

TECHNICAL INFORMATION BULLETIN

EYE Ignitron

LAMP TYPE : High Pressure Sodium Lamp
NH100F/I

PERFORMANCE DATA

| | | | |
|---|--------|---|--------|
| Initial luminous flux at rated wattage after 100hrs. Burning | (lm) | : | 9,500 |
| Lamp Lumen Efficacy | (lm/W) | : | 95 |
| Mean lumens at 10 hrs/start | (lm) | : | 8,600 |
| Rated average life | (hrs) | : | 24,000 |
| Warm up time | (min) | : | 5 |
| Restarting time | (min) | : | 15MAX. |
| Correlated colour temperature | (K) | : | 1,900 |
| CIE chromaticity | x = | : | 0.532 |
| | y = | : | 0.403 |
| Colour rendering index | (Ra) | : | 17 |
| Burning Position | | : | Any |

ELECTRICAL CHARACTERISTICS

| | | | |
|------------------------------|-----|---|-----------|
| Nom. Lamp wattage EM | (W) | : | 100 |
| Nom. Lamp voltage EM | (V) | : | 100 |
| Nom. Lamp current EM | (A) | : | 1.20 |
| Current crest factor | | : | 1.8 max. |
| Max. starting current | (A) | : | 2.40 |
| Compatible Ballast | | : | IEC 60662 |
| Min. starting voltage (RMS) | (V) | : | 198 |
| Min. starting voltage (PEAK) | (V) | : | 280 |

PHYSICAL DESCRIPTION

| | | | |
|--------------------------------|--------|---|-----------------|
| Base designation | | : | E40 |
| Bulb designation | | : | E75 (75mm dia.) |
| Bulb material | | : | Hard Glass |
| Bulb finish | | : | Diffuse |
| Arc tube material | | : | Alumina |
| Mercury(Hg)Content | (mg) | : | 13.6 |
| Overall Length | (mm) | : | 186 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) | : | 8200 |
| Life to 10% failures (hr) | (hr) | : | 12200 |
| Life to 20% failures (hr) | (hr) | : | 17300 |
| Life to 50% failures (hr) | (hr) | : | 24000 |
| Lumen Maintenance 5000h | (%) | : | 98.527 |

