

165
kWh/1000h

A
energy class

82
lumens/watt

ConstantColor™ CMH Elliptical Diffuse

CMH150/E/UVC/O/U/940/E27/D 1/6
43286



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	43286
Light Center Length [mm]	86
Bulb Shape	Elliptical
Bulb Finish	Diffuse
Maximum Overall Length [mm]	137
Net weight per piece [g]	86
Gross weight per piece [g]	95
Operating position	U - Universal
Mercury Content [mg]	9
UV radiance	Exempt
Brand	GE Lighting
Cap/Base	E27

Performance data

Colour Code	940
Rated Lumens [lm]	10780
Weighted energy consumption [kWh/1000h]	164.63
Nominal efficacy [LpW]	82
Rated efficacy [LpW]	72
Energy efficiency class (EEC)	A
Nominal chromaticity coordinate X	0.378
Nominal chromaticity coordinate Y	0.375
Nominal correlated colour temperature (CCT) [K]	4000
Nominal lumens [lm]	12300
Colour Rendering Index (CRI) [Ra]	90

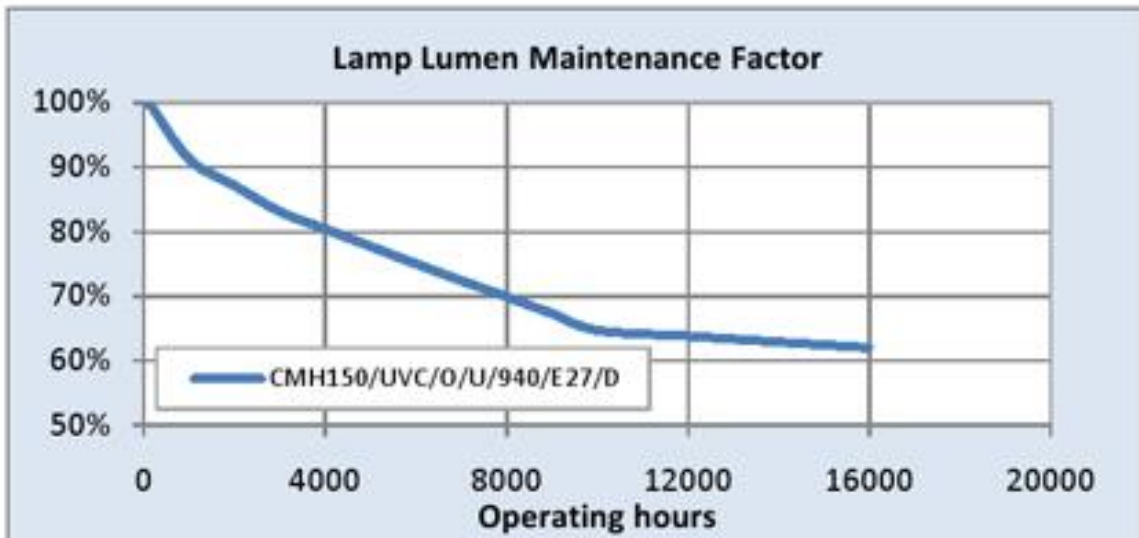
Electrical data

Rated power [W]	149.7
Lamp Current [A]	1.8
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Hot restart time (sec)	900
Dimming Capability	Yes
Ballast Required	Yes
Nominal power [W]	150
Nominal lamp voltage [V]	96

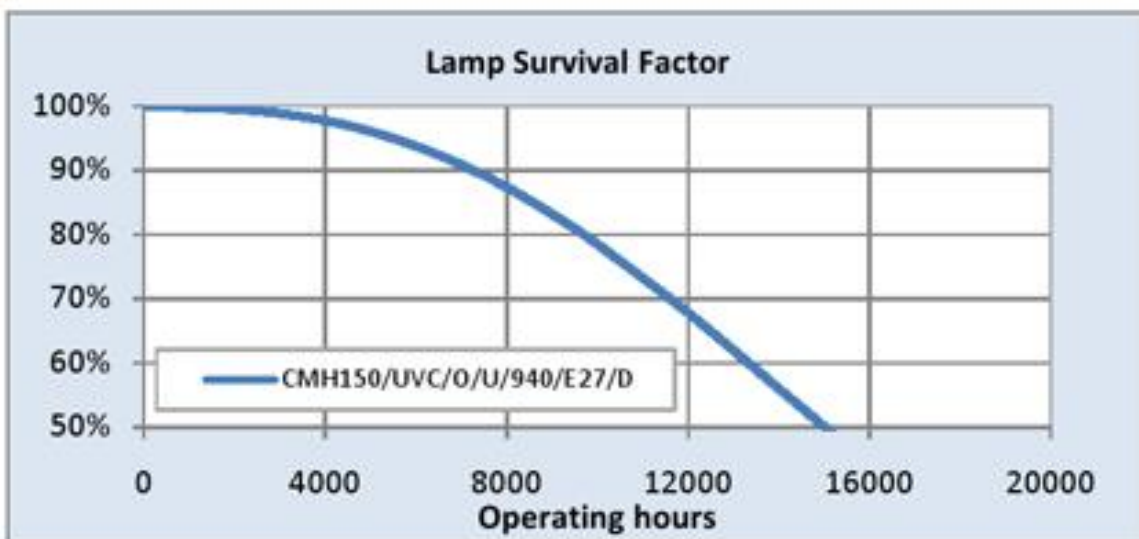
Logistic data

DUN Code	10043168432860
EAN Code	0043168432863
Pack Quantity	6
Inner pack type	BOX
Outer pack type	OUTER BOX
Layer quantity	132 EUR, 174 UK
Layer quantity EUR	132
Layer quantity UK	174
Pallet quantity EUR (PC)	792
Pallet quantity UK (PC)	1044
Outer case size	236 x 166 x 167 (mm)
Product status	Phased-out

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 \(HTTP\)](#)

