

OSRAM



Electric Automation
Automation specialists

Reference: ST8A-EM 20 W/830 1500 mm
Code: 4052899956193

LED tubes OSRAM SubstiTUBE®
Advanced T8 EM-R, With bushings rotary
ST8A-1.5 m-20W-830-EM-Rot

Buy it at Electric Automation Network



ST8A-EM 20 W/830 1500 mm

Electrical data

Nominal wattage	20.00 W
Rated wattage	20.00 W
Rated lamp efficacy (standard condition)	137 lm/W
Nominal voltage	220 240 V
Operating frequency	50 60 Hz
Nominal current	0.095 To
Type of current	AC
Max. lamp no. on circuit break. 10 (B)	65 / 12 / 70
Max. lamp no. on circuit break. 16 (B)	105 / 20 / 110
Power factor λ	> 0.90

Photometrical data

Light color (designation)	Warm White
Rated color temperature	3000 K
Nominal luminous flux	2750 lm
Rated luminous flux	2750 lm
Color rendering index Ra	>80

Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	≤4 sdc _m

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	150.00 °

Dimensions & weight

Overall length	1513 mm
Length with base excl. base pins/connection	1499.00 mm
Tube diameter	27.3 mm
Base diameter	27.3 mm
Product weight	335.00 g

Temperatures & operating conditions

Ambient temperature range	-20 to +50 °C
Maximum temperature at tc test point	70 °C

Lifespan

Lifespan	50000 h
Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Number of switching cycles	200000

Atd>

Base (standard designation)	G13
Mercury-free	Yes
Product remark	When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system/Not usable in luminaires with serial lamp connection, i.e. more than one tube at one magnetic ballast (tandem circuitry)

Capabilities

Dimmable	No
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Certificates & standards

Type of protection	IP20
Standards	CE; VDE

Energy efficiency class	To++
Energy consumption	20 kWh/1000h

Country specific categorizations

ILCOS	DR-20/830-G13-27.5/1500
Order reference	ST8A-1.5 M 20W/8

Logistical data

Temperature range at storage	-20 to 80 °C
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