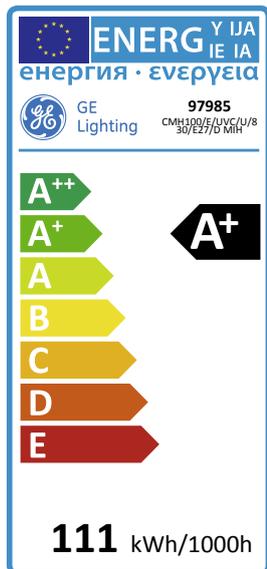




GE  
Lighting



111  
kWh/1000h

A+  
energy class

87  
lumens/watt

## ConstantColor™ CMH Elliptical Clear CMH100/E/UVC/U/830/E27/D MIH **97985**

### 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.



### Application areas



Commercial areas



Street and  
pedestrian



Road and tunnel

## Product data

Cap/Base	E27
Bulb Shape	Elliptical
Bulb Finish	Coated (Phosphor)
Bulb Diameter [mm]	55
Maximum Overall Length [mm]	142
Light Center Length [mm]	89
Net weight per piece [g]	186
Gross weight per piece [g]	186
Operating position	U - Universal
Mercury Content [mg]	7.3
Brand	General Electric (GE)

## Performance data

Colour Rendering Index (CRI) [Ra]	83
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	8700
Rated Lumens [lm]	9629
Nominal efficacy [LpW]	87
Rated efficacy [LpW]	96
Energy efficiency class (EEC)	A+
Rated average life [h]	15000
Nominal chromaticity coordinate X	0.438
Nominal chromaticity coordinate Y	0.408
Weighted energy consumption [kWh/1000h]	110.37

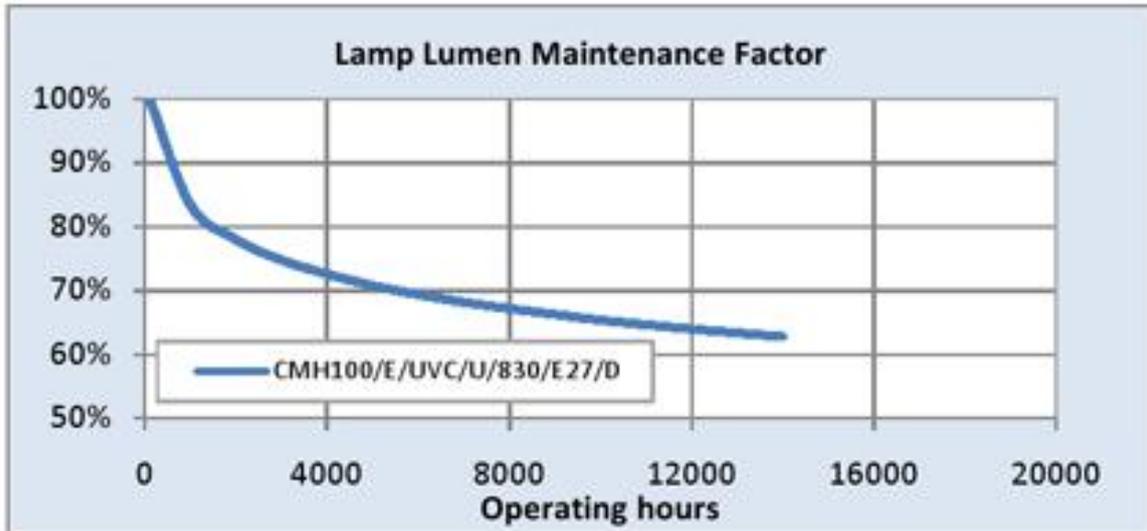
## Electrical data

Nominal power [W]	100
Rated power [W]	100.0
Nominal lamp voltage [V]	100
Run-up time (sec)	4
Hot restart time (sec)	15
Dimming Capability	No

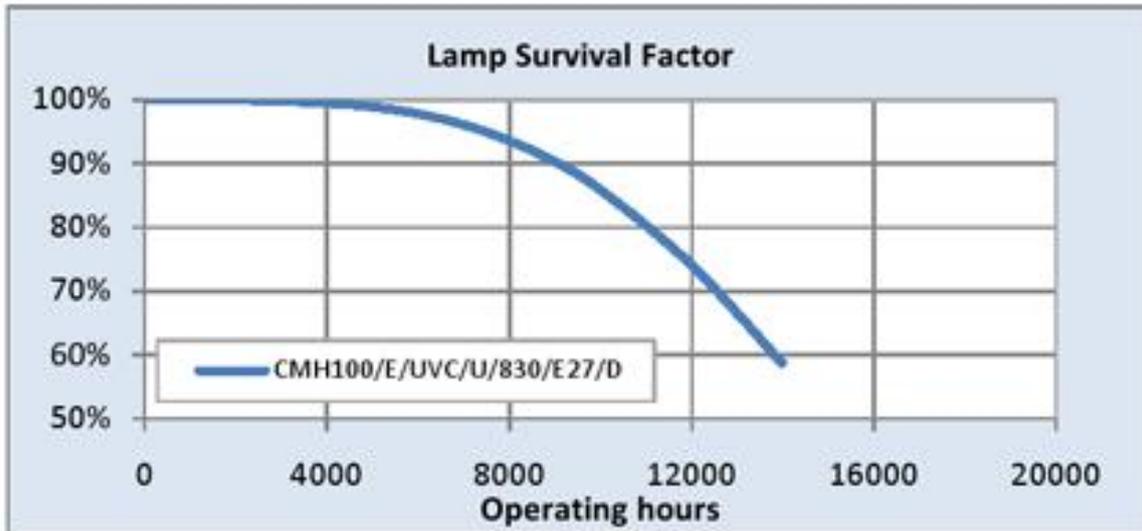
## Logistic data

DUN Code	10043168979853
EAN Code	0043168979856
Pack Quantity	6
Layer quantity	234 EUR, 300 UK
Layer quantity EUR	234
Layer quantity UK	300
Pallet quantity EUR (PC)	1404
Pallet quantity UK (PC)	1800
Outer case size	183 x 125 x 171 (mm)
Product status	Available

## Lumen maintenance data



## Survival data



## Downloads & Links

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

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

[CMH Elliptical Clear, Diffuse 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 \(PDF\)](#)