INSTALLATION INSTRUCTIONS

A guide for qualified electricians

PACK CONTENTS:
LEDweatherproof fitting

FIXING KIT:
2 x Suspension brackets
2 x Hanging hooks
1 x Grommet
1 x IP65 gland
4 x Wall plugs
4 x Fixing screws
4 x Washers

Standard IP65 LED Weatherproof Fittings

Theseinstructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE

LED LAMP SPECIFICATIONS:	4W Single	4W Twin	5W Single	5W Twin	6W Single	6W Twin
Luminaire lumens(with diffuser)	**1950 lm**	**3880 lm**	**3180 lm**	**6020lm**	**3680 lm**	**6980lm**
Lumens from chip (no diffuser)	**2237 lm**	**4700lm**	**3600lm**	**6840lm**	**4120 lm**	**7940lm**
Useful lumens	**1900 lm**	**3800 lm**	**3050lm**	**5815 lm**	**3505 lm**	**6720 lm**
Rated Wattage	19W	38W	30W	58W	35W	68W
Rated luminous flux	1900 lm	3800 lm	3050 lm	5815 lm	3505 lm	6720 lm
Nominal life time of the lamp	40,000 hrs	40,000 hrs	40,000 hrs	40,000 hrs	40,000 hrs	40,000 hrs
Colour temperature	4000K	4000K	4000K	4000K	4000K	4000K
Number of switching cycles before premature lamp failure	≥15,000	≥15,000	≥15,000	≥15,000	≥15,000	≥15,000
Warm-up time up to 60% of the full light output	Instant full light	Instant full light	Instant full light	Instant full light	Instant full light	Instant full light
Dimmable	No	No	No	No	No	No
Nominal beam angle	120°	120°	120°	120°	120°	120°
Rated power	19W	38W	30W	58W	35W	68W
Rated lamp lifetime	40,000 hrs	40,000 hrs	40,000 hrs	40,000 hrs	40,000 hrs	40,000 hrs
Lamp power factor	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9
Lumen maintenance factor at end of nominal life	≥0.70	≥0.70	≥0.70	≥0.70	≥0.70	≥0.70
Starting time	<0.1s	<0.1s	<0.1s	<0.1s	<0.1s	<0.1s
Colour rendering	≥80	≥80	≥80	≥80	≥80	≥80
Colour consistency	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse
Rated peak intensity	530cd	880cd	720cd	1510cd	840cd	1610cd
Rated beam angle	120°	120°	120°	120°	120°	120°
Voltage / Frequency	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz

Not suitable for accentlighting

IP65

READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This product must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it.

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal service. Using this fitting in any other environments may result in a shortened working life, for example where there is prolonged periods of use or higher than normal ambient temperatures.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

Disconnect the driver from the electrical supply before flash or high voltage testing.

Do not connect to a circuit which also has inductive loads connected; switching of inductive loads will generate spikes which may damage electronic components within your driver.

This unit is suitable for outdoor use.

This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Make sure that the fixings are strong enough to support the considerable weight of the fitting and hold it rigidly.

The chosen location of your new fitting should allow for the product to be securely mounted (e.g. to a ceiling joist) and safely connected to the mains supply (lighting circuit).

This product must be connected to earth termination.

This product is not intended to be used by children and persons with sensory, physical and/or mental impairments that would prevent them from using it safely.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations.

LAMP REPLACEMENT:

The light source is designed to last the lifetime of the luminaire.

The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.

CAUTION, RISK OF ELECTRIC SHOCK.

EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005 — UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/GA0248QZ.

WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

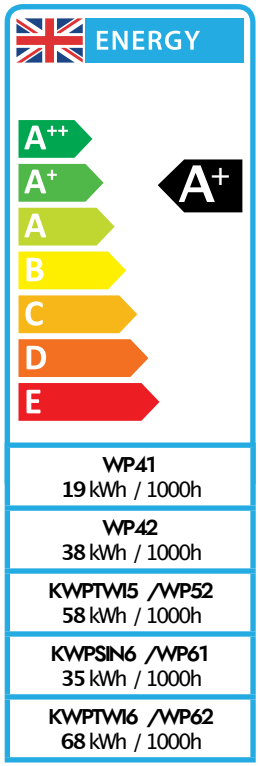
CLEANING:

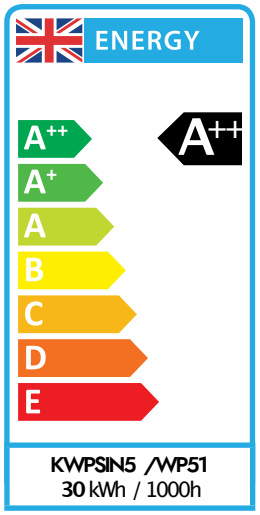
Disconnect the power and clean the exterior only of this fitting with a moist (not wet) cloth.

Do not use any chemical or abrasive cleaners.

IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it.





INSTALLATION:

DO NOT drill holes into the body enclosure to create fixing points as this will invalidate the IP rating.

01) Choose the location of your new fitting giving consideration to all of the conditions listed above and the position of the entry points for the mains supply cable.

02) Suspension brackets are suitable for fixing to BES A mounting points. Use the washers provided where required.

03) Hanging clips are supplied to allow the fitting to be suspended from chains (not supplied). Ensure that the chain is strong enough to support the fitting and the tops of the chains are fixed securely to the mounting surface.

04) The suspension brackets should be positioned on the centreline of the fitting at the fixing centres shown on the table opposite.

05) If fixing directly to a solid surface drill holes 6mm and insert the plastic plugs provided. Place the washers onto the screws before fixing.

06) If the fixings supplied are not appropriate for your installation to hold the fitting securely, please select suitable alternatives.

07) To release diffuser, put your finger in the hole on top of the clip and pull outwards to release the diffuser clips to open up the fitting.

08) Press together the tops of the gear tray clips protruding through the middle of the gear tray and lift the tray out of the fitting.

09) Cable gland and grommets are provided for convenience but it is the installers responsibility to employ the correct connection method to maintain the correct IP rating for the environment.

10) Choose a cable entry point and drill a suitable hole for the cable gland, grommet or chosen method.

11) Thread the supply cable through the gland / grommet.

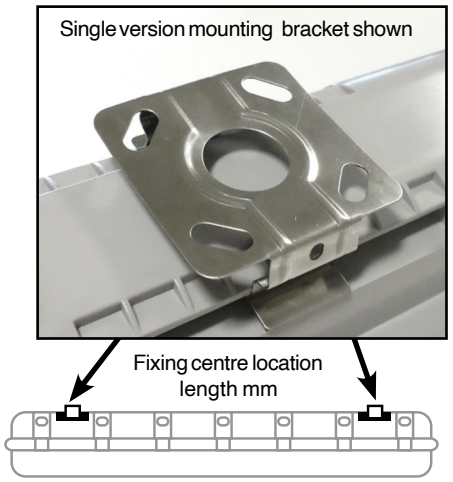
12) Make connections to the terminal block on the back of the metal gear tray according to the following colour code:

L	Switched Live (Brown)
L'	Reserved for emergency conversion
⏚	Earth (Yellow/Green)
N	Neutral (Blue)

When making connections ensure that no strands of wire protrude and that the cables are securely held in the push terminals.

13) Locate the gear tray over the clips protruding from the case and press the gear tray into position. Ensure that all clips have latched securely.

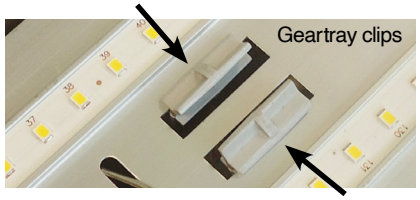
14) Hold the diffuser in position on the fitting so that it is seated on the soft foam gasket all the way around.

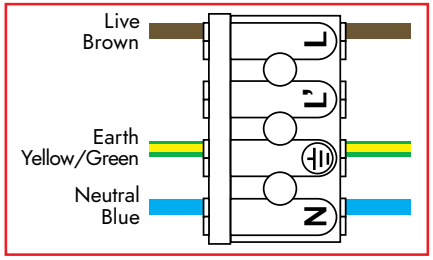


Product Code	Fixing Centre
WP41 / WP42	840mm
KWPSIN5/ KWPTWI5/ WP51 / WP52	1120mm
KWPSIN6/ KWPTWI6/ WP61 / WP62	1400mm

NOTE: The end clips on one side are secured to the diffuser for ease of fitting







Terminal capacity: 0.5mm² - 2.5mm²