

Product family datasheet

SubstiTUBE Advanced UO EM

LED tubes for electromagnetic control gear (CCG)



Technical data

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

Product family datasheet

		Temperatures & operating conditions	Lifespan				Additional product data
Product description	Diameter	Ambient temperature range	Lumen maintenance at end of service life	Nominal lamp life time	Rated 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	26.7 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 efficiency class	Energy consumption	Type of protection	Date of Declaration
ST8AU-EM 1560 W/840 1200 mm	4058075611931	Yes		C	16.00 kWh/1000h		18-04-2022
ST8AU-EM 1560 W/865 1200 mm	4058075611955	Yes		C	16.00 kWh/1000h		18-04-2022
ST8AU-EM 2310 W/830 1500 mm	4058075611979	Yes		D	24.00 kWh/1000h		18-04-2022
ST8AU-EM 2310 W/840 1500 mm	4058075611993	Yes		C	24.00 kWh/1000h		18-04-2022
ST8AU-EM 2310 W/865 1500 mm	4058075612013	Yes	G13	C	24 kWh/1000h	IP20	18-04-2022

Product family datasheet

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.

Product family datasheet

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
4058075454668	ST8AU-EM 1560 W/865 1200 mm	Shipping carton box 10	1352 mm x 210 mm x 115 mm	32.65 dm ³	2879.00 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
4058075454705	ST8AU-EM 2310 W/840 1500 mm	Shipping carton box 10	1652 mm x 210 mm x 115 mm	39.90 dm ³	3430.00 g
4058075611993	ST8AU-EM 2310 W/840 1500 mm	Shipping carton box 10	1652 mm x 210 mm x 115 mm	39.90 dm ³	3440.00 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.

OSRAM is distribution partner
of LEDVANCE of LAMPS

OSRAM

OSRAM GmbH
Marcel-Breuer-Strasse 6
80807 Munich, Germany