SIRIUS SMQxx: 20W can replace existing T5/T8 fixture applying U.S DOE calculation methods

IP65 casing

At a Glance:

- IP65 enclosure
- DALI-2 or Standard driver
- Impressive Efficacy
- Brightens up undercover carparks
- Flicker-Free Lighting
- 600mm and 1200mm length
- Enhances Greenstar Rating
- Long Lifespan: >60K hours
- AS/NZS 60598.2.1 compliance
- Emergency Lighting Option
- LoRa Wireless Option

SIRIUS: IP65 Batten,

Excellent Ambience: The Sirius SMQ features an IP65-rated enclosure and an emission surface designed to cast light evenly, enhancing the ambience of its surroundings, including ceilings. This is particularly beneficial in undercover carparks, where its highly diffused light minimizes glare and reduces anxiety. The IP65 enclosure also ensures protection of sensitive electronics against moisture.

Sustainability and Long Life Cycle: Constructed from high thermal conductive aluminium, the Sirius operates cooler, enhancing its efficacy and extending its lifespan. It boasts the best efficacy and lowest depreciation in the industry, typically replacing a twin-T5/T8 batten with just 20W. By replacing the drivers every 7 years, the luminaire's lifespan can be extended in increments of 7 years, ensuring long-term sustainability.

SIRIUS

SMQ20 Specification:
Efficacy: 116 lm/W @ 20W
Lighting Control: Dimmable
Driver: BK-PUL018A-0450A, Flicker free

SMQ20 (Std Driver) Specification:
Efficacy: 139 lm/W @ 20W
Driver: BK-PQL022-C450A Flicker free

Common Specification:
UGR: <19
Input power range: 20-28W
Beam angles: 120°(H), 110°(V)
CRI: Ra > 83,
Color temperature: Cool, 5000K; Neutral, 4000K;
Warm, 3000K; Amber, 2700K,
SCDM: 3
LLD(Av): 2.21% @ 12,000 hrs
Diffuser: Polycarbonate
Chromaticity shift (Av): 0.0012 @ 12,000 hrs
Fitting Material: Aluminium
Fitting color: Anodise metalic or custom colour
IP rating: IP67 (driver), weatherproof PCB
Input Voltage: 200-240Vac
Power factor: >0.96 @ 20W
Operating temperature: -20°C to 45°C
Approved standards: SAA, C-Tick
Life expectancy (L70): >60,000 hrs
Warranty: 5 years
Weight: 1.3kg 600mm, 2.5kg 1200mm long
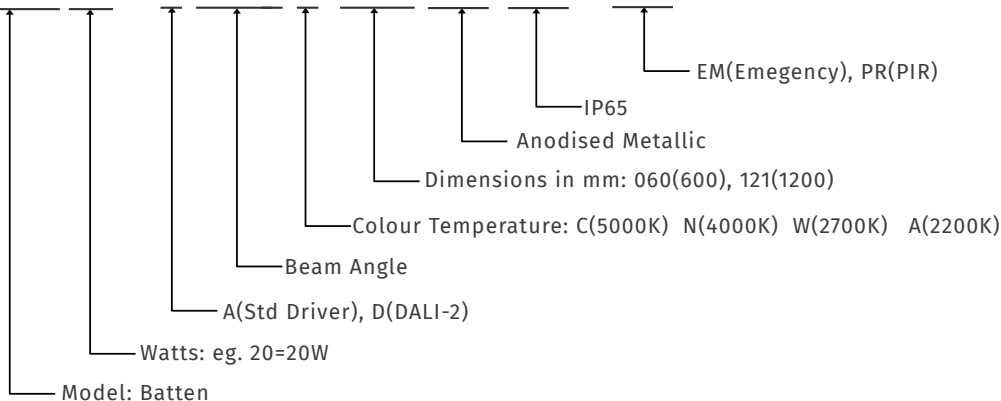Custom color: Yes

Lighting Control Hardware:

Wired or wireless DALI-2
Wireless LoRa with i3t Smart App
Wireless range: 5km
Hierachical Zone layers: 5
Groups per Zone: 255
Number of gateway: 1 (typical)
Point-n-click Zone-Group configuration
Ambient light correction

I3t User Interface:

Zone-Group dimming
Scene setting
Occupancy sensing
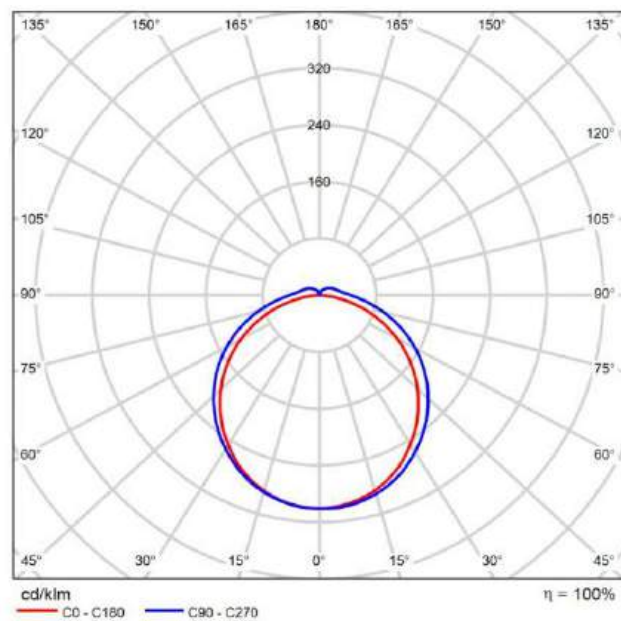Access and Security Control
Emergency Light monitoring

SMQ20-A120xxxxAN65-xx

- EM(Emegency), PR(PIR)
- IP65
- Anodised Metallic
- Dimensions in mm: 060(600), 121(1200)
- Colour Temperature: C(5000K) N(4000K) W(2700K)   A(2200K)
- Beam Angle
- A(Std Driver), D(DALI-2)
- Watts: eg. 20=20W
- Model: Batten

Dimensions:

1200mm

90mm

Photometric Chart:

SMQ20 photometric chart