# EDISON

DOB III Series
LED Driver On Board Solution

# SIMPLICITY

# IS

# THE

# BEAUTY

**Edison Opto Corporation**

17F., No. 17, Qiaohe Rd., Zhonghe Dist.,
New Taipei City 235029, Taiwan
service-eng@edison-opto.com.tw

www.edison-opto.com

# DOB III Series

DOB III Series power range from 4W to 40W
Minimize fixture size up to 30%
OTP Function, TRIAC DIM +Flicker<10% (typ.5%)
SVM < 0.4, Pst <1.0
Comprehensive holder solution & suitable dimmer options
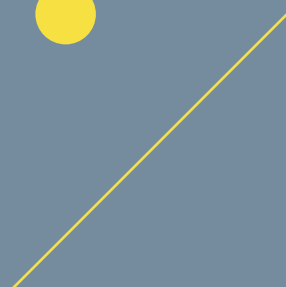Higher performance beyond NEW ErP regulations

**Edison Opto provides LED Module customization design and LDMS integration at your service.**
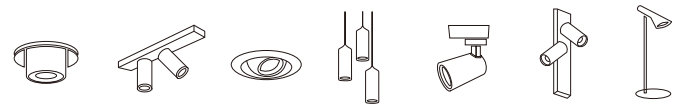
## ABOUT EDISON OPTO

Edison Opto, one of the leading LED manu-facturing service providers, was established since 2001 in Taiwan. For its innovative technology strength, Edison Opto provides comprehensive LED and solid-state lighting products from LED components, Light Module, UV/ IR LED, LED sensing, Horticulture, and Automotive Lighting.

With a view to improving R&D process, Edison Opto develops the vertical platform on TEMO (Thermal · Electrical · Mechanical · Optical) to ensure the quality of products and services; Furthermore, Edison Opto also creates LDMS (LED Design & Manufacturing Service) from the light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.
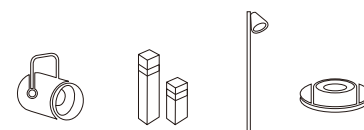
## Indoor

- Ceiling Track Light
- Spot Light
- Recessed Light
- Down Light
- Pendant Light
- Indoor Wall/Ground
- Wall Lamp
- Floor Lamp

## Outdoor

- Pillar Light
- Projector
- Pole Lamp
- In-ground Lamp
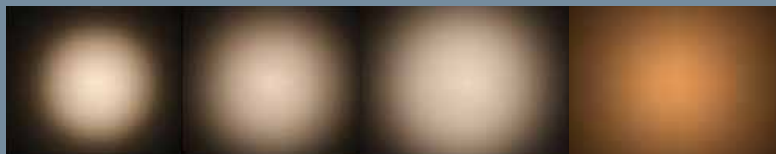
**D34**  **D38**  **D47**  **D57**  **D50 DTW**  **D85**

## Optical Performance

Edison Opto DOB III Series offers high flux and high color rendering index which enables luminaire elegant design of outstanding optical performance through narrow beam angle and tunable function as well as Dim to Warm Solutions.

- LES Φ6.3mm / Φ9.6mm & Φ11.9mm
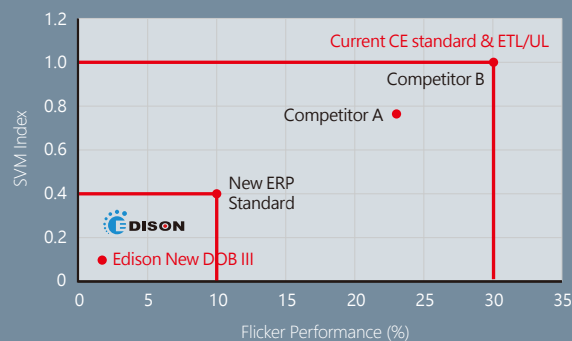- Lens beam angles from 15° / 24° / 36° to 50°

FWHM=24°    FWHM=36°    FWHM=50°    1800K、Ra90 (50°)

NEW ErP Regulations have been developed energy efficiency labeling standards for lighting products.

## Specifications

| Item | EMC | | | | | | | | | | | COB | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dimension | D34 | | D38 | | D47 | | | | D57 | | | D50 Dim to warm | | D85 | |
| Watt | 4 | 5 | 6 | 6 | 8 | 6 | 8 | 10 | 12 | 12 | 15 | 20 | 8 | 12 | 30 | 40 |
| LES (mm) | 6.3 | | 6.3 | | 6.3 | | | 9.6 | | 9.6 | | | 9.6 | | 11.9 | |
| Input Voltage | 230V@50/60Hz | | | | | | | | | | | | 1800K@140V 2700K@230V | | 230V@50/60Hz | |
| Flicker | < 10% | | | | | | | | | | | | < 10% | | < 10% | |
| PF | > 0.9 | | | | | | | | | | | | > 0.9 | | > 0.9 | |
| Lumen / Ra80 / 2700K | 390 | 490 | 540 | 550 | 740 | 550 | 740 | 1130 | 1200 | 1330 | 1635 | 2060 | | | 3265 | 4260 |
| Lumen / Ra80 / 3000K | 400 | 500 | 555 | 570 | 760 | 570 | 760 | 1160 | 1255 | 1370 | 1680 | 2140 | | | 3365 | 4385 |
| Lumen / Ra80 / 4000K | 420 | 525 | 580 | 600 | 800 | 600 | 800 | 1215 | 1325 | 1505 | 1860 | 2205 | | | 3465 | 4500 |
| Lumen / Ra90 / 2700K | 350 | 440 | 490 | 490 | 660 | 490 | 660 | 1010 | 1090 | 1130 | 1425 | 1920 | 250(@1800K) | 360(@1800K) | 2860 | 3735 |
| Lumen / Ra90 / 3000K | 360 | 450 | 450 | 505 | 680 | 510 | 680 | 1035 | 1140 | 1160 | 1450 | 1960 | 750(@2700K) | 1085(@2700K) | 2950 | 3850 |
| Lumen / Ra90 / 4000K | 380 | 475 | 475 | 525 | 720 | 540 | 720 | 1090 | 1180 | 1280 | 1590 | 1990 | | | 3040 | 3965 |

## Solution

### Holder
- DOB III D34/47/57/85/50 DTW
- Color: White/Black

### Optic

**Lens**
- Herculux
- LEDIL
- OSYS

**Reflector**
- Herculux
- Darko

### Dimmer

**For DOB 230V**
- LUCCI
- LUMEX
- ACTEC
- JUNG
- ABB
- GIRA
- RADIANT
- SHUTTLE
- HAGER
- LEGRAND
- VLTIMATE
- VARILIGHT
- HAMILTON
- AURORA
- ARDITI

**For DOB 120V**
- LUTRON

**DOB III  D47**
- S-603PG-WH
- N-600-AL
- DVELV-300P-WH
- LGCL-153P
- CTCL-153P

**DOB III  D57**
- CT-603PGH
- S-603PG-WH
- N-600-AL
- DVELV-300P-WH
- LGCL-153P

- LEVITON: DOB III D47/D57
  - IPL06
  - DSL06