

242
kWh/1000h

A
energy class

80
lumens/watt

ConstantColor™ CMH Tubular Clear

KRC250/CMH/830/T/H/E40

20302

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.

Application areas



Road and tunnel



Street and pedestrian



Commercial areas

Product data

Light Center Length [mm]	153.5
Product Code	20302
Bulb Shape	Tubular
Bulb Finish	Clear
Maximum Overall Length [mm]	251
Net weight per piece [g]	110
Gross weight per piece [g]	126
Operating position	H15 - Horiz 15 degrees
Mercury Content [mg]	29
UV radiance	Exempt
Brand	GE Lighting
Cap/Base	E40

Performance data

Colour Code	830
Rated Lumens [lm]	19100
Weighted energy consumption [kWh/1000h]	241.52
Nominal efficacy [LpW]	80
Rated efficacy [LpW]	87
Energy efficiency class (EEC)	A
Nominal chromaticity coordinate X	0.43
Nominal chromaticity coordinate Y	0.39
Nominal correlated colour temperature (CCT) [K]	3000
Nominal lumens [lm]	20000
Colour Rendering Index (CRI) [Ra]	80

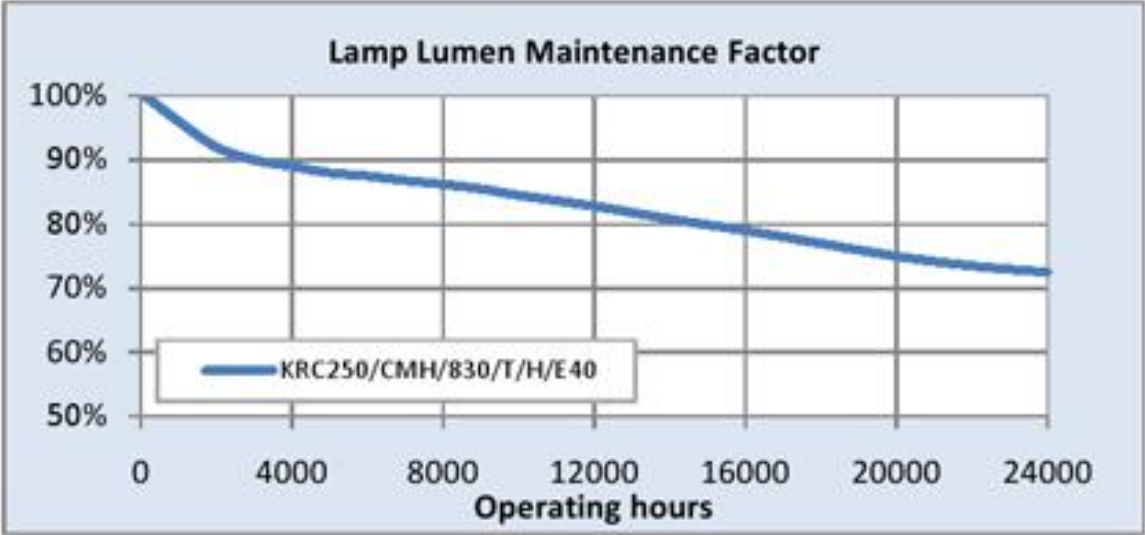
Electrical data

Rated power [W]	219.6
Lamp Current [A]	2.1
Design Ambient Temperature [°C]	25
Run-up time (sec)	300
Hot restart time (sec)	900
Ballast Required	Yes
Nominal power [W]	250
Nominal lamp voltage [V]	110

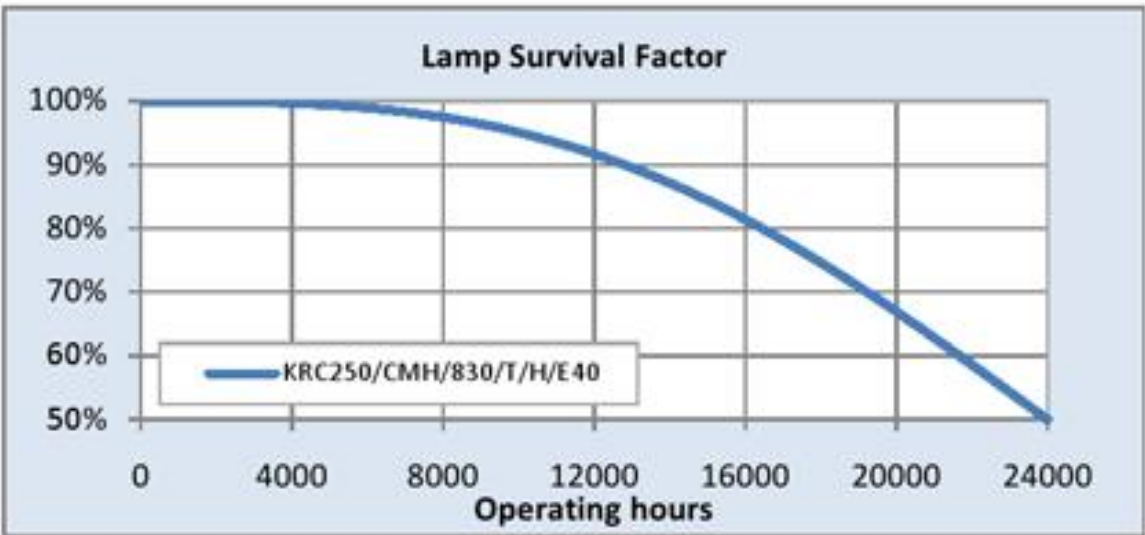
Logistic data

DUN Code	20043168203023
EAN Code	0043168203029
Pack Quantity	12
Inner pack type	BOX
Outer pack type	OUTER BOX
Layer quantity	288 EUR, 372 UK
Layer quantity EUR	288
Layer quantity UK	372
Pallet quantity EUR (PC)	864
Pallet quantity UK (PC)	1116
Outer case size	215 x 162 x 349 (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 High watt. datasheet \(PDF\)](#)

[Lighting design tools & calculators \(HTTP\)](#)

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

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

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

[CMH Tubular Clear Data sheet \(PDF\)](#)

[CMH Dimmable 150W 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 \(PDF\)](#)