



510E-II LED recessed downlight

The exquisite and noble outlook of NOVETE® 510E-II recessed downlight is a high intensity luminaire designed for general lighting application. It is suitable for replacement of traditional recessed downlight with compatible luminous performances compare with halogen and CFL lamp.



General Characteristic

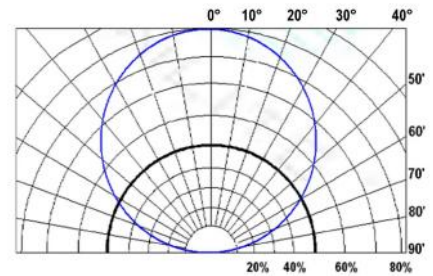
| | |
|---------------------|---|
| Material of housing | Anodized aluminium heatsink integrated with LED module fitted with white color trim |
| Diffuser | Optical grade polycarbonate |
| Rated life span | 50000 hours (accumulative) |
| Ingress protection | IP44 |
| Industrial standard | IEC 62384 / LM-80 |
| Certification | CE, RoHS, FCC |

Light Characteristic

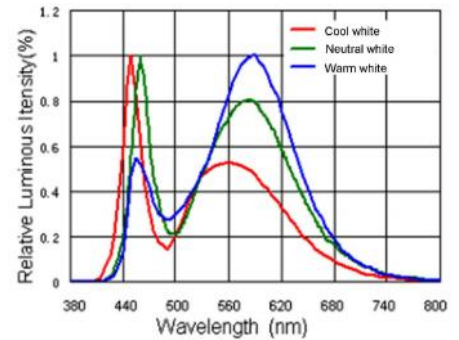
| | |
|-----------------------|-------------------------------|
| Light source | LUMENMAX 2835 |
| Color rendering index | CRI≥80 Ra |
| Color temperature | 3200K (K3); 4200K (K4); 6500K |
| Luminous efficacy | 90 lumen per watt |
| Beam angle | 120 degrees |
| Uniformity (uO) | >0.4 |
| RF interference | Free |

Electrical Characteristic

| | |
|-------------------------|---|
| Input power | 85~265VAC, 50/60Hz |
| Power supply | External standard or TRIAC dimmable driver |
| Power factor | ≥0.9 |
| Operation temp | -20°C ~+50°C |
| Overload protection | 95%~108% constant current limiting, auto- |
| Over voltage protection | 110%~140% rated output voltage |
| Operation humidity | 95% Rh @-20°C to 50°C |
| Wire interface | No polarity |
| Safety standards | EN60950-1, EN61347-1-13 61347-2- |
| EMC standards | EN55015, EN55022 class B, EN61000-3-2 class C, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN50204, EN61547 |



Typical Spectral Distribution



Relative Spectral Distribution



CORRIDOR LIGHTING (SHOPPING MALL)



GENERAL LIGHTING (RESTAURANT)

Product Specification

| Model # | Power | | Lumen | Size mm | | Compatibility | |
|-----------------|-------|--------|-----------|-----------|---------|------------------------|--------------|
| | Rated | System | | luminaire | Cut-out | HID lamps | CFL |
| E5100E-042W08Kx | 8.0W | 8.9W | 756~840 | Ø110 x 50 | Ø100 | 75W classic/90W PAR30 | 18W PL-C |
| E5115E-060W12Kx | 12.0W | 13.3W | 1080~1200 | Ø130 x 66 | Ø115 | 100W PAR38 | 2 x 18W PL-C |
| E5140E-075W15Kx | 15.0W | 16.6W | 1350~1500 | Ø160 x 66 | Ø140 | 150W single-end linear | 36W PL-C |
| E5165E-090W15Kx | 18.0W | 20.0W | 1620~1800 | Ø180 x 74 | Ø165 | 35W CDMT metal halide | 40W PL-C |
| E5175E-100W20Kx | 20.0W | 22.2W | 1800~2000 | Ø190 x 80 | Ø175 | 40W CDMT metal halide | 2 x 24W PL-C |
| E5185E-120W24Kx | 24.0W | 26.6W | 2160~2400 | Ø200 x 80 | Ø185 | 50W CDMT metal halide | 50W PL-C |
| E5200E-150W30Kx | 30.0W | 33.3W | 2700~3000 | Ø230 x 85 | Ø200 | 60W CDMT metal halide | 2 x 30W PL-C |
| E5200E-180W36Kx | 36.0W | 37.9W | 3240~3600 | Ø230 x 85 | Ø200 | 70W CDMT metal halide | 2 x 40W PL-C |

NOTE: Models and specifications not being set out in the table above would be provided upon request.