

# PRODUCT DATASHEET

## Submarine Integrated 1.5M 48W 4000K

SUBMARINE® Integrated | Damp-proof luminaires with integrated LED module

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### Areas of application

- Basements, garages, warehouses



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### Product benefits

- Easy and quick installation
- Very homogenous light
- Extremely bright

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### Product features

- Dust-protected and jet-proof (IP65)
- Not dimmable



TECHNICAL DATA

Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 48.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 209.000 mA            |
| Max. number of luminaires per miniature circuit breaker B16 | 25                    |
| Max. number of luminaires per miniature circuit breaker C16 | 36                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |

Photometrical data

|                                                |                      |
|------------------------------------------------|----------------------|
| Luminous flux                                  | 4000 lm              |
| Total luminous flux of contained light sources | 5000 lm              |
| Luminous efficacy                              | 60 lm/W              |
| Color temperature                              | 4000 K               |
| Light color (designation)                      | Cool White           |
| Color rendering index Ra                       | $\geq 80$            |
| Standard deviation of color matching           | < 5 sdc <sub>m</sub> |
| Flickering metric (Pst LM)                     | <10                  |
| Photobiological safety group acc. to EN62778   | RG0                  |
| Beam angle                                     | 120 °                |

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1480.00 mm |
| Width          | 86.00 mm   |
| Height         | 72.00 mm   |
| Product weight | 1580.00 g  |



## Materials & Colors

|                 |                    |
|-----------------|--------------------|
| Product color   | Gray               |
| Housing color   | Gray               |
| Body material   | Polycarbonate (PC) |
| Mercury content | 0.0 mg             |

## Application & Mounting

|                                        |                         |
|----------------------------------------|-------------------------|
| Ambient temperature range              | -20...+40 °C            |
| Type of connection                     | Terminal, 2-Pole (L, N) |
| Type of protection                     | IP65                    |
| Protection class IK (shock resistance) | IK06                    |
| Dimmable                               | No                      |
| Mounting type                          | Surface                 |
| Mounting location                      | Ceiling / Wall          |
| Application environment                | Indoor                  |
| With light source                      | Yes                     |
| Replaceable light source               | No                      |

## Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 25000 |
|----------------------------|-------|

## Certificates & Standards

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / EAC / UKCA |
| Luminaire with limited surface temperature, "D sign" | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

## EQUIPMENT / ACCESSORIES

- Complete mounting and connecting accessories included

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

## DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name                  |
|----------------------------------------------------------------------------------|----------------------------------------|--------------------------------|
|  | User instruction / safety instructions | SUBMARINE INTEGRATED           |
|  | Legal information                      | Legal insert C - Not dimmable  |
|  | Declarations of conformity             | CE Declaration SubMARINE LED I |
|  | Declarations of conformity UKCA        | Fixed LUM                      |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075260498 | Folding box<br>1             | 89 mm x 1,510 mm x 75 mm             | 1790.00 g    | 10.08 dm <sup>3</sup>  |
| 4058075260504 | Shipping box<br>8            | 1,530 mm x 200 mm x 328 mm           | 15391.00 g   | 100.37 dm <sup>3</sup> |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.