



GE
Lighting

111
kWh/1000h

A+
energy class

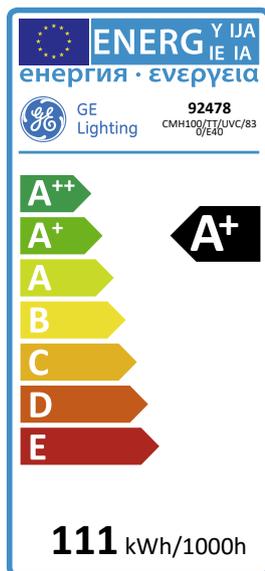
92
lumens/watt



ConstantColor™ CMH Tubular Clear CMH100/TT/UVC/830/E40 92478

Product information

ConstantColor™ CMH lamps combine the HPS technology (providing stability, efficiency & uniformity) and the 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 Lucalox™ lamp, which minimises the chemical changes inside the lamp through life. When combined with the halide doses used in Arcstream™ Metal Halide lamps then the quality and stability of the dose maintains the colour consistency. Hence the name ConstantColor™ CMH. Metal halide lamps, traditionally made with quartz arc tubes, are prone to colour shift through life and lampto-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	92478
Bulb Shape	Tubular
Bulb Finish	Clear
Maximum Overall Length [mm]	211
Light Center Length [mm]	132
Net weight per piece [g]	120
Gross weight per piece [g]	127
Operating position	U - Universal
Mercury Content [mg]	7
UV radiance	Exempt
Brand	General Electric (GE)
Cap/Base	E40

Performance data

Colour Code	830
Rated Lumens [lm]	9880
Weighted energy consumption [kWh/1000h]	110.28
Nominal efficacy [LpW]	92
Rated efficacy [LpW]	98.5
Energy efficiency class (EEC)	A+
Nominal chromaticity coordinate X	0.431
Nominal chromaticity coordinate Y	0.398
Nominal correlated colour temperature (CCT) [K]	2900
Nominal lumens [lm]	9200
Colour Rendering Index (CRI) [Ra]	80

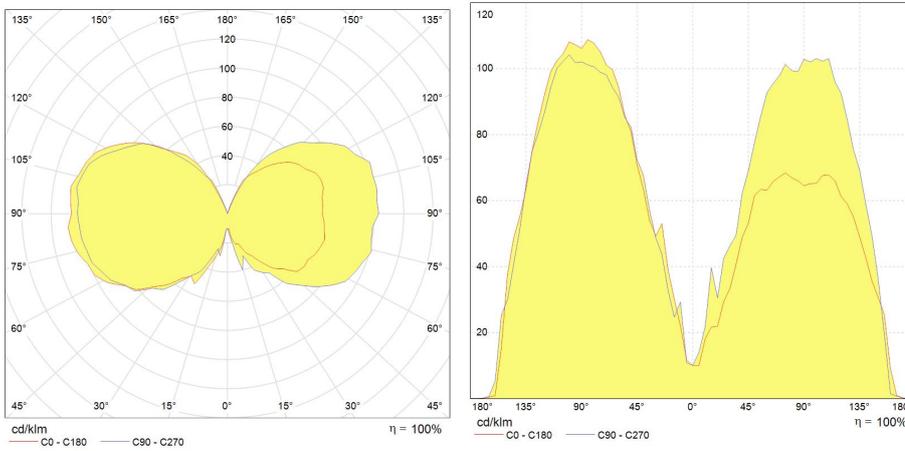
Electrical data

Rated power [W]	100.3
Lamp Current [A]	1.2
Design Ambient Temperature [°C]	25
Run-up time (sec)	240
Hot restart time (sec)	900
Ballast Required	Yes
Nominal power [W]	100
Nominal lamp voltage [V]	109

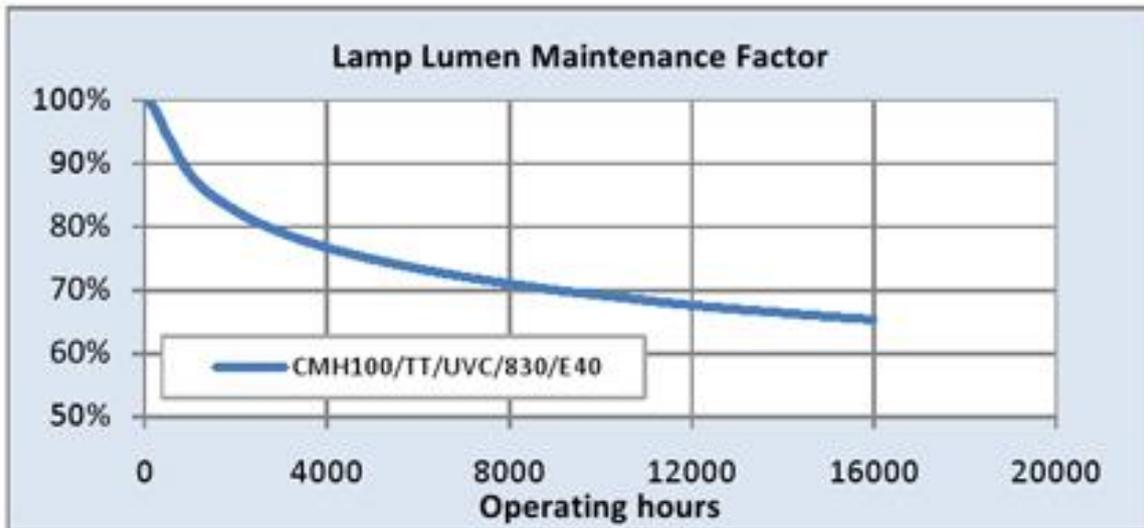
Logistic data

DUN Code	00043168924788
EAN Code	0043168924788
Pack Quantity	12
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 284 (mm)
Product status	Available

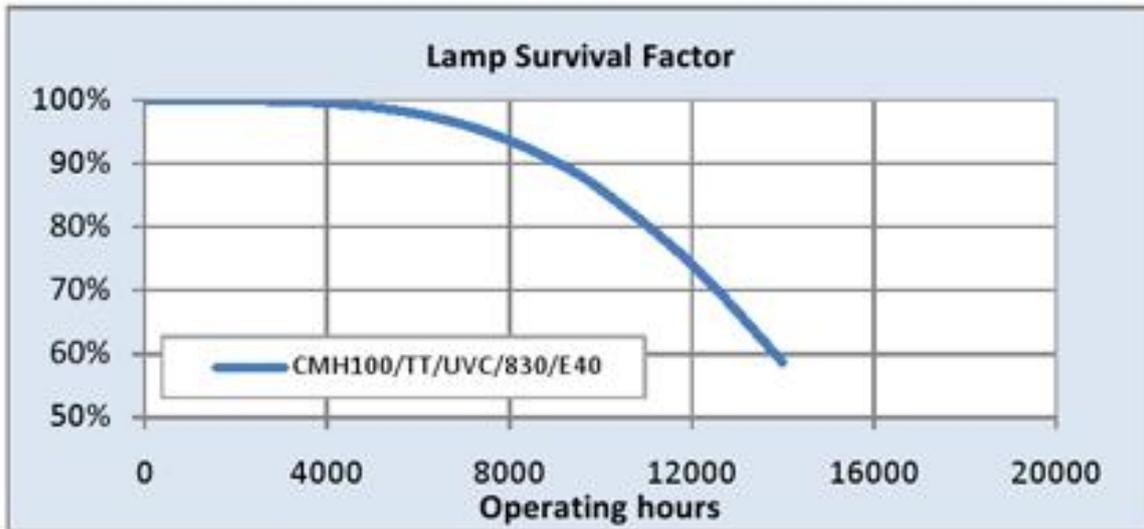
Photometric Data



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 Tubular Clear Data sheet \(PDF\)](#)

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

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

[Certificate for the Quality Management System of GE Lighting EMEA \(PDF\)](#)

[Certificate for the Environmental Management System of GE Lighting EMEA \(PDF\)](#)