

Product family datasheet

SubstiTUBE Advanced UO EM

LED tubes for electromagnetic control gear (CCG)



Technical data

| | Electrical data | | | | | | |
|-----------------------------|--|---------------------------|---|--|--|---------------------|--------------------------------------|
| Product description | Claimed equiv. conventional lamp power | Nominal current | Operating frequency | Max. lamp no. on circuit break. 16 A (B) | Max. lamp no. on circuit break. 10 A (B) | Rated wattage | Nominal voltage |
| ST8AU-EM 1560 W/840 1200 mm | 36 W | 72 mA | 50...60 Hz | | | | |
| ST8AU-EM 1560 W/865 1200 mm | 36 W | 72 mA | 50...60 Hz | | | | |
| ST8AU-EM 2310 W/830 1500 mm | 58 W | 106 mA | 50...60 Hz | | | | |
| ST8AU-EM 2310 W/840 1500 mm | 58 W | 106 mA | 50...60 Hz | | | | |
| ST8AU-EM 2310 W/865 1500 mm | 58 W | 0.106 A | 50...60 Hz | 69 | 43 | 23.10 W | 220...240 V |
| | | Photometrical data | | | | | |
| Product description | Nominal wattage | Light color (designation) | Lumen main.fact.at end of nom.life time | Color temperature | Nominal luminous flux | Rated luminous flux | Standard deviation of color matching |
| ST8AU-EM 1560 W/840 1200 mm | | Cool White | | | | | |
| ST8AU-EM 1560 W/865 1200 mm | | Cool Daylight | | | | | |
| ST8AU-EM 2310 W/830 1500 mm | | Warm White | | | | | |
| ST8AU-EM 2310 W/840 1500 mm | | Cool White | | | | | |
| ST8AU-EM 2310 W/865 1500 mm | 23.10 W | Cool Daylight | 0.70 | 6500 K | 3700 lm | 3700 lm | ≤5 sdcm |
| | | Light technical data | | Dimensions & weight | | | |
| Product description | Color rendering index Ra | Beam angle | Starting time | Overall length | Product weight | Diameter | Outer bulb |
| ST8AU-EM 1560 W/840 1200 mm | | 190 ° | | 1212.00 mm | 190.00 g | | |
| ST8AU-EM 1560 W/865 1200 mm | | 190 ° | | 1212.00 mm | 190.00 g | | |
| ST8AU-EM 2310 W/830 1500 mm | | 190 ° | | 1513.00 mm | 225.00 g | | |
| ST8AU-EM 2310 W/840 1500 mm | | 190 ° | | 1513.00 mm | 225.00 g | | |
| ST8AU-EM 2310 W/865 1500 mm | 83 | 190 ° | < 0.5 s | 1513 mm | 225.00 g | 26.7 mm | T8 |

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| | | Temperatures & operating conditions | Lifespan | | | | Additional product data |
|-----------------------------|---------|-------------------------------------|--|----------------------|------------------------|----------------------------|---------------------------------|
| Product description | Length | Ambient temperature range | Lumen maintenance at end of service life | Rated lamp life time | Nominal lamp life time | Number of switching cycles | Predecessor EAN |
| ST8AU-EM 1560 W/840 1200 mm | | -20...+50 °C | 0.7 | | | | 4058075136311, 4058075454644 |
| ST8AU-EM 1560 W/865 1200 mm | | -20...+50 °C | 0.7 | | | | 4058075136335, 4058075454668 |
| ST8AU-EM 2310 W/830 1500 mm | | -20...+50 °C | 0.7 | | | | 4058075136359, 4058075454682 |
| ST8AU-EM 2310 W/840 1500 mm | | -20...+50 °C | 0.7 | | | | 4058075136373, 4058075454705 |
| ST8AU-EM 2310 W/865 1500 mm | 1513 mm | -20...+50 °C | 0.70 | 50000 h | 50000 h | 200000 | 4058075136397, 4058075454729 |

| | | | | Certificates & standards | | | Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|-----------------------------|---------------|--------------|-----------------------------|--------------------------|-------------------------|--------------------|---|
| Product description | Successor EAN | Mercury-free | Base (standard designation) | Energy consumption | Energy efficiency class | Type of protection | Date of Declaration |
| ST8AU-EM 1560 W/840 1200 mm | 4058075611931 | Yes | | 16.00 kWh/1000h | C | | 18-04-2022 |
| ST8AU-EM 1560 W/865 1200 mm | 4058075611955 | Yes | | 16.00 kWh/1000h | C | | 18-04-2022 |
| ST8AU-EM 2310 W/830 1500 mm | 4058075611979 | Yes | | 24.00 kWh/1000h | D | | 18-04-2022 |
| ST8AU-EM 2310 W/840 1500 mm | 4058075611993 | Yes | | 24.00 kWh/1000h | C | | 18-04-2022 |
| ST8AU-EM 2310 W/865 1500 mm | 4058075612013 | Yes | G13 | 24 kWh/1000h | C | IP20 | 18-04-2022 |

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| Product description | Primary Article Identifier | Declaration No. in SCIP database |
|-----------------------------|-------------------------------|----------------------------------|
| ST8AU-EM 1560 W/840 1200 mm | 4058075454644 4058075611931 | In work |
| ST8AU-EM 1560 W/865 1200 mm | 4058075454668 4058075611955 | In work |
| ST8AU-EM 2310 W/830 1500 mm | 4058075454682 4058075611979 | In work |
| ST8AU-EM 2310 W/840 1500 mm | 4058075454705 4058075611993 | In work |
| ST8AU-EM 2310 W/865 1500 mm | 4058075454729 4058075612013 | In work |

— ST8AU-EM 1560 W/840 1200 mm,
ST8AU-EM 1560 W/865 1200 mm,
ST8AU-EM 2310 W/830 1500 mm,
ST8AU-EM 2310 W/840 1500 mm,
ST8AU-EM 2310 W/865 1500 mm

Equipment / Accessories

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

Application advice

For more detailed application information and graphics please see product datasheet.

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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 |
|---------------|-----------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4058075611931 | ST8AU-EM 1560 W/840 1200 mm | Shipping carton box 10 | 1335 mm x 180 mm x 95 mm | 22.83 dm ³ | 2575.00 g |
| 4058075611955 | ST8AU-EM 1560 W/865 1200 mm | Shipping carton box 10 | 1352 mm x 210 mm x 115 mm | 32.65 dm ³ | 2729.00 g |
| 4058075611979 | ST8AU-EM 2310 W/830 1500 mm | Shipping carton box 10 | 1652 mm x 210 mm x 115 mm | 39.90 dm ³ | 3440.00 g |
| 4058075611993 | ST8AU-EM 2310 W/840 1500 mm | Shipping carton box 10 | 1635 mm x 180 mm x 95 mm | 27.96 dm ³ | 3247.00 g |
| 4058075612013 | ST8AU-EM 2310 W/865 1500 mm | Shipping carton box 10 | 1635 mm x 180 mm x 95 mm | 27.96 dm ³ | 3247.00 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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