

## INSTALLATION INSTRUCTION

### SLFLO80, SLFLO100, SLFLO150, SLFLO230, SLFLO300, SLFLO460, SLFLO600

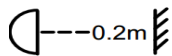
Please read these instructions before installation and retain for the user/maintenance engineer for future reference

#### Specification


Item	Model	Input Voltage	Power Factor	Watt	Color Temperature	Output Lumen	Total Watt Incl Driver	CRI	Input Current	Dimensions (mm)	Weight
A	SLFLO80	100-277 VAC	≥0.9	80W	5000K	10,513	73.6~86.4W	>70	1.0A	320*86*250	2.23kg
B	SLFLO100			100W	5000K	14,061	92~108W	>70	1.4A	280*341*87	2.4kg
C	SLFLO150			150W	5000K	20,582	138~157W	>70	1.8A	280*341*87	3.0kg
D	SLFLO230			230W	5000K	31,060	211~241W	>70	2.8A	435*341*87	4.2kg
E	SLFLO300			300W	5000K	41,868	276~315W	>70	3.7A	559*341*88	6.9kg
F	SLFLO460			460W	5000K	66,344	437~483W	>70	5.6 A	647*494*127	11.9kg
G	SLFLO600			600W	5000K	91,718	570~630W	>70	7.0 A	647*577*124	15.2kg

- Operating Temperature -40°~+40°c
- IP65

#### APPLICATION ITEMS

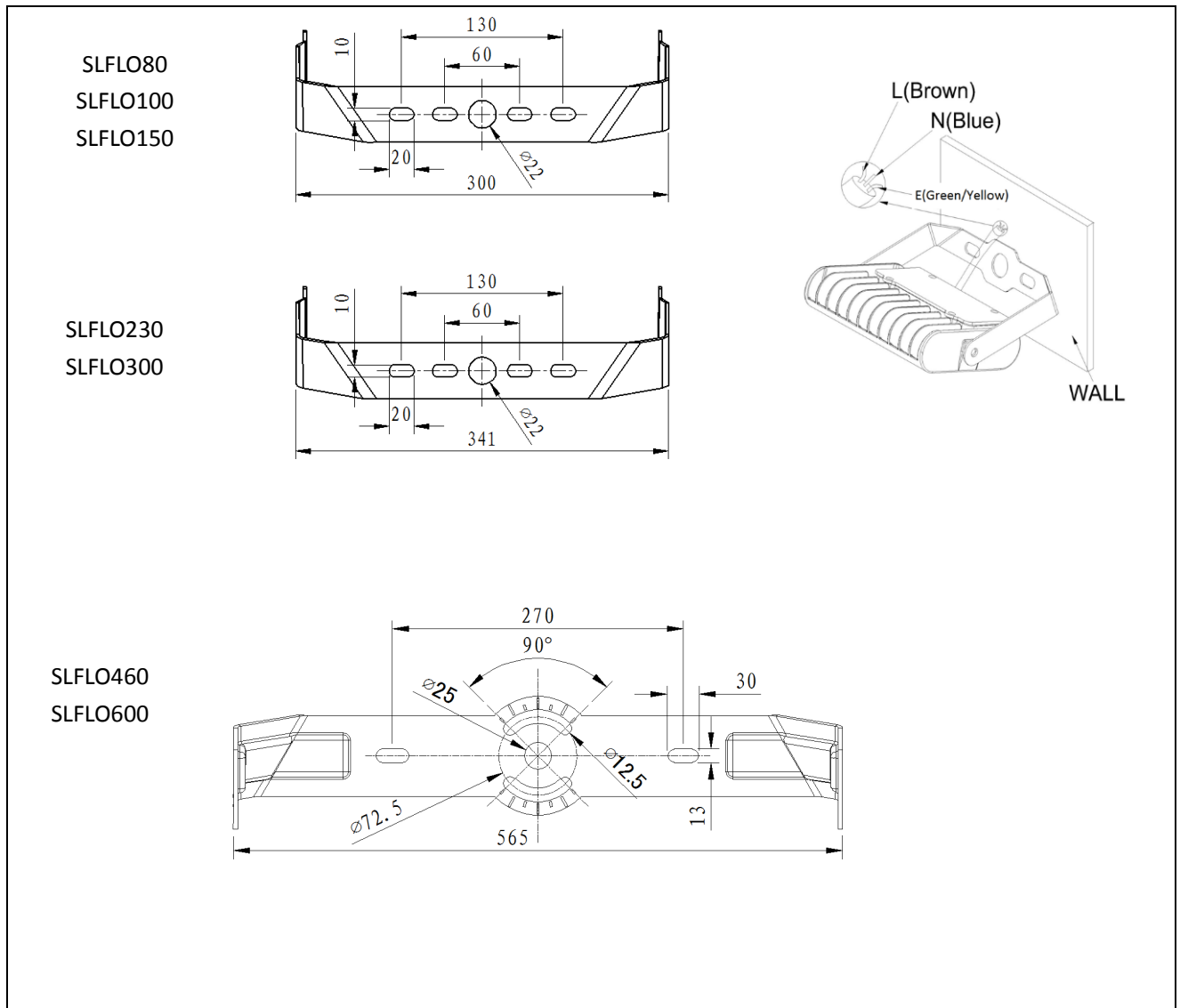


#### **IMPORTANT**

- Installation must be carried out by a skilled electrician who is familiar with the appropriate standards and technical requirements of the appliance also taking in to consideration the latest building regulations.
- The person carrying out the installation is to check and verify that the total load on the circuit, including the rating of the cable, fuse and/or circuit breaker is not exceeded
- Ensure there is adequate ventilation around the luminaire
- Ensure the AC mains supply is isolated when installing or servicing
- This product must be earthed 
- DO NOT look or stare at the LED fitting directly when in close proximity once illuminated
- Never modify the luminaire, there are no user serviceable parts inside.

## Installation

- Ensure the electrical AC power is OFF before and during installation
- For the AC supply cable and connections a cable that is rated to 90°C should be used
- Ensure the luminaire is securely fixed to a surface/ceiling free from vibration
- Keep enough length of cable to ensure adjusting the angle of the fitting is unhindered
- A suitable IP rated junction box is required for the premade AC electrical connections (Brown = Live, Blue = Neutral and Yellow/Green = Earth), this luminaire require a suitable earth
- Check the lighting fixture is firmly fixed and the allen bolts have been inserted in to the bracket
- Check all the connections are wired and terminated correctly



## Maintenance

Repairs should only be carried out by a suitably qualified person.

Regular cleaning of luminaires should be carried out at regular intervals not only to ensure good optical performance but also ensure that dirt does not accumulate to such an extent as to impair the electrical or thermal safety of the fitting. This should be done with the luminaire switched off/isolated and a soft damp cloth should be used, do not use any chemicals or abrasives.

**Light Source Maintenance:** the light source of this luminaire is not replaceable; in case the light source need to be replaced (e.g. at the end of its life), the whole luminaire shall be replaced.

## Warranty:

This product is covered by an extended warranty for 5 years from date of purchase.

The extended warranty is available for installations in the UK or Ireland by a competent person in accordance with the current building and IEE wiring regulations.

If the defective product is no longer available then Challenger may provide alternatives of similar specification and quality.

The ambient temperatures and environment and voltage range according to manufacturer specifications are not exceeded

The product is not exposed to any adverse mechanical stresses or impact

For full terms and conditions in regards to our extended warranty please refer to the website.

Due to our policy of continuous improvement we reserve the right to change specification without prior notice. Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by Challenger for any misinterpretation of these instructions.

## CHALLENGER SECURITY PRODUCTS

10 Sandersons Way,  
Blackpool, FY4 4NB

Email: [enquiries@challenger.co.uk](mailto:enquiries@challenger.co.uk)

Web: [www.challenger.co.uk](http://www.challenger.co.uk)

