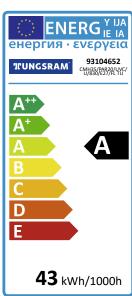
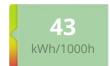
### **TUNGSRAM**

Innovation is our heritage EST. 1896











## ConstantColor™ CMH PAR 20

CMH35/PAR20/UVC/U/830/E27/FL TU 93104652

#### **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-tolamp 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







MH35/PAR20/UVC/U/830/E27/FL TU 93104652

#### Product data

Product Code	93104652
Bulb Shape	PAR
Bulb Finish	Clear
Bulb Diameter [mm]	64
Maximum Overall Length [mm]	92
Net weight per piece [g]	100
Gross weight per piece [g]	187
Operating position	U - Universal
Mercury Content [mg]	4.6
UV radiance	Exempt
Brand	Tungsram
Cap/Base	E27



CMH35/PAR20/UVC/U/830/E27/FL TU 93104652

#### Performance data

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68
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#### Electrical data

Rated power [W]	38.8
Lamp Current [A]	0.5
Design Ambient Temperature [°C]	25
Run-up time (sec)	180
Dimming Capability	No
Ballast Required	Yes
Nominal power [W]	35
Nominal lamp voltage [V]	90

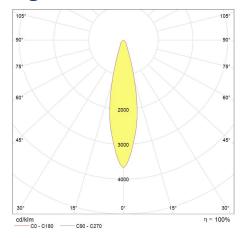


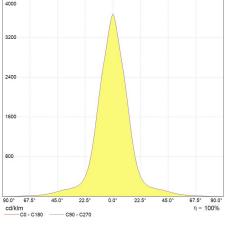
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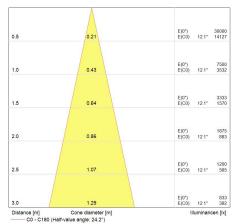
#### Logistic data

DUN Code	15994100019180
EAN Code	5994100019183
Pack Quantity	15
Layer quantity	135 EUR, 150 UK
Layer quantity EUR	135
Layer quantity UK	150
Pallet quantity EUR (PC)	810
Pallet quantity UK (PC)	900
Outer case size	253 x 383 x 161 (mm)
Product status	Available

#### Light distribution



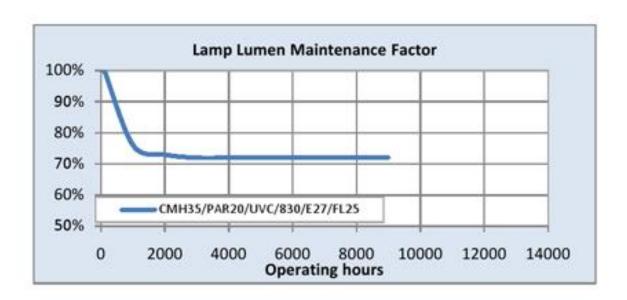




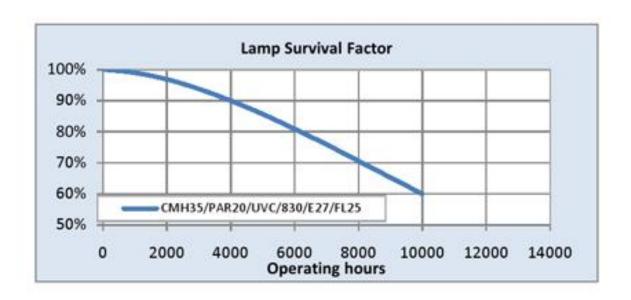
#### ConstantColor™ CMH PAR 20

CMH35/PAR20/UVC/U/830/E27/FL TU 93104652

#### Lumen maintenance data



#### Survival data





#### ConstantColor™ CMH PAR 20

CMH35/PAR20/UVC/U/830/E27/FL TU 93104652

#### Downloads & Links

Go to the catalog site (HTTP)

Photometry (IES)

Product datasheet (PDF)

High-res images / Technical drawings (HTTP)

