 41cm |
| 13. 12ft 4m | 2. 395, 7. 230f c 25. 78, 77. 82l x | 33. 61ft 1024. 55cm |
| 16. 4ft 5m | 1. 533, 4. 627f c 16. 50, 49. 81l x | 42. 02ft 1280. 68cm |

Installation

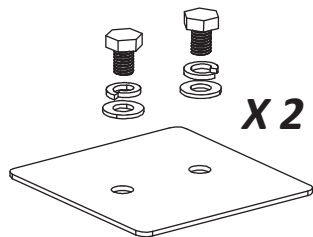
Before installing, make sure you are compliant with area classifications, failure to do so may result in injury, death and property damage. Do not attempt installation until you are familiar with the following procesures. All installation must comply with the applicable Electrical code, and must be carried out by qualified experts.

Make sure that the circuit is de-energized before starting installation or maintenance.

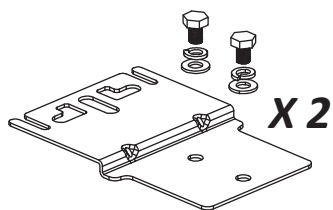
It's very imporant that the luminaire is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

Technical information, advice and recommendations contained in these documents is based upon information that we believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been well trained and know-how to be used by such person only at their own risk and discretion. These instructions is informative only and does not cover all of the details, variations or combinations in which this product may be used, its storage, delivery, installation, check out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custoday and control of manufacturer, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

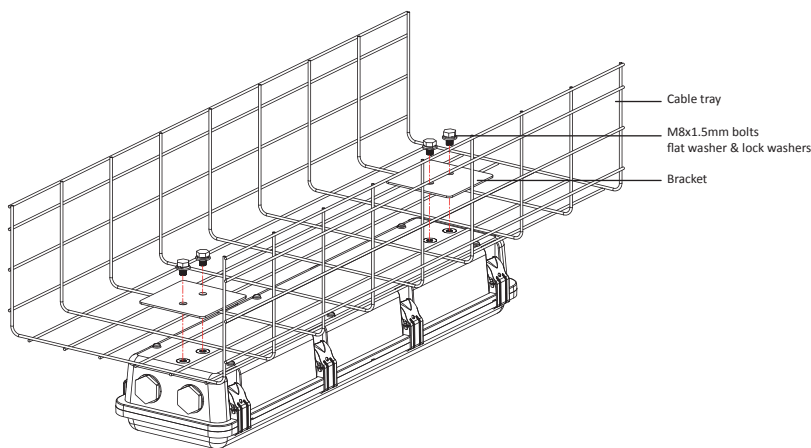
Optional mounting accessories



Bracket Set A



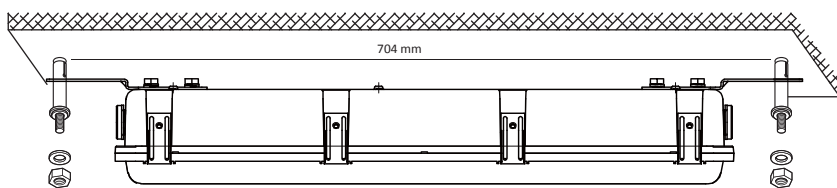
Bracket Set B



1. BRACKET SET A

Includes (2) fixed brackets, (2) bolts , (2) flat washers and (2) lock washers.

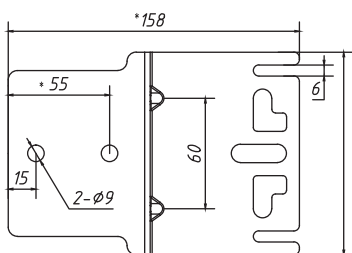
- Mount brackets to Luminaire in desired configuration using supplied bolts, and lock washers.



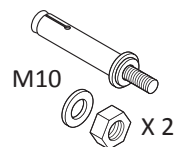
2. BRACKET SET B

Includes (2) fixed brackets, (2) bolts and (2) lock washers. Anchor Bolts not included.

- Mount brackets to Luminaire with supplied bolts, and lock washers in accessory package.
- Drill two holds in desired area and fix the luminaire firmly with M8 anchor bolts.




unit: mm



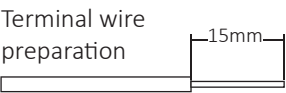
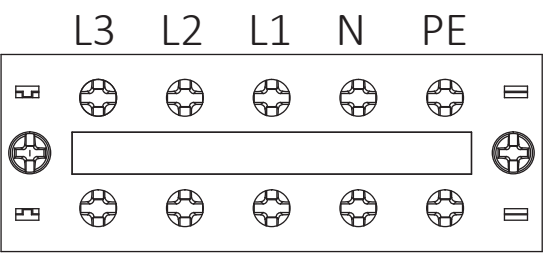
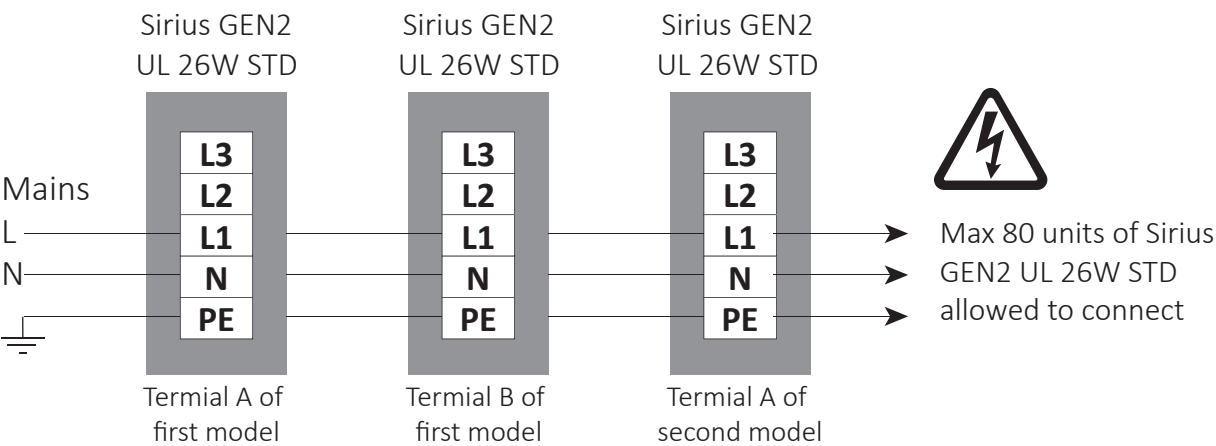
Anchor bolts not included !

Wiring

Earthing the luminaire
The luminaire must be earthed in the terminal block. 

Power supply must be from same line (fuse).

Connection of luminaire to the mains
The product supports daisy chain connection, that means it can be connected to other luminaires by connecting Terminal B of first model to Terminal A of the next unit with 12AWG min.300V, 105°C as shown in the drawing. Please make sure the product is never overloaded while being connected to other luminaires. For the consideration of safety and reliability, a max current 20A is recommended.



* Wire ferrules are recommended to use !