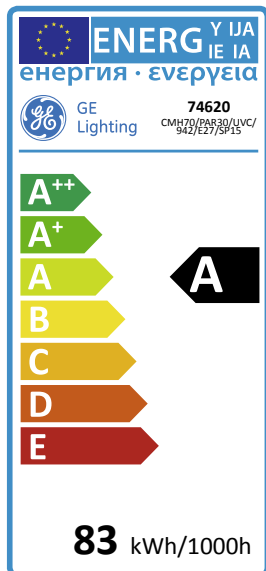




GE  
Lighting



83  
kWh/1000h

A  
energy class

61  
lumens/watt

## ConstantColor™ CMH PAR 30

CMH70/PAR30/UVC/942/E27/SP15

# 74620

### Product information

ConstantColor™ CMH lamps combine the HPS technology (providing stability, efficiency & uniformity) and the Metal Halide Technology (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 lamp-to-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

 Commercial areas  Street and pedestrian

 Road and tunnel

## Product data

Cap/Base	E27
Bulb Shape	PAR
Bulb Finish	Clear
Bulb Diameter [mm]	95.5
Maximum Overall Length [mm]	124
Net weight per piece [g]	221
Gross weight per piece [g]	262
Operating position	U - Universal
Mercury Content [mg]	6.1
UV radiance	Exempt
Brand	General Electric (GE)

## Performance data

Colour Code	942
Colour Rendering Index (CRI) [Ra]	89
Nominal correlated colour temperature (CCT) [K]	4200
Nominal beam angle [°]	15
Rated beam angle [°]	12.9
Nominal center beam candlepower (CBCP) [cd]	33500
Rated peak intensity in [Cd]	35377
Nominal lumens [lm]	4300
Rated Lumens [lm]	4051
Nominal useful lumens [lm]	4051
Rated useful lumens [lm]	4051
Nominal efficacy [LpW]	61
Rated efficacy [LpW]	53.9
Energy efficiency class (EEC)	A
Rated average life [h]	10000
Nominal chromaticity coordinate X	0.37
Nominal chromaticity coordinate Y	0.373
Weighted energy consumption [kWh/1000h]	82.62

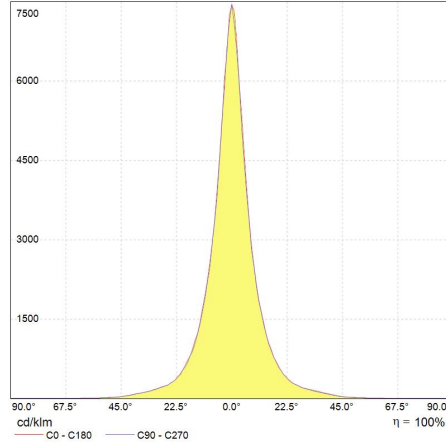
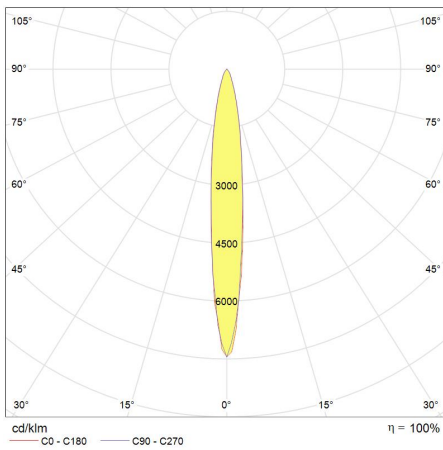
## Electrical data

Nominal power [W]	70
Rated power [W]	75.1
Nominal lamp voltage [V]	92
Lamp Current [A]	1
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Dimming Capability	Yes
Ballast Required	Yes

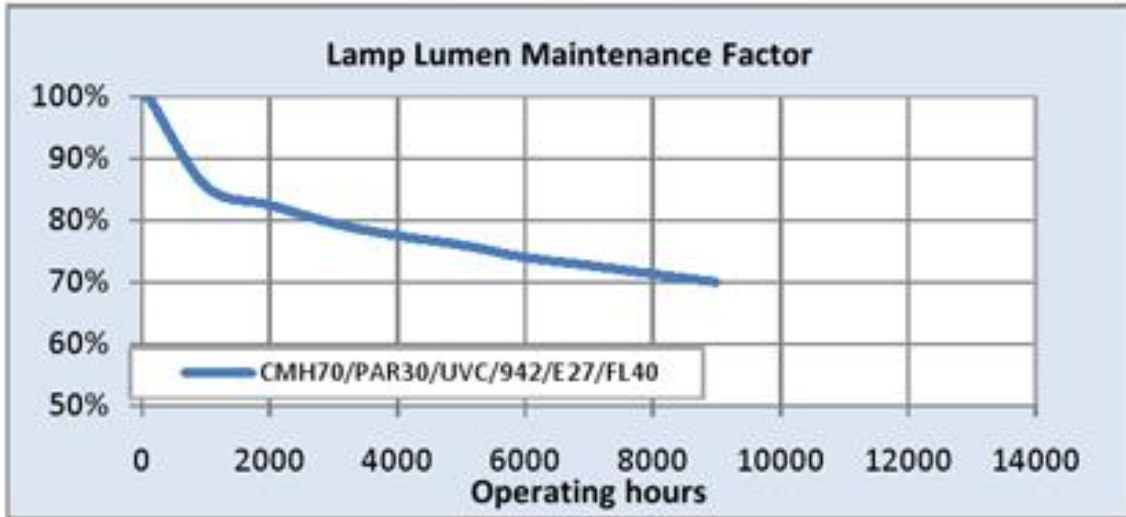
## Logistic data

DUN Code	10043168746202
EAN Code	0043168746205
Pack Quantity	6
Inner pack type	BOX
Outer pack type	OUTER BOX
Layer quantity	96 EUR, 120 UK
Layer quantity EUR	96
Layer quantity UK	120
Pallet quantity EUR (PC)	672
Pallet quantity UK (PC)	840
Outer case size	278 x 188 x 143 (mm)
Product status	Available

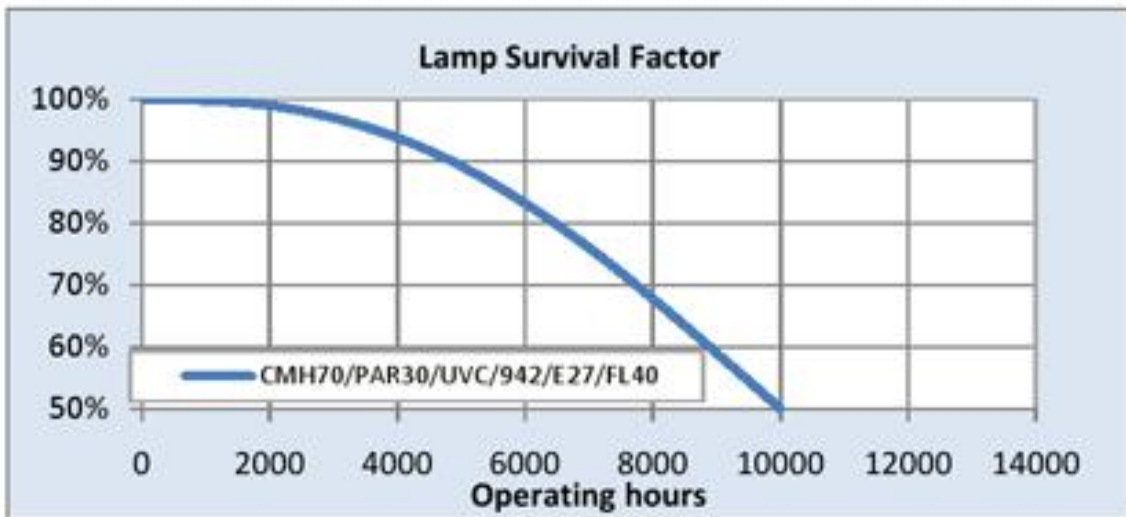
## Photometric Data



### Lumen maintenance data



### Survival data



## Downloads & Links

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

[Photometry \(IES\)](#)

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

[ConstantColor™ CMH Ultra Brochure \(PDF\)](#)

[CMH PAR20 and PAR30 Data sheet \(PDF\)](#)

[CMH Product Safety 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 \(PDF\)](#)