



| MODEL       | A (mm) | B (mm) | C (mm) | D (mm) |
|-------------|--------|--------|--------|--------|
| FL 20W      | 117    | 110    | 143    | 33     |
| FL 50W      | 174    | 160    | 200    | 43     |
| FL 50W ASYM | 223    | 220    | 262    | 49     |
| FL 100W     | 272    | 265    | 315    | 60     |
| FL 150W     | 297    | 300    | 350    | 60     |
| FL 200W     | 347    | 360    | 408    | 60     |

## Datasheet

### Lighting characteristics

|                               |                                  |
|-------------------------------|----------------------------------|
| Output flux                   | 24,000 lm                        |
| Luminous flux (TJ=25°C)       | 28,800 lm                        |
| Luminaire power               | 200 W                            |
| Output efficiency             | 120 lm/W                         |
| Color temperature             | 4000K                            |
| Optics type                   | Ultra bright aluminium reflector |
| Optics                        | Symmetric wide                   |
| CRI                           | CRI 80                           |
| Color shift                   | 5 MacAdam Step                   |
| Photobiological risk EN 62471 | RG0 - Exempt Group               |
| Flicker free                  | < 3%                             |
| Life time                     | L80 @50.000h Tq=25°C             |

### Mechanical characteristics

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Manufacturing material    | Aluminum alloy                                   |
| Surface finishing         | Atoxic, anti UV polyester paint oven polymerized |
| Colour                    | Black                                            |
| Diffuser type             | Extraclear tempered glass 4 mm                   |
| IP Protection degree      | IP65                                             |
| Shock resistance          | IK08 according to IEC/EN 62262                   |
| Corrosivity category      | Equivalent to C2 (ISO 12944)                     |
| Mounting system           | Adjustable bracket -135° + 135°                  |
| Net Weight                | 3.5 KG                                           |
| Working Environment Temp. | Min: -20°C ;Max: +50°C                           |
| Warehousing Temperature   | Min: -40°C ;Max: +70°C                           |

### Electrical characteristics

|                        |                              |
|------------------------|------------------------------|
| Insulation Class       | I                            |
| Supply Voltage         | 120-277V AC 50/60Hz          |
| Control system/dimming | Standard on-off              |
| Surge protection       | 4kV mode com. 6kV mode diff. |
| Power factor           | >0,95                        |
| Hole type              | V099                         |
| Max conductor section  | 1 mm²                        |
| Tightening diameter    | -                            |

### Reference Standards and Directives

|                                  |                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranty                         | 2 years extendable to 5                                                                                                                                                                                                                                                            |
| Certification and approval marks | CE, UKCA                                                                                                                                                                                                                                                                           |
| Directives                       | 2009/125/EC (ERP), 2011/65/EU (RoHS), 2012/19/EU (WEEE), 2014/30/EU (EMC), 2014/35/EU (LVD), Reg. EC 1907/2006 (REACH), Reg. EU 2019/2020 (EcoDesign)                                                                                                                              |
| Reference Standards              | EN 60598-2-5:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009, EN 62311:2008, EN 62471:2008, EN 62493:2015, EN IEC 55015:2019, EN IEC 55015:2019/A11:2020, EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN IEC 60598-2-1:2021, EN IEC 63000:2018, IEC TR 62778:2014 |

The images are purely indicative. The indicated values of luminous flux and declared power have tolerances of +/- 10%. Lewden reserves the right to make changes without notice.