

Product datasheet

ST8PRO-EM 12.1 W/840 1100 mm

SubstiTUBE PRO EM | High performance LED tubes for electromagnetic control gears (CCG), shatterproof



Product datasheet

Technical data

Electrical data

| | |
|------------------------------------------|-------------|
| Rated wattage | 12.10 W |
| Operating frequency | 50...60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 79 |
| Max. lamp no. on circuit break. 16 A (B) | 126 |
| Nominal wattage | 12.10 W |
| Nominal voltage | 220...240 V |
| Nominal current | 0.057 A |
| Claimed equiv. conventional lamp power | 38 W |

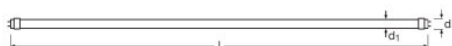
Photometrical data

| | |
|-----------------------------------------|---------------------------|
| Standard deviation of color matching | ≤ 5 sdc _m |
| Rated luminous flux | 2000 lm |
| Nominal luminous flux | 2000 lm |
| Rated color temperature | 4000 K |
| Color rendering index Ra | 83 |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Luminous flux | 2000 lm |
| Lumen main.fact.at end of nom.life time | 0.70 |

Light technical data

| | |
|---------------|---------|
| Beam angle | 190 ° |
| Starting time | < 0.5 s |

Dimensions & weight



| | |
|----------------|----------|
| Product weight | 164.00 g |
|----------------|----------|

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| | |
|----------------|---------|
| Length | 1061 mm |
| Outer bulb | T8 |
| Overall length | 1061 mm |
| Diameter | 26.7 mm |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+50 °C |
|---------------------------|--------------|

Lifespan

| | |
|------------------------------------------|---------|
| Nominal lamp life time | 60000 h |
| Rated lamp life time | 60000 h |
| Lumen maintenance at end of service life | 0.70 |
| Number of switching cycles | 200000 |

Additional product data

| | |
|-----------------------------------|---------------|
| Appropriate disposal acc. to WEEE | Yes |
| Successor EAN | 4058075612235 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Base (standard designation) | G13 |
| Predecessor EAN | 4058075454163 |

Capabilities

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Certificates & standards

| | |
|-------------------------|--------------|
| Energy efficiency class | C |
| Energy consumption | 13 kWh/1000h |
| Type of protection | IP20 |

Country specific categorizations

| | |
|-----------------|-----------------|
| Order reference | ST8PRO-1M 12,1W |
|-----------------|-----------------|

Environmental information

| | |
|------------------------------------------------------------------------------|-------------------------------|
| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
| Date of Declaration | 18-04-2022 |
| Primary Article Identifier | 4058075454163 4058075612235 |
| Declaration No. in SCIP database | In work |

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Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------------------|------------------------------------------|--------------------------------------|-----------------------|--------------|
| 4058075612235 | ST8PRO-EM 12.1 W/840 1100 mm | Shipping carton box 10 Pieces Sleeves | 1195 mm x 210 mm x 115 mm | 28.86 dm ³ | 2634.00 g |

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.

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OSRAM

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