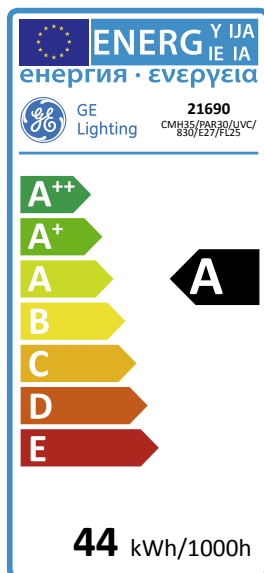




GE
Lighting



44
kWh/1000h

A
energy class

69
lumens/watt

ConstantColor™ CMH PAR 30

CMH35/PAR30/UVC/830/E27/FL25

21690

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.



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]	211
Gross weight per piece [g]	262
Operating position	U - Universal
Mercury Content [mg]	5.05
UV radiance	Exempt
Brand	General Electric (GE)

Performance data

Colour Code	830
Colour Rendering Index (CRI) [Ra]	81
Nominal correlated colour temperature (CCT) [K]	3000
Nominal beam angle [°]	25
Rated beam angle [°]	24.6
Nominal center beam candlepower (CBCP) [cd]	11000
Rated peak intensity in [Cd]	11600
Nominal lumens [lm]	2400
Rated Lumens [lm]	2368
Nominal useful lumens [lm]	2368
Rated useful lumens [lm]	2368
Nominal efficacy [LpW]	69
Rated efficacy [LpW]	60.1
Energy efficiency class (EEC)	A
Rated average life [h]	10000
Nominal chromaticity coordinate X	0.431
Nominal chromaticity coordinate Y	0.406
Weighted energy consumption [kWh/1000h]	43.35

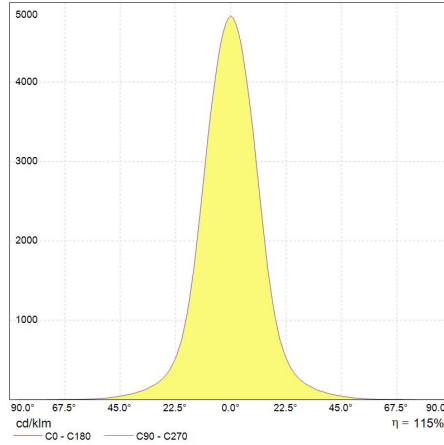
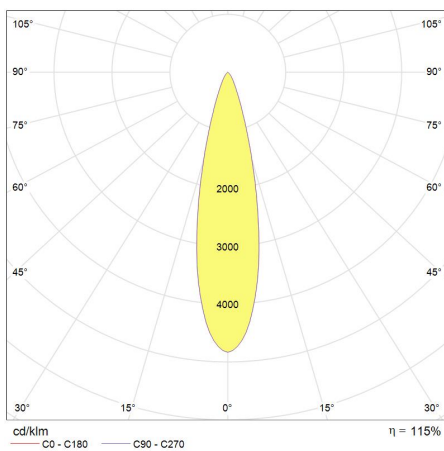
Electrical data

Nominal power [W]	35
Rated power [W]	39.4
Nominal lamp voltage [V]	90
Lamp Current [A]	0.5
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Dimming Capability	No
Ballast Required	Yes

Logistic data

DUN Code	10043168216903
EAN Code	0043168216906
Pack Quantity	6
Inner pack type	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

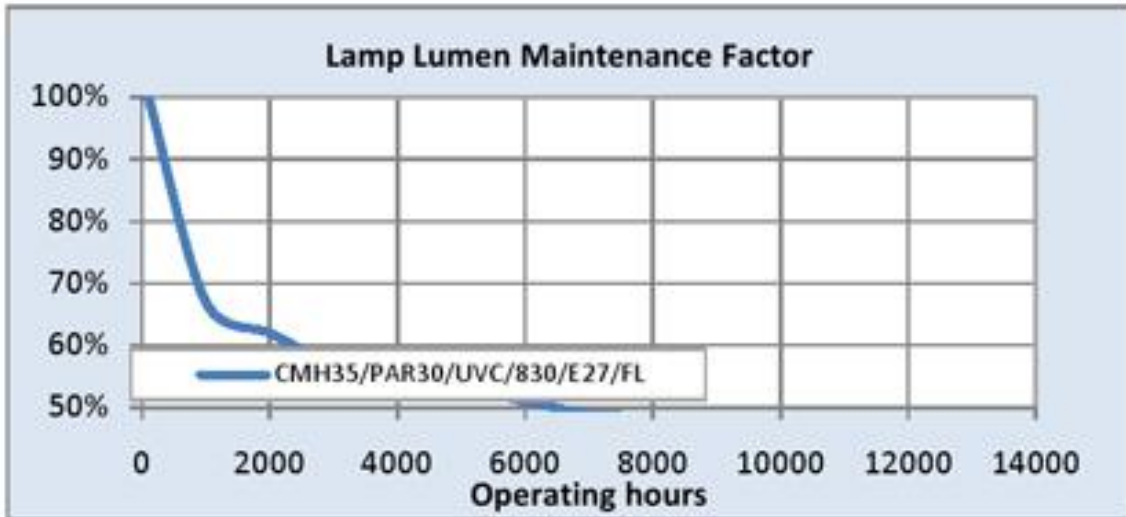


Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(12.2°) E(C0)	Illuminance [lx]
0.5	0.22	46400	21858	
1.0	0.43	11600	5464	
1.5	0.65	5156	2429	
2.0	0.86	2900	1366	
2.5	1.08	1856	874	
3.0	1.30	1289	607	

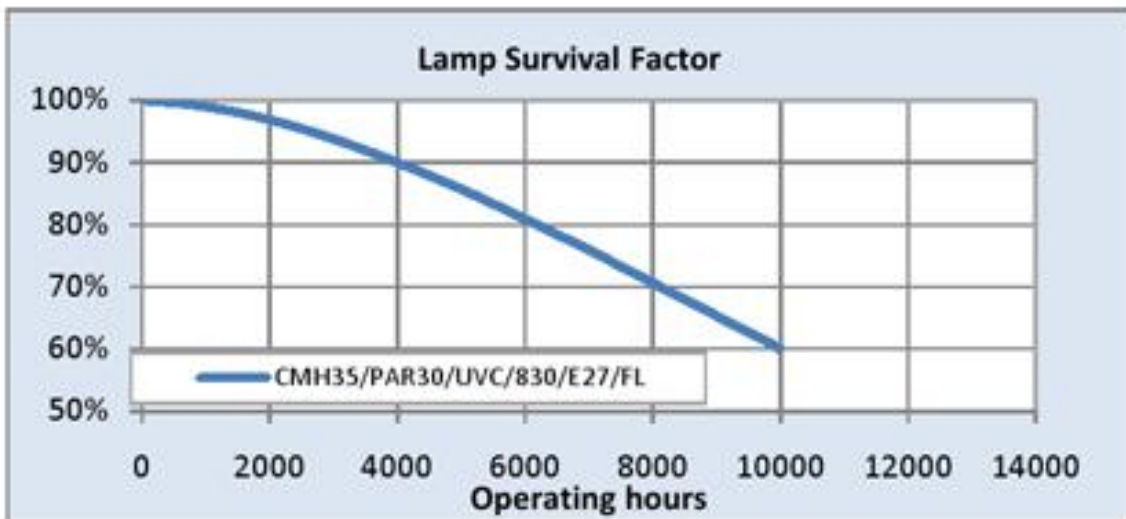
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half-value angle: 24.4°)

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 \(PDF\)](#)

[ConstantColor™ White Light CMH 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 \(PDF\)](#)