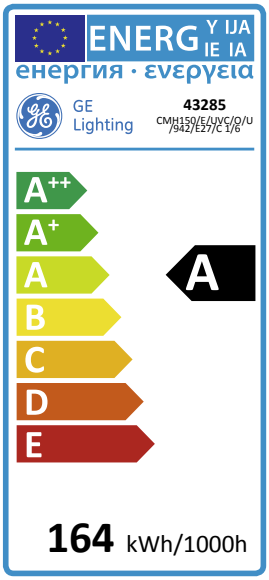
GE Lighting



164	A	88
kWh/1000h	energy class	lumens/watt

ConstantColor™ CMH Elliptical Clear

CMH150/E/UVC/O/U/942/E27/C 1/6

43285

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.

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.

CE

WORLDWIDE PARTNER

GE Lighting

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Application areas

Road and tunnel

Street and pedestrian

Commercial areas

Product data

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

Performance data

Colour Code	942
Colour Rendering Index (CRI) [Ra]	90
Nominal correlated colour temperature (CCT) [K]	4200
Nominal lumens [lm]	13200
Rated Lumens [lm]	12700
Nominal efficacy [LpW]	88
Rated efficacy [LpW]	86
Energy efficiency class (EEC)	A
Nominal chromaticity coordinate X	0.373
Nominal chromaticity coordinate Y	0.371
Weighted energy consumption [kWh/1000h]	163.27

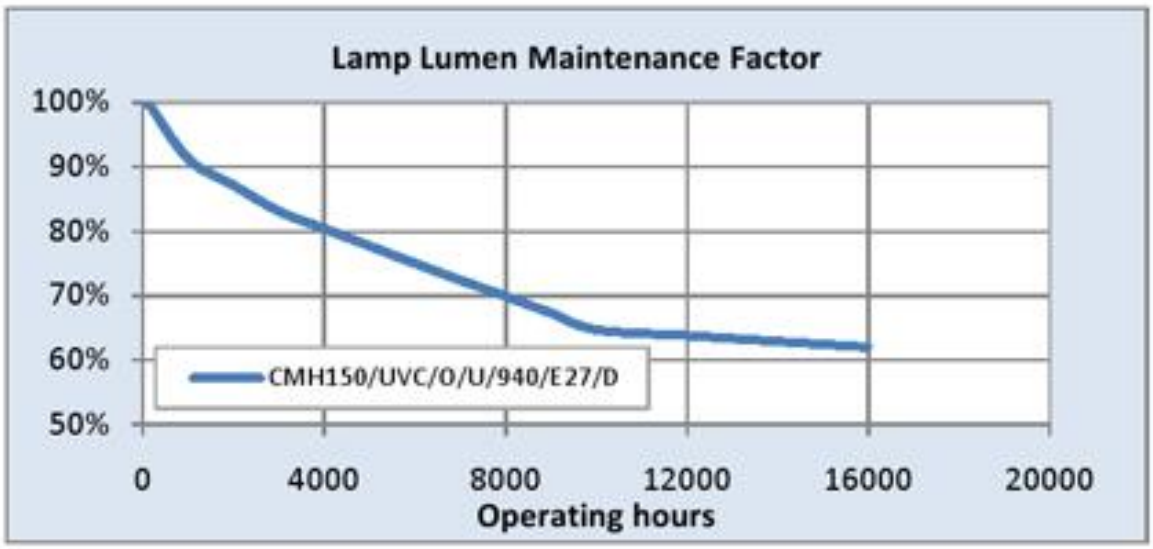
Electrical data

Nominal power [W]	150
Rated power [W]	148.4
Nominal lamp voltage [V]	96
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

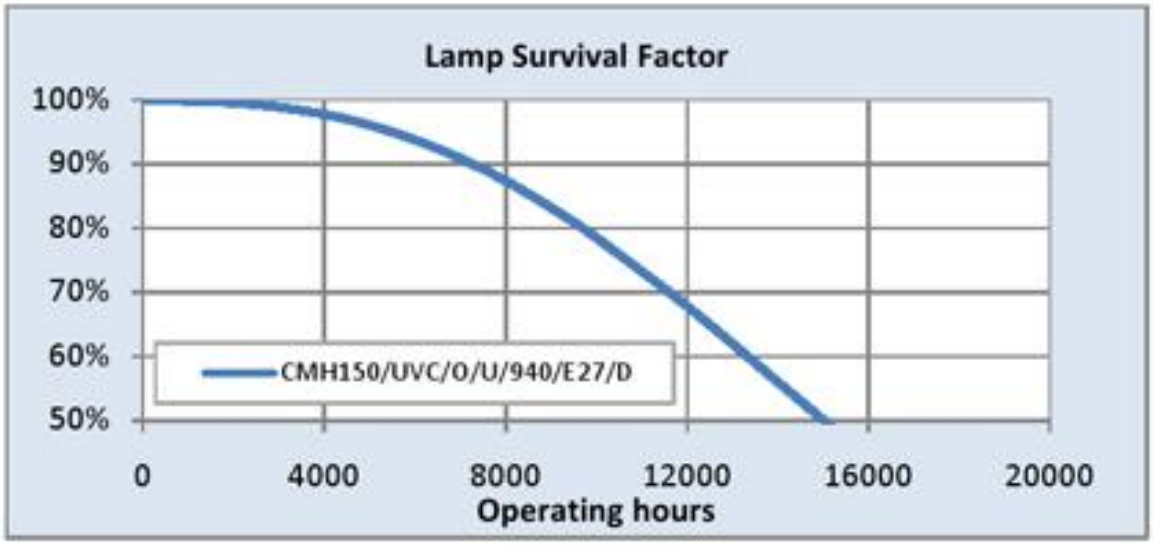
Logistic data

DUN Code	10043168432853
EAN Code	0043168432856
Pack Quantity	6
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	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)

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