



## 510D high intensity recessed downlight

This is a high intensity recessed is designed for installation on the ceiling height of exceeding 5 meters as general lighting application. It is therefore adaptable for main lobby illumination of commercial building and hotel.



### General Characteristic

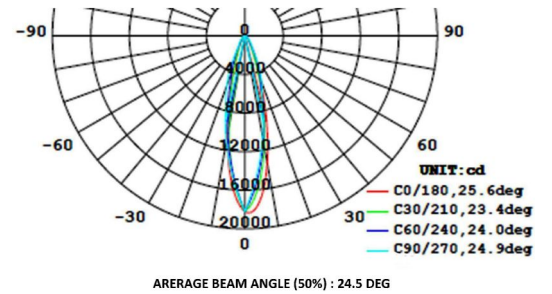
|                                   |  |
|-----------------------------------|--|
| Fixture structure                 | The fixture composes of light source housing integrated with multi-vane heatsink. The aesthetic design trim is featuring with adjustable casting angle of approximately 15~20 degree. Multifaceted aluminium mirror. |
| Reflector                         |  |
| Trim color                        | Ivory white  |
| Rated life span                   | 50000 hours (accumulative)   |
| Ingress protection                | IP44   |
| Industrial standard Certification | IEC 62384 / LM-80<br>CE, RoHS  |

### Light Characteristic

|                          |  |
|--------------------------|--|
| Light source             | Bridgelux high-flux COB emitter                  |
| Color rendering index    | CRI≥70 Ra  |
| Color temperature        | 3200K (K3); 4200K (K4); 6500K                    |
| Luminous efficacy        | 95~100 lumen per watt                            |
| Beam angle               | 25° / 45° / 90° / 110°                           |
| Standard function        | Dimmable and non-dimmable features are available |
| Common dimming function  | TRIAC driver                                     |
| Central dimming function | Potentiometer driver                             |

### Electrical Characteristic

|                         |   |
|-------------------------|---|
| Input power             | 85~265VAC, 50/60Hz  |
| Power supply            | External LED driver   |
| Power factor            | ≥0.95   |
| Operation temp          | -20°C ~+50°C  |
| Overload protection     | 95%~108% constant current limiting, auto-recovery   |
| Over voltage protection | 110%~140% rated output voltage  |
| Operation humidity      | 95% Rh @-20°C to 50°C   |
| Wire interface          | No polarity   |
| Safety standards        | UL60950-1, UL1012, TUV 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 light intensity distribution

### Product Specification

| Model #          | Power |        | Lumen     | Size Overall (mm) |          |              |
|------------------|-------|--------|-----------|-------------------|----------|--------------|
|                  | Rated | System |           | Trim (A)          | High (C) | Cut-out (B)  |
| 51180D-165W030Kx | 30.0W | 31.6W  | 2850~3000 | Ø180.0            | 140.0    | Ø165 (6.5")  |
| 51282D-265W040Kx | 40.0W | 42.1W  | 3800~4000 | Ø282.0            | 130.0    | Ø265 (10.4") |

