

## LED Street Light



### Application

Ideal for Industrial street lights

### Replacement

400 W HPSV Street Light by  
180 W LED Street Light

- **Construction**  
Single piece die casted aluminum housing with separate power supply & LED PCB compartment used to optimize thermal management. Vibration & impact resistance housing with moisture & environmental contaminant protection. Long life powder coating to protect against corrosion & weathering. IP65 approved.
- **Optics**  
Optics design to illuminate the required area only and not to illuminate outside area. Excellent 'color rendering index' (CRI) makes the illuminate object looks natural and vivid unlike in a high pressure sodium light which has a low CRI.
- **Electrical**  
Separate power supply and LED PCB used provides better thermal management. Approx. 60% less power compared to conventional high power sodium lamp. Surge and lighting protection inbuilt. Over voltage, Under voltage, Short circuit & open circuit protected driver. LM80 report at drive current.
- **Installation**  
Stainless steel bolts fasten the luminaires quick and securely to the pole.
- **Warranty**  
Five years warranty.
- **Optional**  
Dimmable, CRI>80, All CCT Ranges, Type I to Type V Distribution  
10 KV Surge protection, 12V/24V DC Powered  
Smart Monitoring – GPRS based remote monitoring system with automatic switch, ON/OFF control, Actual Energy consumption calculation

| Model No      | System Wattage (Watt) | Luminous Flux(Lumen) | Luminous Efficacy (lm/w) |
|---------------|-----------------------|----------------------|--------------------------|
| EL SL160C108B | 160                   | 16000                | 100                      |
| EL SL180C108B | 180                   | 18000                | 100                      |
| EL SL210C144B | 210                   | 21000                | 100                      |

### Electrical

|                           |           |
|---------------------------|-----------|
| AC Input Voltage          | 120-300 V |
| Operating Frequency       | 47-53 Hz  |
| Total Harmonic Distortion | <10%      |
| Power Factor              | >0.97     |
| Surge/Spikes Protection   | >5 KV     |

### Optical

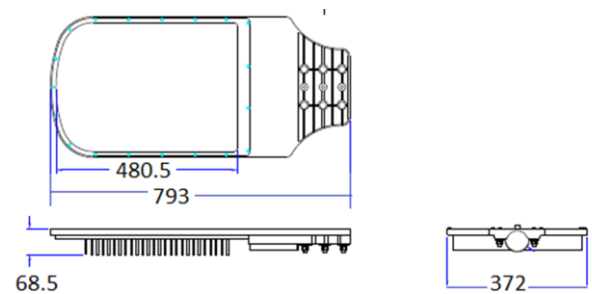
|                         |                  |
|-------------------------|------------------|
| LED                     | Nichia           |
| Color Temperature       | 5700 K           |
| CRI                     | >70              |
| Distribution/Beam Angle | Type II/85°X135° |
| BUG Rating              | B3U0G3           |

### Environmental

|                                  |                  |
|----------------------------------|------------------|
| Working temperature range        | -10 °C to +50 °C |
| Working Humidity Range           | 0 - 95 %         |
| L70 Life @ Tj 85°C based on TM21 | 60,000 Hrs       |

### Lumen Ambient Temperature (LAT) Multiplier

| Ambient Temperature(°C) | LAT  |
|-------------------------|------|
| 0                       | 1.01 |
| 10                      | 1.01 |
| 20                      | 1.00 |
| 25                      | 1.00 |
| 30                      | 1.00 |
| 40                      | 0.98 |



All Dimensions are in mm

Weight: 15.5 kg.