



GE
Lighting

162
kWh/1000h

A+
energy class

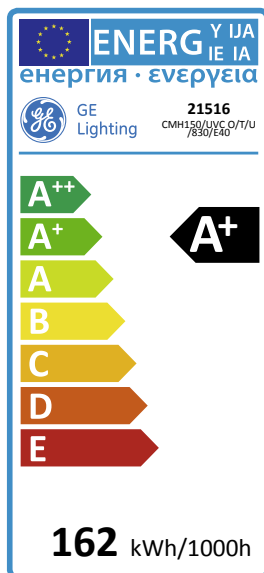
97
lumens/watt





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

 Commercial areas  Street and pedestrian

 Road and tunnel

Product data

Cap/Base	E40
Bulb Shape	Tubular
Bulb Finish	Clear
Maximum Overall Length [mm]	207
Light Center Length [mm]	132
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	General Electric (GE)

Performance data

Colour Code	830
Colour Rendering Index (CRI) [Ra]	80
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	14500
Rated Lumens [lm]	14260
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
Weighted energy consumption [kWh/1000h]	161.06

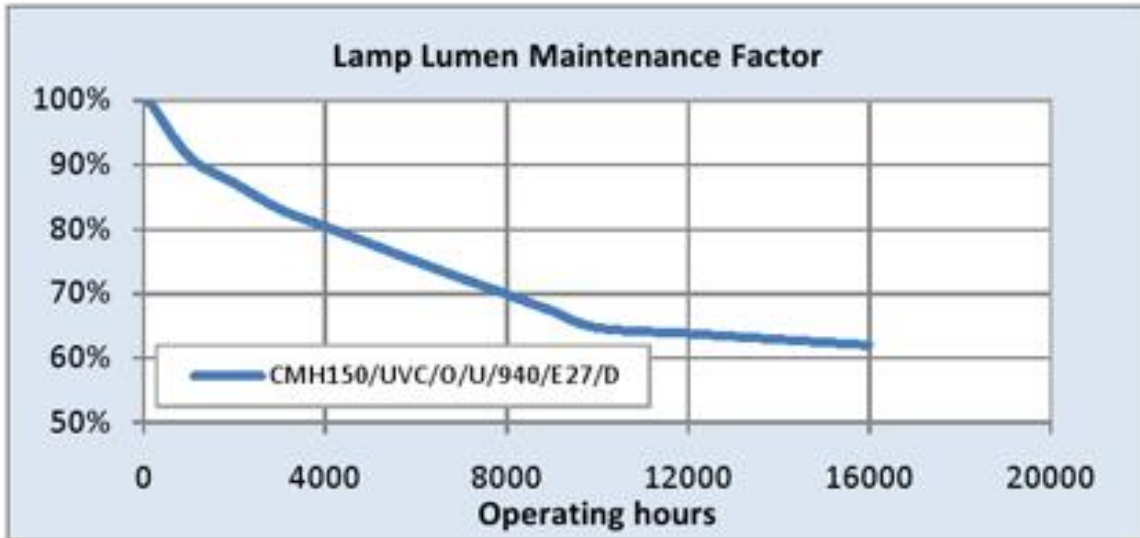
Electrical data

Nominal power [W]	150
Rated power [W]	146.4
Nominal lamp voltage [V]	100
Lamp Current [A]	1.8
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Hot restart time (sec)	900
Ballast Required	Yes

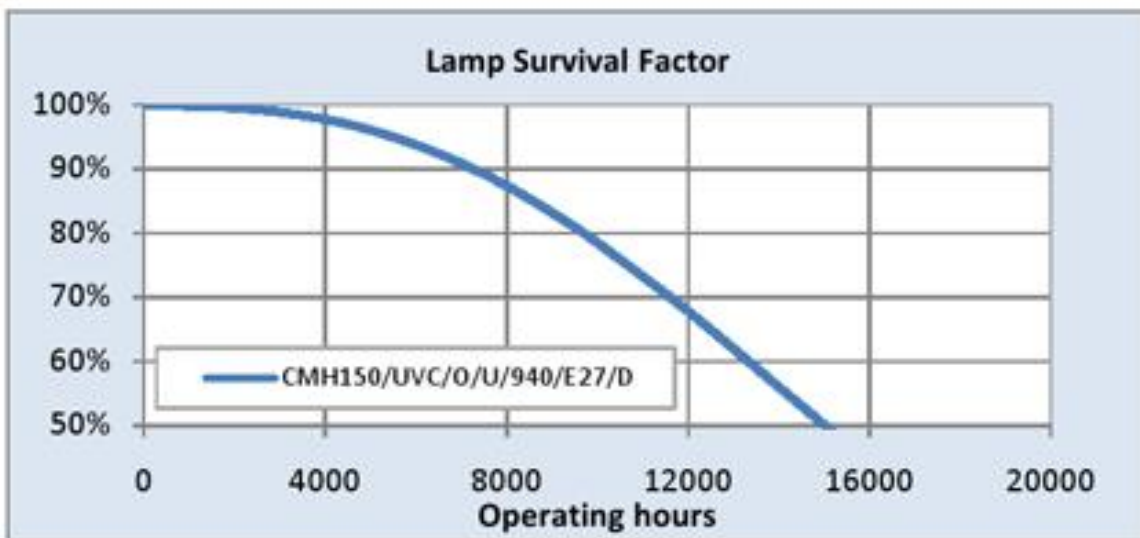
Logistic data

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

Lumen maintenance data



Survival data



Downloads & Links

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

[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 \(HTTP\)](#)

[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 \(PDF\)](#)