

79  
kWh/1000h

A  
energy class

86  
lumens/watt

## ConstantColor™ CMH Elliptical Diffuse CMH70/E/UVC/U/830/E27/D MIH 97979

### 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.

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### Application areas



Road and tunnel



Street and pedestrian



Commercial areas

## Product data

Light Center Length [mm]	89
Product Code	97979
Bulb Shape	Elliptical
Bulb Finish	Diffuse
Net weight per piece [g]	185
Gross weight per piece [g]	185
Operating position	U - Universal
Mercury Content [mg]	5
UV radiance	Exempt
Brand	GE Lighting
Cap/Base	E27

## Performance data

Colour Code	830
Rated Lumens [lm]	6000
Weighted energy consumption [kWh/1000h]	78.85
Rated efficacy [LpW]	82
Energy efficiency class (EEC)	A
Nominal chromaticity coordinate X	0.438
Nominal chromaticity coordinate Y	0.408
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	6000
Colour Rendering Index (CRI) [Ra]	80

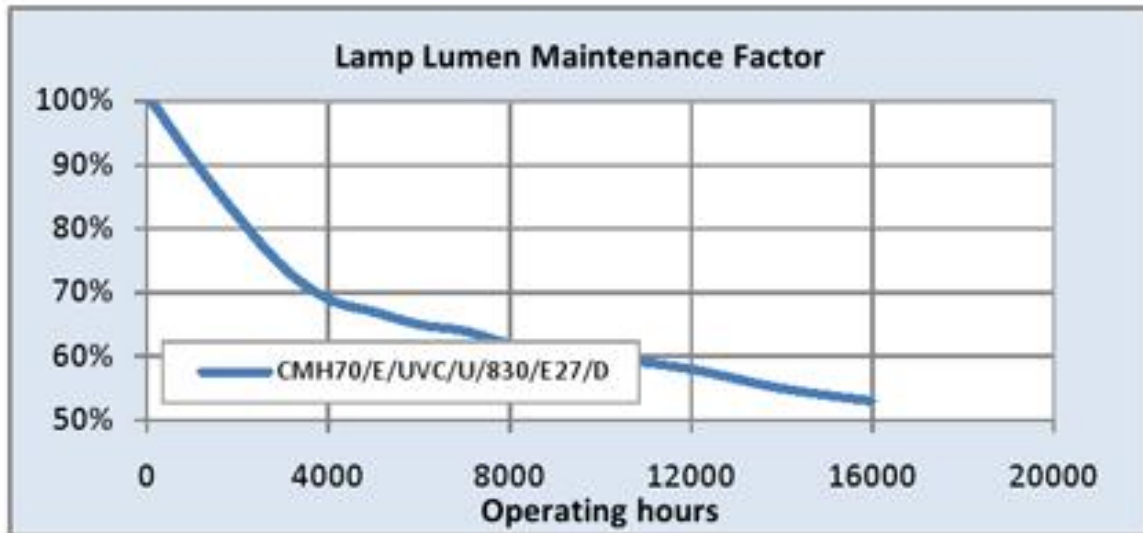
## Electrical data

Rated power [W]	71.7
Lamp Current [A]	1
Design Ambient Temperature [°C]	25
Run-up time (sec)	240
Hot restart time (sec)	900
Dimming Capability	No
Ballast Required	Yes
Nominal power [W]	70.0
Nominal lamp voltage [V]	94

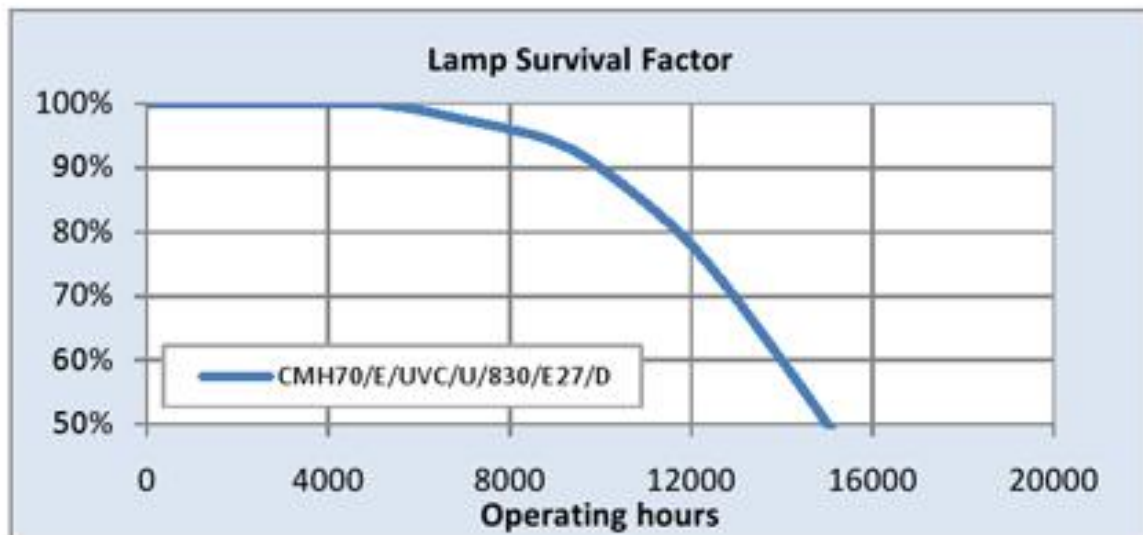
## Logistic data

DUN Code	10043168979792
EAN Code	0043168979795
Pack Quantity	6
Inner pack type	SLEEVE
Outer pack type	OUTER BOX
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 \(EN\) \(PDF\)](#)

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