



55
kWh/1000h

C
energy class

MR16 Precise™ Alutech™

OT M258/EXN/CG/AL 50W 12V GE
BX1/10 MIC

88215

Product information

Aluminised Precise™ Alutech™ MR16 lamps are extra low voltage tungsten halogen reflector-mounted lamps popular for downlighting and accent lighting applications because of their small size, precise beam control, high efficacy and excellent white light. Their aluminised mirror directs both visible and infrared components of emitted light forward preventing the overheating of lampholders and transformers behind them. An Aluminised Precise™ Alutech™ MR16 lamp comprises a small halogen low voltage filament capsule produced with UV control quartz permanently cemented into a one-piece, aluminium coated all glass reflector. The reflector design produces a precise beam pattern with excellent uniformity and sharp beam cut-off. The reflector is ellipsoidal in shape. The filament is precisely aligned along the optical axis of the reflector during the manufacturing process to achieve the required beam pattern. These lamps incorporate an integral clear cover glass to ensure that both bulb and reflector are protected from

dust and dirt during installation and operation. The cover glass effectively eliminates UV-C radiation and greatly reduces UV-B radiation. The use of the Cover Glass together with specially developed UV control quartz material for the capsule results in almost no UV-B or UV-C radiation.

Application areas



Hospitality



Home

Product data

| | |
|-----------------------------|--------------------|
| Product Code | 88215 |
| Bulb Shape | Mirrored reflector |
| Bulb Diameter [mm] | 50 |
| Maximum Overall Length [mm] | 46 |
| Net weight per piece [g] | 15 |
| Gross weight per piece [g] | 52 |
| Brand | GE Lighting |
| Cap/Base | GU5.3 |

Performance data

| | |
|-------------------------------------------------|------|
| Nominal/ Rated Beam Angle [°] | 36 |
| Nominal center beam candlepower (CBCP) [cd] | 1800 |
| Weighted energy consumption [kWh/1000h] | 55.0 |
| Energy efficiency class (EEC) | C |
| Lamp Lumen Maintenance factor (2000 hours) | 80% |
| Rated Life [h] | 3000 |
| Nominal correlated colour temperature (CCT) [K] | 2900 |
| Colour Rendering Index (CRI) [Ra] | 100 |

Electrical data

| | |
|---------------------------------------------|---------|
| Rated power [W] | 50.0 |
| Starting time (sec) | 0.0 s |
| Warm up time up to 60% of full light output | instant |
| Number of switching cycles | 8000 |
| Coil type | C-8 |
| Dimming Capability | Yes |
| Nominal power [W] | 50.0 |
| Nominal lamp voltage [V] | 12 |

Logistic data

| | |
|--------------------------|---------------------|
| DUN Code | 10043168882153 |
| EAN Code | 5021731354700 |
| Pack Quantity | 10 |
| Inner pack type | BX |
| Outer pack type | OB |
| Layer quantity | 320 EUR, 320 UK |
| Layer quantity EUR | 320 |
| Layer quantity UK | 320 |
| Pallet quantity EUR (PC) | 4800 |
| Pallet quantity UK (PC) | 4800 |
| Outer case size | 100 x 250 x 60 (mm) |
| Product status | Available |

Downloads & Links

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

[Halogen Lamps Spectrum Catalogue \(PDF\)](#)

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

[Halogen Lamps Spectrum Catalogue \(PDF\)](#)

[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 \(PDF\)](#)