



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	12,000 lm
Luminous flux (TJ=25°C)	14,400 lm
Luminaire power	100 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	2.3 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.