

# TECHNICAL INFORMATION BULLETIN

## Mercury Lamp

**LAMP TYPE** : Mercury Lamp  
H400BL

### PERFORMANCE DATA

|  |        |   |         |
|--|--------|---|---------|
| Initial luminous flux at rated wattage after 100hrs. Burning | (lm)   | : | -       |
| Lamp Lumen Efficacy  | (lm/W) | : | 0       |
| Mean lumens at 10 hrs/start                                  | (lm)   | : | -       |
| Rated average life   | (hrs)  | : | 3,000   |
| Warm up time   | (min)  | : | 8 max.  |
| Restarting time  | (min)  | : | 10 max. |
| Correlated colour temperature                                | (K)    | : | -       |
| CIE chromaticity   | x =    | : | -       |
|  | y =    | : | -       |
| Colour rendering index                                       | (Ra)   | : | -       |
| Burning Position   |        | : | Any     |
| Emissive power of UV rays (300-450nm)                        | (W)    | : | 27      |

### ELECTRICAL CHARACTERISTICS

|                       |     |   |           |
|-----------------------|-----|---|-----------|
| Nom. Lamp wattage EM  | (W) | : | 400       |
| Nom. Lamp voltage EM  | (V) | : | 130       |
| Nom. Lamp current EM  | (A) | : | 3.30      |
| Current crest factor  |     | : | 2.0max.   |
| Max. starting current | (A) | : | 6.83      |
| Compatible Ballast    |     | : | IEC 60188 |

### PHYSICAL DESCRIPTION

|                                |        |   |                    |
|--------------------------------|--------|---|--------------------|
| Base designation               |        | : | E40                |
| Bulb designation               |        | : | BT116 (116mm dia.) |
| Bulb material                  |        | : | Soft glass         |
| Bulb finish                    |        | : | Black              |
| Arc tube material              |        | : | Quartz             |
| Mercury(Hg)Content             | (mg)   | : | 62.5               |
| Overall Length                 | (mm)   | : | 290 max.           |
| Light Centre Length            | (mm)   | : | -                  |
| Effective Arc Length           | (mm)   | : | -                  |
| Bulb Temp. limit               | ( °C ) | : | 280                |
| Base Temp. limit               | ( °C ) | : | 210                |
| Eccentricity Base to bulb axis | ( ° )  | : | 3° max.            |
| Life to 5% failures            | (hr)   | : | 1000               |
| Life to 10% failures (hr)      | (hr)   | : | 1500               |
| Life to 20% failures (hr)      | (hr)   | : | 2200               |
| Life to 50% failures (hr)      | (hr)   | : | 3000               |
| Lumen Maintenance 5000h        | (%)    | : | -                  |

