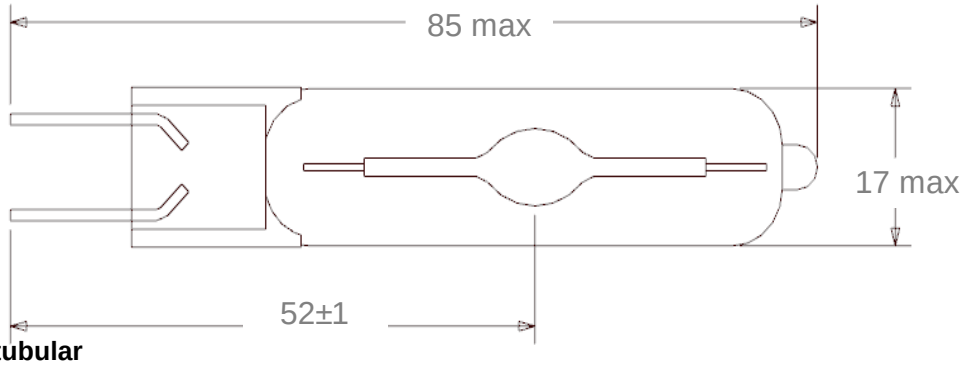
# METAL HALIDE LAMP — Superia CMI-TC 35W NDL/UVS

## DIMENSIONS (mm)




**Mercury Content : 3.2 mg**
**Cap : G8.5 (IEC 60061-1)**
**Bulb : UV-stop quartz glass clear, tubular**

| | | Magnetic Gear | | | Electronic Gear | | |
|---|---|---|---|---|---|---|---|
| | | NOM. | MIN. | MAX. | NOM. | MIN. | MAX. |
| **ELECTRICAL DATA:** | | | | | | | |
| Lamp wattage | (W r.m.s.) | - | | | 39 | | |
| Lamp voltage | (V r.m.s.) | - | | | 75 | 65 | 85 |
| Lamp current | (A r.m.s.) | - | | | 0.52 | | |
| Lamp warm-up current | (A r.m.s.) | | - | - | | 0.46 | 0.92 |
| Lamp inrush current | (A peak) | | | - | | | |
| **OPERATING CONDITIONS:** | | Operation on LFSW electronic ballast only | | | | | |
| Burning position | | - | | | universal | | |
| Fixture type | | - | | | closed with protective front glass | | |
| Ballast type | | - | | | Electronic LFSW ballast for 35 W | | |
| Ignitor pulse height | (kV peak) | | | | | 3.0 | 5.0 |
| Ignitor pulse width at 90% peak | (µs/s) | | - | | | 100 | |
| Pinch temperature | (℃) | | | - | | | 300 |
| Bulb temperature | (℃) | | | - | | | 400 |
| Adjacent to cap temperature | (℃) | | | - | | | - |
| **LAMP LIFE:** | | | | | | | |
| Rated average life | (h) | - | | | 15000 | | |
| Life to 10% failures | (h) | - | | | 9000 | | |
| **PHOTOMETRIC DATA*:** | | | | | | | |
| Initial luminous Flux | (lm) | | | | 3800 | | |
| Luminous efficacy | (lm/W) | | | | 97 | | |
| Correlated colour temp. | (K) | | | | 4200 | | |
| Colour rendering index | | | | | 93 | | |
| Colour point (x,y) | | - | | | (.371, .366) | | |

*** Data for vertical burning position after 100 h ageing**

**APPLICATION** **Lamps comply with the requirements of IEC publications 61167, 62035 and 62471. Electromagnetic ballasts must comply with IEC 60923 and electronic ballasts with IEC 61167, annex G. Ignitors used must be in accordance with IEC 60927 and luminaires with IEC 60598-1. Lamp inspection is performed in accordance with IEC 60410. The luminaire must be provided with a safety screen (shattering and UV). Because of a possible risk of abnormal operation at the end of life, thermally protected balalsts must be used.**


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**DATA SHEET**

Specification N° : 43\70\45 /C
Supersedes : 43\70\45/B



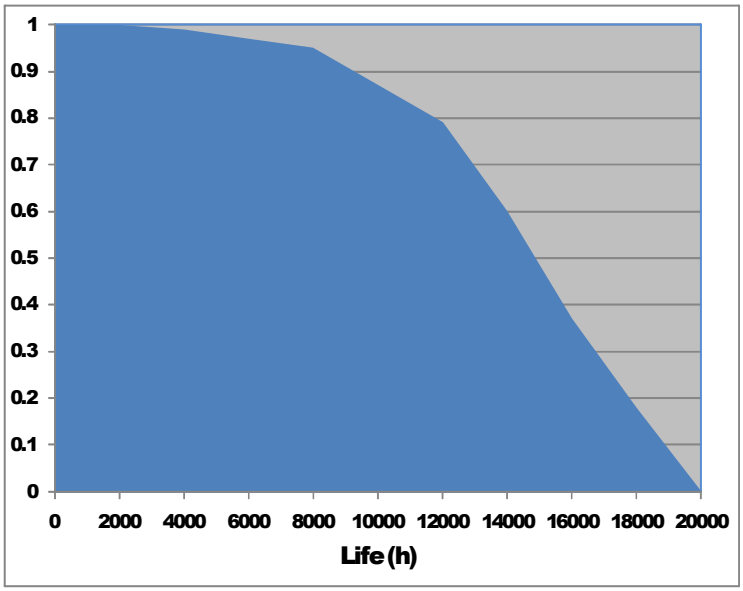
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# METAL HALIDE LAMP

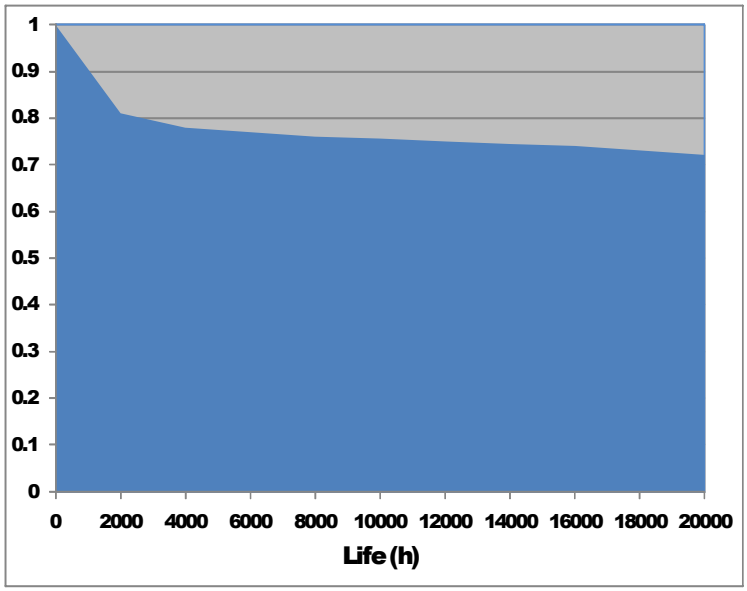
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## SURVIVAL RATE



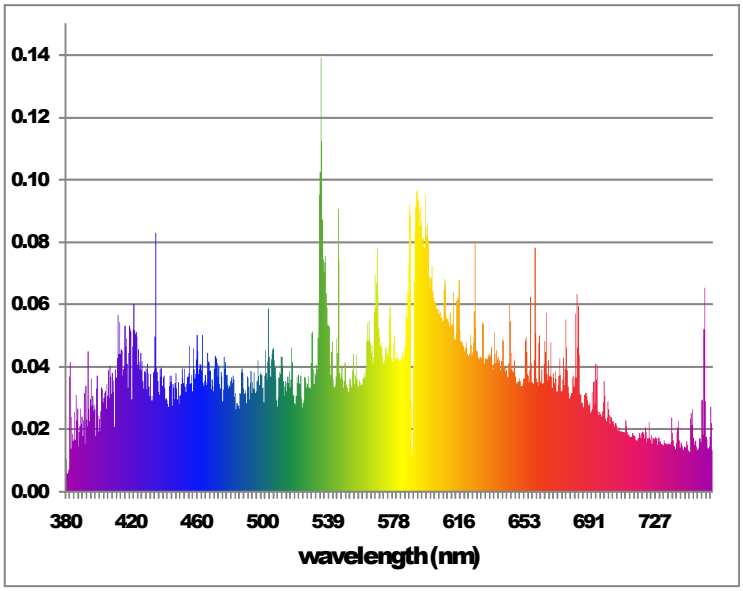

| 2000h | 4000h | 6000h | 8000h | 12000h | 16000h |
|---|---|---|---|---|---|
| 1.00 | 0.99 | 0.97 | 0.95 | 0.79 | 0.37 |

## LUMEN MAINTENANCE

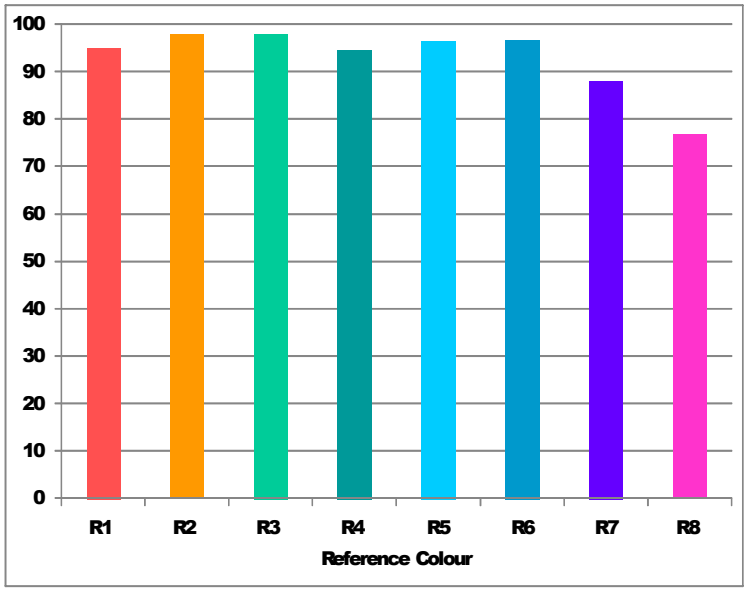



| 2000h | 4000h | 6000h | 8000h | 12000h | 16000h |
|---|---|---|---|---|---|
| 0.81 | 0.78 | 0.77 | 0.76 | 0.75 | 0.74 |

## LAMP SPECTRUM




## COLOUR RENDERING







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