

# TECHNICAL INFORMATION BULLETIN

## EYE FEC Cera Arc Ace EX T

**LAMP TYPE : Ceramic Metal Halide Lamp**  
**CMT360LS/EX/HOR**

### PERFORMANCE DATA

|                                                           |             |   |                   |
|-----------------------------------------------------------|-------------|---|-------------------|
| Initial luminous flux at rated wattage after 100h burning | (lm)        | : | 45,000            |
| Lamp lumen efficacy                                       | (lm/W)      | : | 120               |
| Rated average life                                        | (h)         | : | 24,000            |
| Warm up time                                              | (min)       | : | 4                 |
| Restarting time                                           | (min)       | : | 30 max.           |
| Correlated colour temperature                             | (K)         | : | 3,500             |
| CIE chromaticity                                          | x           | : | 0.41              |
|                                                           | y           | : | 0.41              |
| Colour rendering index                                    | (Ra)        | : | 75                |
| Burning position                                          |             | : | BH $\pm 45^\circ$ |
| Survival factor at 2,000h                                 | (%)         | : | 99                |
| 4,000h                                                    | (%)         | : | 98                |
| 6,000h                                                    | (%)         | : | 96                |
| 8,000h                                                    | (%)         | : | 94                |
| 12,000h                                                   | (%)         | : | 87                |
| 16,000h                                                   | (%)         | : | 78                |
| 20,000h                                                   | (%)         | : | 65                |
| Lumen Maintenance factor at 2,000h                        | (%)         | : | 87                |
| 4,000h                                                    | (%)         | : | 85                |
| 6,000h                                                    | (%)         | : | 84                |
| 8,000h                                                    | (%)         | : | 83                |
| 12,000h                                                   | (%)         | : | 82                |
| 16,000h                                                   | (%)         | : | 82                |
| 20,000h                                                   | (%)         | : | 81                |
| Energy Efficiency Label                                   |             | : | A+                |
| Weighted Energy consumption                               | (kWh/1000h) | : | 413               |

### Lamp wattage (Nominal)

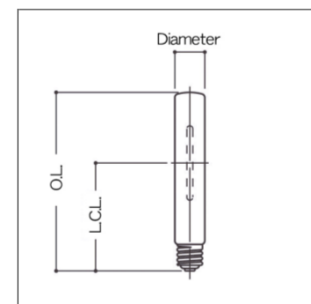
|                        |     |   |      |
|------------------------|-----|---|------|
| Lamp wattage (Nominal) | (W) | : | 360  |
| Lamp wattage (Rated)   | (W) | : | 375  |
| Lamp voltage           | (V) | : | 135  |
| Lamp current           | (A) | : | 3.25 |

### BALLAST AND IGNITOR INFORMATION

|                    |   |                      |
|--------------------|---|----------------------|
| Compatible ballast | : | IEC 60188 (MVL-400W) |
| Ignitor            | : | Not Required         |

### PHYSICAL DESCRIPTION

|                                |      |                        |
|--------------------------------|------|------------------------|
| Base designation               | :    | E40                    |
| Bulb designation               | :    | T55 (55mm dia.)        |
| Bulb material                  | :    | Hard glass             |
| Bulb finish                    | :    | Clear (UV-cut coating) |
| Arc tube material              | :    | Alumina                |
| Mercury(Hg) content            | (mg) | 57.0                   |
| Overall length                 | (mm) | 292 max.               |
| Light centre length (Nominal)  | (mm) | 185                    |
| Effective arc length (Nominal) | (mm) | 22                     |



### LUMINAIRE DESIGN REQUIREMENTS

|                  |                        |   |                           |
|------------------|------------------------|---|---------------------------|
| Bulb Temp. limit | ( $^{\circ}\text{C}$ ) | : | 400                       |
| Base Temp. limit | ( $^{\circ}\text{C}$ ) | : | 210                       |
| open / enclosed  | :                      |   | Enclosed fixture required |

