

# TECHNICAL INFORMATION BULLETIN

## EYE Color Arc PAR36

LAMP TYPE : Metal Halide Lamp  
M150P36SD/E27

### PERFORMANCE DATA

|   |        |   |         |
|---|--------|---|---------|
| Initial luminous flux at rated<br>wattage after 100hrs. Burning | (lm)   | : | 9,000   |
| Lamp Lumen Efficacy   | (lm/W) | : | 60      |
| Beam angle  |        | : | 23X29   |
| Peak intensity  |        | : | 13,000  |
| Rated average life  | (hrs)  | : | 6,000   |
| Warm up time  | (min)  | : | 4       |
| Restarting time   | (min)  | : | 15 max. |
| Correlated colour temperature                                   | (K)    | : | 6,500   |
| CIE chromaticity  | x =    | : | 0.312   |
|   | y =    | : | 0.332   |
| Colour rendering index  | (Ra)   | : | 92      |
| Burning Position  |        | : | Any     |

### ELECTRICAL CHARACTERISTICS

|                       |     |   |          |
|-----------------------|-----|---|----------|
| Nom. Lamp wattage EM  | (W) | : | 150      |
| Nom. Lamp voltage EM  | (V) | : | 95       |
| Nom. Lamp current EM  | (A) | : | 1.90     |
| Current crest factor  |     | : | 1.8 max. |
| Max. starting current | (A) | : | 2.50     |

### PHYSICAL DESCRIPTION

|                                |        |   |                          |
|--------------------------------|--------|---|--------------------------|
| Base designation               |        | : | E27/51X39                |
| Bulb designation               |        | : | PAR36                    |
| Bulb material                  |        | : | Hard glass               |
| Bulb finish                    |        | : | Aluminium coating        |
| Bulb finish (Front glass)      |        | : | UV-cut coating           |
| Arc tube material              |        | : | Quartz                   |
| Mercury(Hg)Content             | (mg)   | : | 10.4                     |
| Overall Length                 | (mm)   | : | 102 max.                 |
| Light Centre Length            | (mm)   | : | -                        |
| Effective Arc Length           | (mm)   | : | 16                       |
| Bulb Temp. limit               | ( °C ) | : | 400                      |
| Base Temp. limit               | ( °C ) | : | 190                      |
| Eccentricity Base to bulb axis | ( ° )  | : | 3° max.                  |
| Fixture requirement            |        | : | Open fixture permissible |
| Life to 5% failures            | (hr)   | : | 2000                     |
| Life to 10% failures (hr)      | (hr)   | : | 3100                     |
| Life to 20% failures (hr)      | (hr)   | : | 4300                     |
| Life to 50% failures (hr)      | (hr)   | : | 6000                     |

