



CerMH MR16

CMH20/MR16/UVC/U/830/GX10/FL TU
93102193

Product information

CerMH lamps combine HPS technology

(providing stability, efficiency & uniformity) and Metal Halide Technology (providing bright white quality light) to produce highly efficient light sources with good colour rendering and consistent colour performance through life. This is achieved by using the ceramic arc tube material from the Tulox lamp, which minimises the chemical changes inside the lamp through life.

Application areas



Retail



Industrial

Product data

Product Code	93102193
Bulb Shape	Reflector MR16
Bulb Finish	Clear
Regulatory comment	ECODESIGN Scope 2019/2020 EU
Bulb maximum overall diameter [mm]	51
Maximum Overall Length [mm]	55
Arc Gap	3.35
Net weight per piece [g]	60
Gross weight per piece [g]	92
Operating position	U - Universal
Mercury Content [mg]	2.3
UV radiance	Exempt
RoHS compliant	Yes
Brand	Tungsräm
Cap/Base	GX10

Performance data

Nominal/ Rated Beam Angle [°]	25
Colour Code	830
Rated peak intensity in [Cd]	2900
Weighted energy consumption [kWh/1000h]	20.0
Useful lumens (at 90° cone) [lm]	800
Rated useful lumens [lm]	800
Rated efficacy [lm/W]	40.6
Energy efficiency class (EEC)	G
Rated lumen maintenance factor (2000 hours)	0.745
Rated lumen maintenance factor (4000 hours)	0.679
Rated lumen maintenance factor (6000 hours)	0.642
Rated lumen maintenance factor (8000 hours)	0.576
Rated lumen maintenance factor (12000 hours)	0.576
Rated survival factor (2000 hours)	1
Rated survival factor (4000 hours)	0.997
Rated survival factor (6000 hours)	0.979
Rated survival factor (12000 hours)	0.5
Nominal chromaticity coordinate X	0.434
Nominal chromaticity coordinate Y	0.398
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	800
Colour Rendering Index (CRI) [Ra]	80

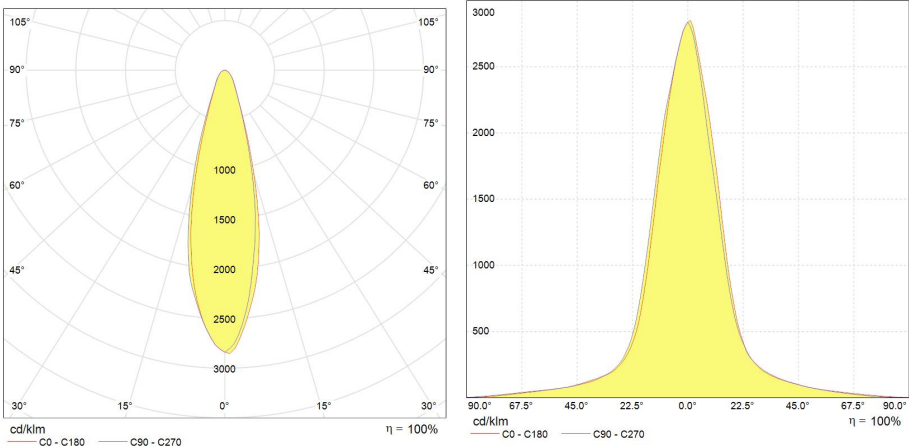
Electrical data

Rated power [W]	19.7
Lamp Current [A]	0.21
Run-up time (sec)	<90
Starting time (sec)	<5
Hot restart time (sec)	<300
Dimming Capability	No
Ballast Required	Yes
Nominal lamp voltage range [V]	95
Nominal power [W]	20
Nominal lamp voltage [V]	95

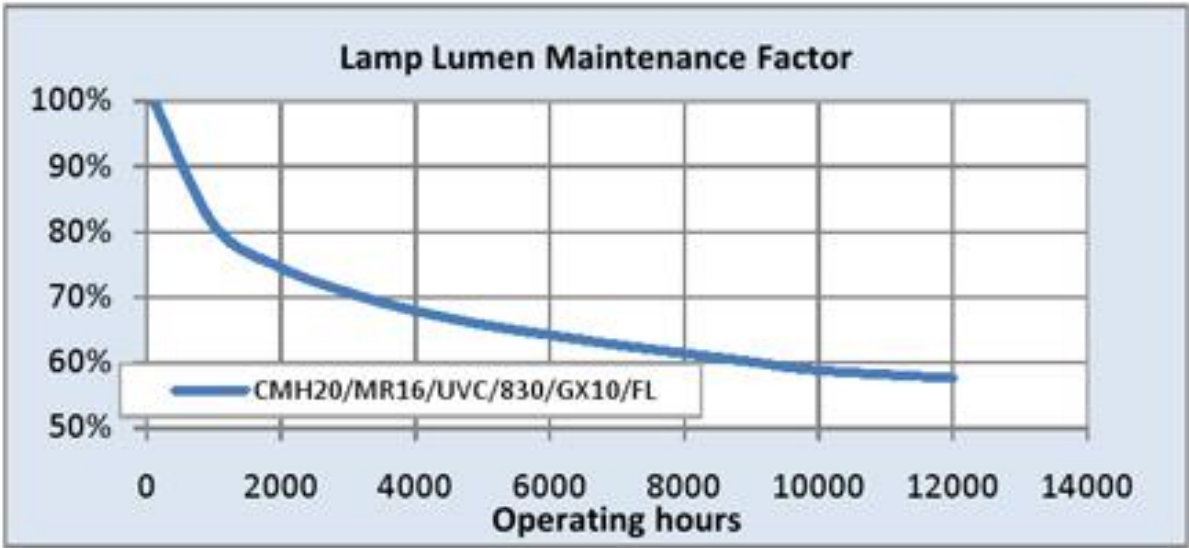
Logistic data

Shipment	Standard
DUN Code	15994100017193
EAN Code	5994100017196
Pack Quantity	12
Inner pack type	BOX
Layer quantity	288 EUR. 348 UK
Layer quantity EUR	288
Layer quantity UK	348
Pallet quantity EUR (PC)	4032
Pallet quantity UK (PC)	4872
Outer case size	226 x 171 x 77 (mm)
Product status	Available

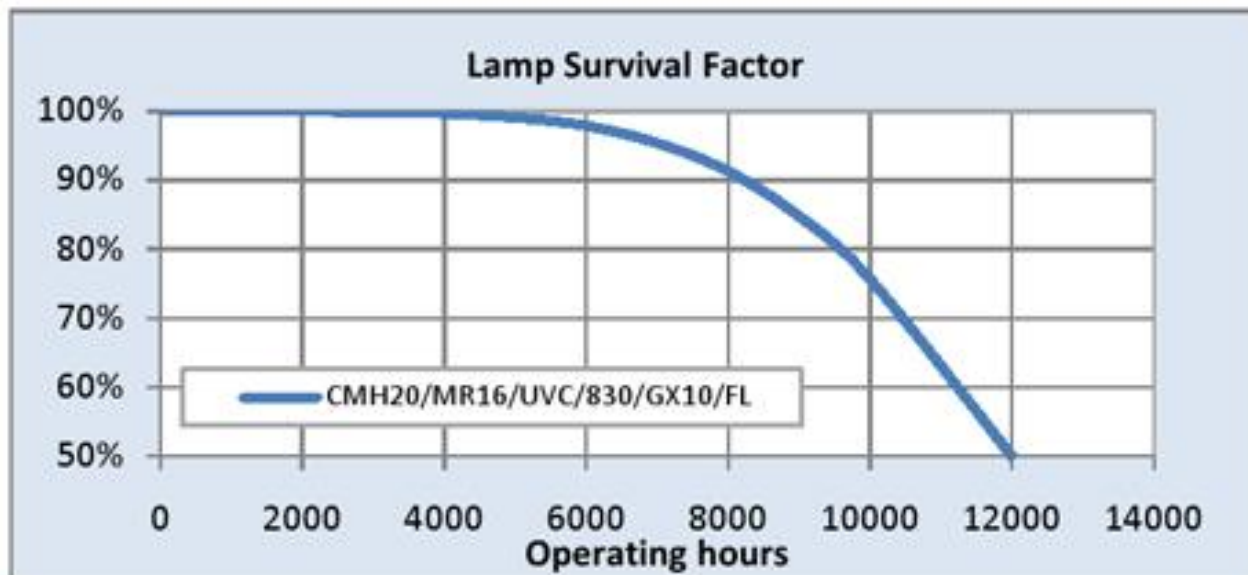
Light distribution



Lumen maintenance data



Survival data



Downloads & Links

[Go to the catalog site \(HTTP\)](#)

[Photometry \(IES\)](#)

[Product datasheet \(PDF\)](#)

[High-res images / Technical drawings \(HTTP\)](#)