

# TECHNICAL INFORMATION BULLETIN

## EYE Multi-Hi-Ace

**LAMP TYPE** : Metal Halide Lamp

MF125LE/BD

### PERFORMANCE DATA

|   |        |   |          |
|---|--------|---|----------|
| Initial luminous flux at rated<br>wattage after 100hrs. Burning | (lm)   | : | 8,500    |
| Lamp Lumen Efficacy   | (lm/W) | : | 68       |
| Mean lumens at 10 hrs/start                                     | (lm)   | : | 6,800    |
| Rated average life  | (hrs)  | : | 9,000    |
| Warm up time  | (min)  | : | 4        |
| Restarting time   | (min)  | : | 15       |
| Correlated colour temperature                                   | (K)    | : | 4,200    |
| CIE chromaticity  | x =    | : | 0.390    |
|   | y =    | : | 0.380    |
| Burning Position  |        | : | BD ± 15° |

### ELECTRICAL CHARACTERISTICS

|                              |     |   |          |
|------------------------------|-----|---|----------|
| Nom. Lamp wattage EM         | (W) | : | 125      |
| Nom. Lamp voltage EM         | (V) | : | 125      |
| Nom. Lamp current EM         | (A) | : | 1.15     |
| Current crest factor         |     | : | 1.8 max. |
| Min. starting voltage (RMS)  | (V) | : | 198      |
| Min. starting voltage (PEAK) | (V) | : | 280      |

### PHYSICAL DESCRIPTION

|                                |       |   |                  |
|--------------------------------|-------|---|------------------|
| Base designation               |       | : | E27              |
| Bulb designation               |       | : | BT70 (70mm Dia.) |
| Bulb material                  |       | : | Hard glass       |
| Bulb finish                    |       | : | Phosphor coated  |
| Arc tube material              |       | : | Quartz           |
| Mercury(Hg)Content             | (mg)  | : | 14.5             |
| Overall Length                 | (mm)  | : | 178 max.         |
| Light Centre Length            | (mm)  | : | --               |
| Effective Arc Length           | (mm)  | : | --               |
| Bulb Temp. limit               | ( °C) | : | 400              |
| Base Temp. limit               | ( °C) | : | 210              |
| Eccentricity Base to bulb axis | ( ° ) | : | 3° max.          |
| Life to 5% failures            | (hr)  | : | 3100             |
| Life to 10% failures (hr)      | (hr)  | : | 4600             |
| Life to 20% failures (hr)      | (hr)  | : | 6500             |
| Life to 50% failures (hr)      | (hr)  | : | 9000             |
| Lumen Maintenance 5000h        | (%)   | : | 70               |

