

TECHNICAL INFORMATION BULLETIN

CERA ARC EX

Lamp type : Ceramic Metal Halide Lamp

CMT70/EX/U

PERFORMANCE DATA

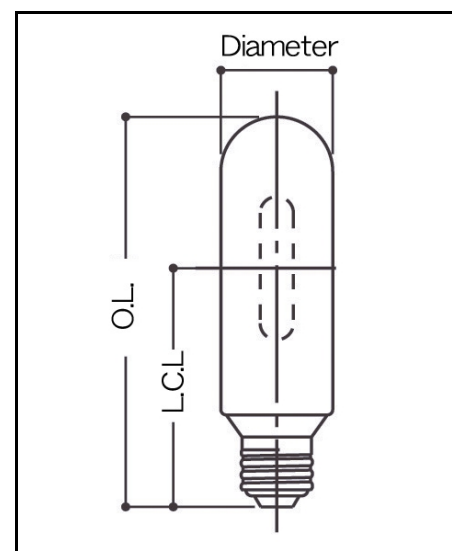
| | | |
|--|--|---------|
| Initial luminous flux at rated wattage after 100hrs. Operation (lm) : | | 7700 |
| Rated average life (hrs) : | | 18000 |
| Warm up time (min) : | | 4 |
| Restarting time (min) : | | 15 max. |
| Correlated colour temperature (K) : | | 3500 |
| CIE chromaticity x = : | | 0.411 |
| y = : | | 0.406 |
| Colour rendering index (Ra) : | | 75 |
| Burning position : | | Any |
| Life to 5% failures (hrs) : | | 6600 |
| Life to 10% failures (hrs) : | | 9300 |
| Life to 20% failures (hrs) : | | 12700 |
| Life to 50% failures (hrs) : | | 18000 |

ELECTRICAL CHARACTERISTICS

| | | |
|---------------------------------|--|---------------------|
| Lamp wattage (Nominal) (W) : | | 70 |
| Lamp wattage (Rated) (W) : | | 70 |
| Lamp voltage (V) : | | 85 |
| Lamp current (A) : | | 0.98 |
| Compatible Ballast : | | IEC 60662 (HPS-70W) |
| Current crest factor : | | 1.8 max. |
| Min. open circuit voltage (V) : | | RMS 198 |
| Max. starting current (A) : | | 1.96 |

PHYSICAL DESCRIPTION

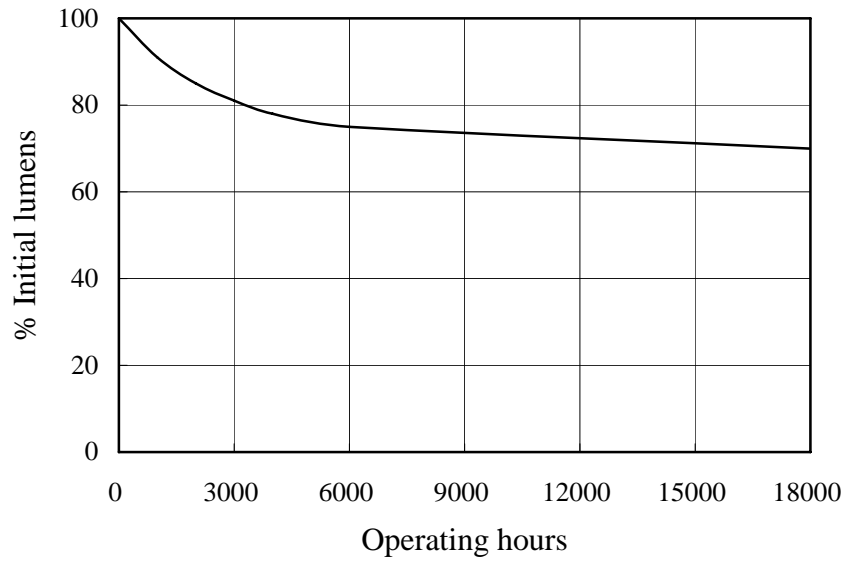
| | | |
|----------------------------------|--|---------------------------|
| Base designation : | | E27 |
| Bulb designation : | | T30 (30mm dia.) |
| Bulb material : | | Hard glass |
| Bulb finish : | | Clear |
| Arc tube material : | | Alumina |
| Mercury(Hg) content (mg) : | | 11.5 |
| Max. overall length (MOL) (mm) : | | 145 |
| Light centre length (LCL) (mm) : | | 102 |
| Effective arc length (mm) : | | 8 |
| Bulb temperature limit (°C) : | | 430 max. |
| Base temperature limit (°C) : | | 210 max. |
| Eccentricity base to bulb axis : | | 2° max. |
| Fixture requirement : | | Enclosed fixture required |



Note: This lamp is to be operated with IEC HPS ballast and external ignitor.

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LUMEN MAINTENANCE



LAMP MORTALITY

