



22

kWh/1000h

50

lumens/watt

CerMH PAR 20

CMH20PAR20/UVC/830/E27/FL25
26481

Product information




CerMH lamps combine the HPS technology

(providing stability, efficiency & uniformity) and the Metal Halide Technology (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. When combined with the halide doses used in ARC Metal Halide lamps then the quality and stability of the dose maintains the colour consistency. Metal Halide lamps then the quality and stability of the dose maintains the colour consistency. Hence the name CerMH.

Metal halide lamps, traditionally made with quartz arc tubes, are prone to colour shift through life and lamp-to-lamp colour variation. Some of the dose, e.g. sodium, (an important component of metal halide lamps), can migrate through quartz to cause colour shift and loss of light through life. The ceramic arc tube resists this material loss, can be manufactured to tighter tolerances and

withstands a higher temperature to provide a more constant colour.

Application areas

-  Road and tunnel
-  Street and pedestrian
-  Commercial areas

Product data

Product Code	26481
Bulb Shape	PAR
Bulb Finish	Clear
Bulb Diameter [mm]	64
Maximum Overall Length [mm]	92
Net weight per piece [g]	107
Gross weight per piece [g]	187
Operating position	U - Universal
Mercury Content [mg]	2.4
UV radiance	Exempt
Brand	GE Lighting
Cap/Base	E27

Performance data

Nominal/ Rated Beam Angle [°]	25
Colour Code	830
Rated Lumens [lm]	1087
Weighted energy consumption [kWh/1000h]	21.85
Useful lumens (at 90° cone) [lm]	1087
Nominal efficacy [LpW]	50
Rated efficacy [LpW]	54.7
Energy efficiency class (EEC)	A
Rated average life [h]	12000
Nominal chromaticity coordinate X	0.436
Nominal chromaticity coordinate Y	0.4
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	1000
Colour Rendering Index (CRI) [Ra]	81

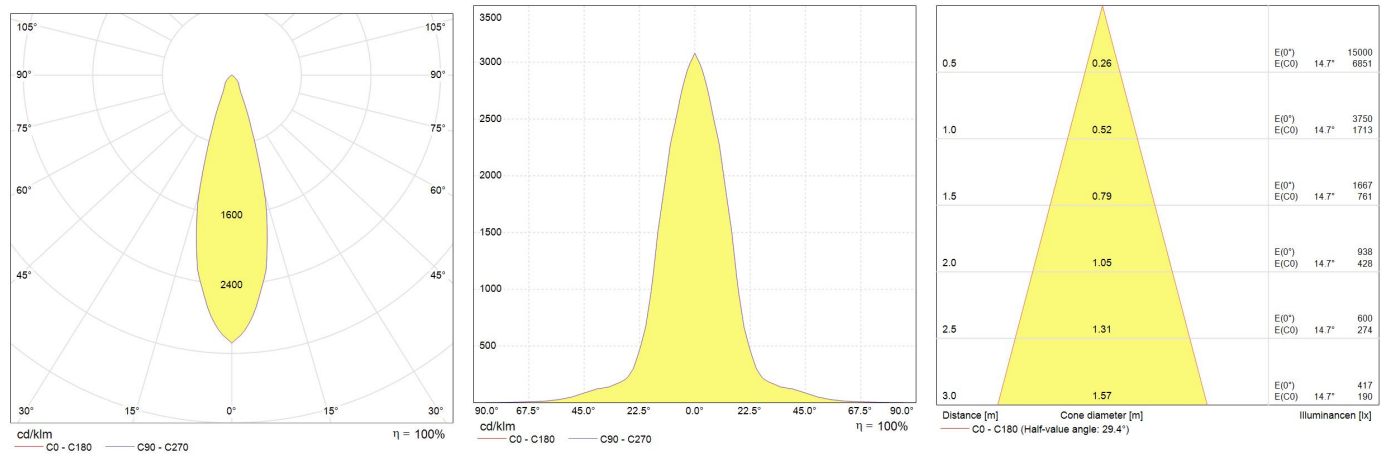
Electrical data

Rated power [W]	19.9
Lamp Current [A]	0.2
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Dimming Capability	No
Ballast Required	Yes
Nominal lamp voltage range [V]	92
Nominal power [W]	20
Nominal lamp voltage [V]	92

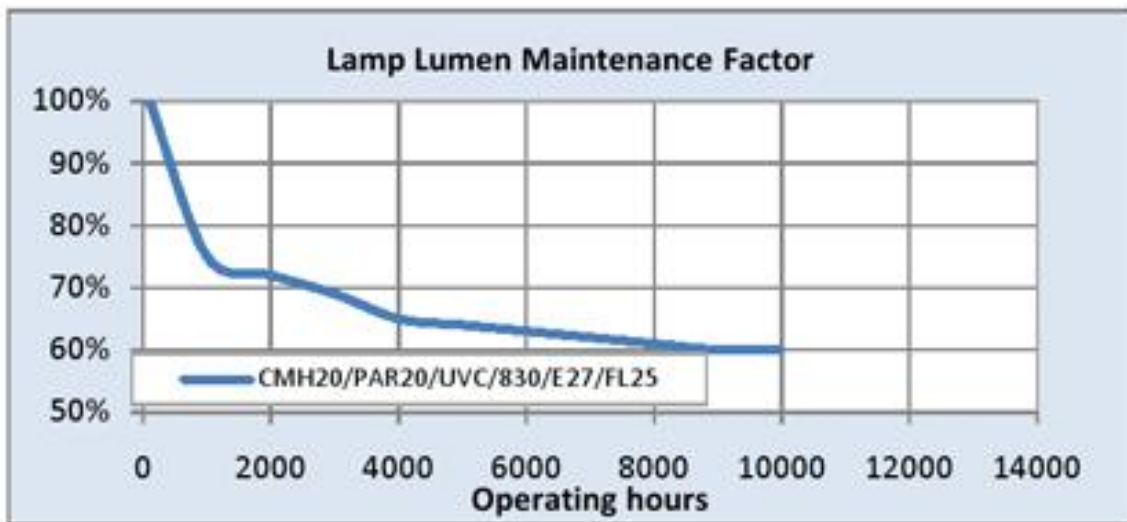
Logistic data

DUN Code	10043168264812
EAN Code	0043168264815
Pack Quantity	15
Layer quantity	135 EUR. 150 UK
Layer quantity EUR	135
Layer quantity UK	150
Pallet quantity EUR (PC)	810
Pallet quantity UK (PC)	900
Outer case size	253 x 383 x 161 (mm)
Product status	Phased-out

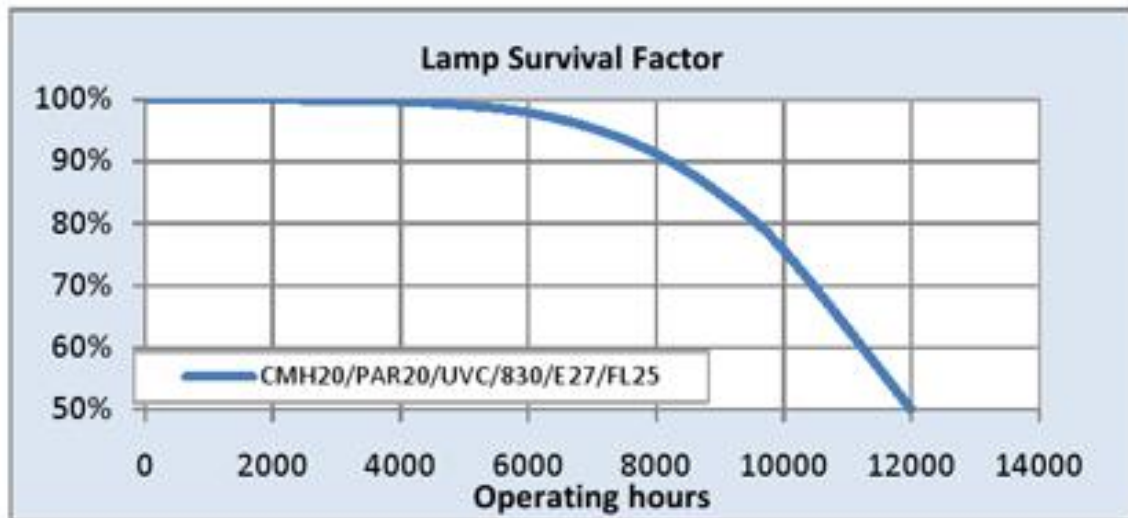
Light distribution



Lumen maintenance data



Survival data



Downloads & Links

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

[Photometry \(IES\)](#)

[HID Lamps Spectrum Catalogue \(EN\) \(PDF\)](#)

[ConstantColor™ CMH Ultra Brochure \(PDF\)](#)

[ConstantColor™ White Light CMH Brochure \(PDF\)](#)

[CMH PAR20 and PAR30 Data sheet \(PDF\)](#)

[CMH Product Safety Data Sheet \(PDF\)](#)

[Lighting design tools & calculators \(HTTP\)](#)

[Datasheet \(PDF\)](#)

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