



CerMH Tubular Clear

CMH250/TT/UVC/U/830/E40 TU
93102159

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, 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	93102159
Light Center Length [mm]	153.5
Bulb Shape	Tubular
Bulb Finish	Clear
Regulatory comment	ECODESIGN Scope 2019/2020 EU
Bulb maximum overall diameter [mm]	48
Maximum Overall Length [mm]	253
Arc Gap	16.5
Net weight per piece [g]	160
Gross weight per piece [g]	198
Operating position	U - Universal
Mercury Content [mg]	29
UV radiance	Exempt
RoHS compliant	Yes
Brand	Tungsramp
Cap/Base	E40

Performance data

Colour Code	830
Weighted energy consumption [kWh/1000h]	262.0
Rated useful lumens [lm]	25000
Rated efficacy [lm/W]	95.4
Energy efficiency class (EEC)	F
Rated lumen maintenance factor (2000 hours)	0.925
Rated lumen maintenance factor (4000 hours)	0.9
Rated lumen maintenance factor (6000 hours)	0.88
Rated lumen maintenance factor (8000 hours)	0.82
Rated lumen maintenance factor (12000 hours)	0.82
Rated lumen maintenance factor (16000 hours)	0.78
Rated lumen maintenance factor (20000 hours)	0.765
Rated survival factor (2000 hours)	1
Rated survival factor (4000 hours)	0.997
Rated survival factor (6000 hours)	0.989
Rated survival factor (12000 hours)	0.917
Rated survival factor (16000 hours)	0.814
Rated survival factor (20000 hours)	0.669
Nominal chromaticity coordinate X	0.434
Nominal chromaticity coordinate Y	0.398
Nominal correlated colour temperature (CCT) [K]	3600
Nominal lumens [lm]	25000
Colour Rendering Index (CRI) [Ra]	80

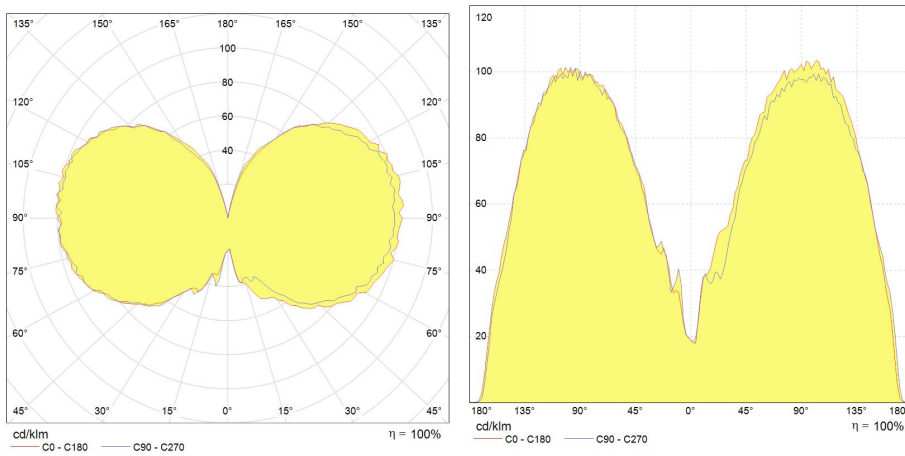
Electrical data

Rated power [W]	262.0
Lamp Current [A]	2.7
Run-up time (sec)	<300
Starting time (sec)	<10
Hot restart time (sec)	<300
Dimming Capability	only with specific dimmers
Ballast Required	Yes
Nominal lamp voltage range [V]	110
Nominal power [W]	250
Nominal lamp voltage [V]	110

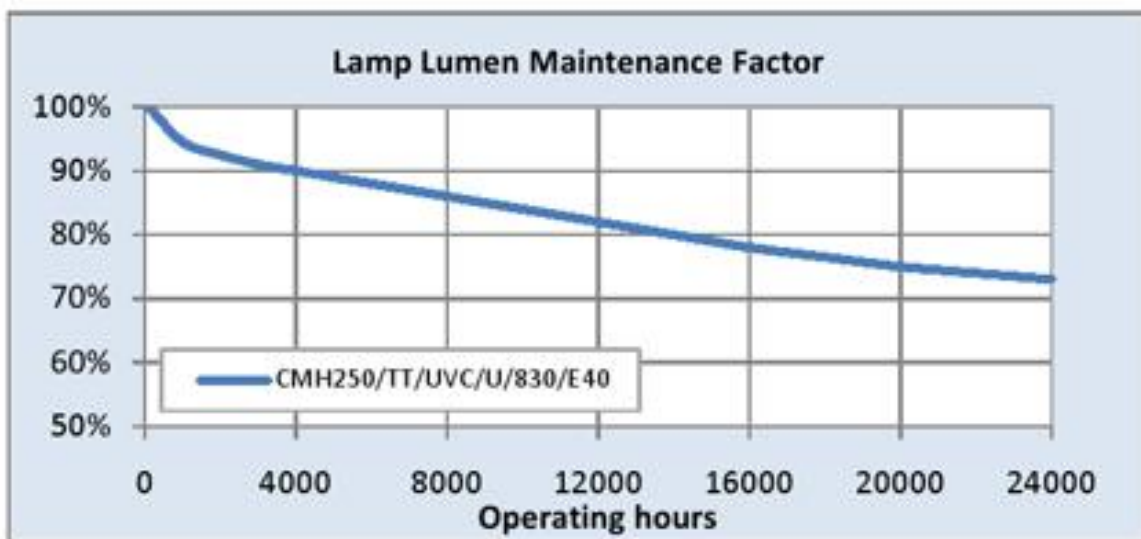
Logistic data

Shipment	Standard
DUN Code	15994100016851
EAN Code	5994100016854
Pack Quantity	12
Inner pack type	BOX
Outer pack type	OUTER BOX
Layer quantity	288 EUR, 372 UK
Layer quantity EUR	288
Layer quantity UK	372
Pallet quantity EUR (PC)	864
Pallet quantity UK (PC)	1116
Outer case size	215 x 162 x 349 (mm)
Product status	Available

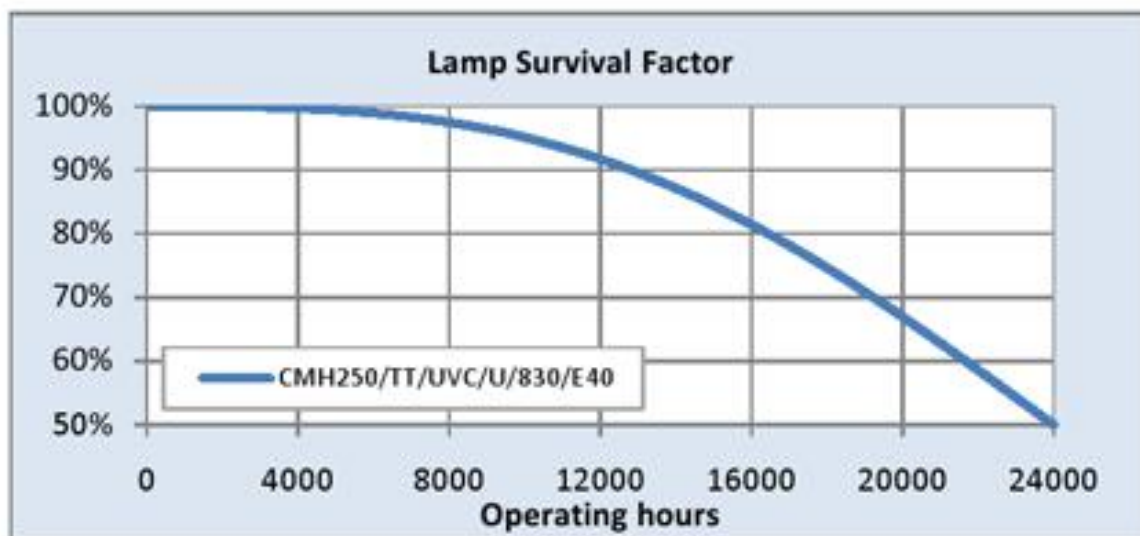
Light distribution



Lumen maintenance data



Survival data



Downloads & Links

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

[Photometry \(IES\)](#)

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

[Link to EPREL \(HTTP\)](#)

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