

162
kWh/1000h

A+
energy class

97
lumens/watt

ConstantColor™ CMH Tubular Clear

CMH150/UVC O/T/U/830/E40
21516

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

Light Center Length [mm]	132
Product Code	21516
Bulb Shape	Tubular
Bulb Finish	Clear
Maximum Overall Length [mm]	207
Net weight per piece [g]	150
Gross weight per piece [g]	222
Operating position	U - Universal
Mercury Content [mg]	10.4
UV radiance	Exempt
Brand	GE Lighting
Cap/Base	E40

Performance data

Colour Code	830
Rated Lumens [lm]	14260
Weighted energy consumption [kWh/1000h]	161.06
Nominal efficacy [LpW]	97
Rated efficacy [LpW]	97.4
Energy efficiency class (EEC)	A+
Nominal chromaticity coordinate X	0.444
Nominal chromaticity coordinate Y	0.406
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	14500
Colour Rendering Index (CRI) [Ra]	80

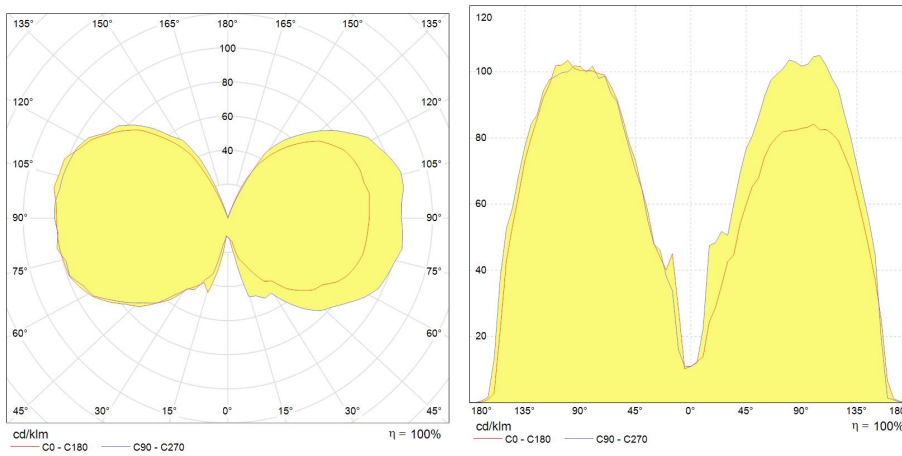
Electrical data

Rated power [W]	146.4
Lamp Current [A]	1.8
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Hot restart time (sec)	900
Ballast Required	Yes
Nominal power [W]	150.0
Nominal lamp voltage [V]	100

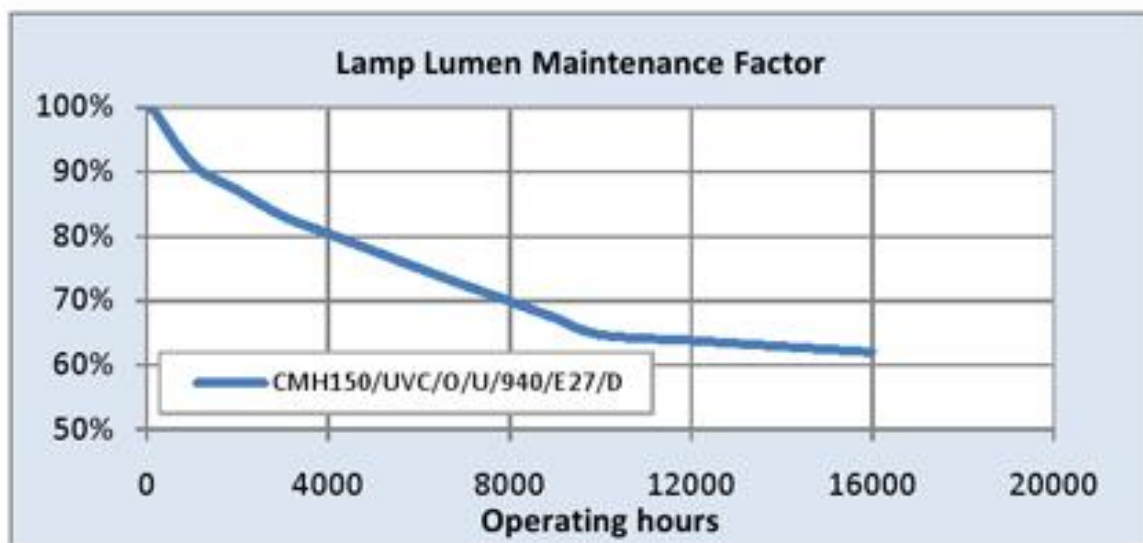
Logistic data

DUN Code	20043168215163
EAN Code	0043168215169
Pack Quantity	12
Layer quantity	156 EUR, 204 UK
Layer quantity EUR	156
Layer quantity UK	204
Pallet quantity EUR (PC)	468
Pallet quantity UK (PC)	612
Outer case size	293 x 233 x 296 (mm)
Product status	Available

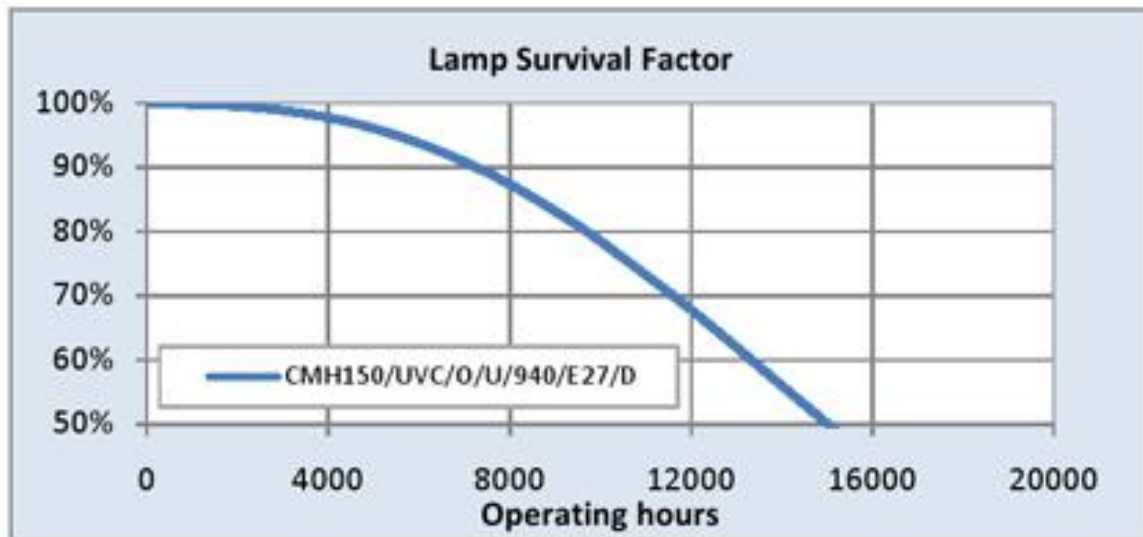
Photometric Data



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 \(PDF\)](#)

[ConstantColor™ CMH Open Rated Data sheet \(PDF\)](#)

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

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

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

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

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

[CMH Dimmable 150W Data sheet \(PDF\)](#)

[ConstantColor™ CMH Open Rated Data sheet \(PDF\)](#)

[ConstantColor™ CMH High watt. datasheet \(PDF\)](#)

[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 \(PDF\)](#)