

# Installation and Wiring Instructions for the 50-80W Amenity/Security Wall Lights

**Application :** The range of Amenity/Security Wall Lights has been designed for a wide variety of external industrial and commercial environments. These include the localised illumination of walls and adjacent pathways of factories, warehouses, sports halls and most industrial/commercial buildings.

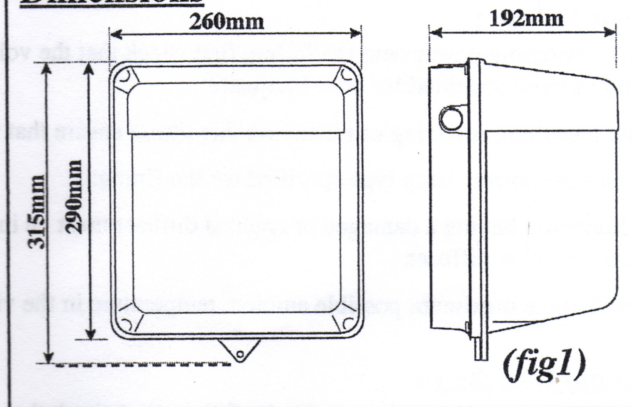
## Specification :

- \* Supply voltage 240Vac, 50Hz ( unless otherwise specified )
- \* Maximum weight of the fitting is 3.0Kg
- \* Class II classification for protection against electric shock
- \* Base and diffuser frame fabricated from polycarbonate
- \* Ambient temperature  $-30^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$  SON  
and  $-20^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$  ( MBF and Metal Halide )
- \* IP65

## Fusing :

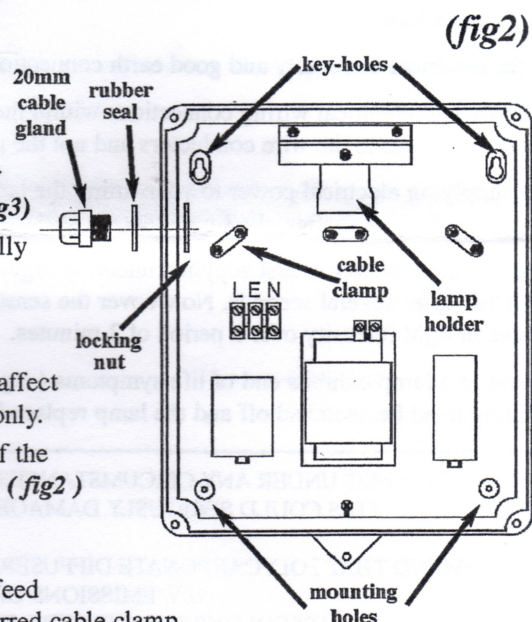
Fuse rating ( Amps ), HRC/MBC  
50-80 Watts, 4 Amps ( 1-4 fittings per circuits )  
50-80 Watts, 6 Amps ( 5-6 fittings per circuits )

## Dimensions

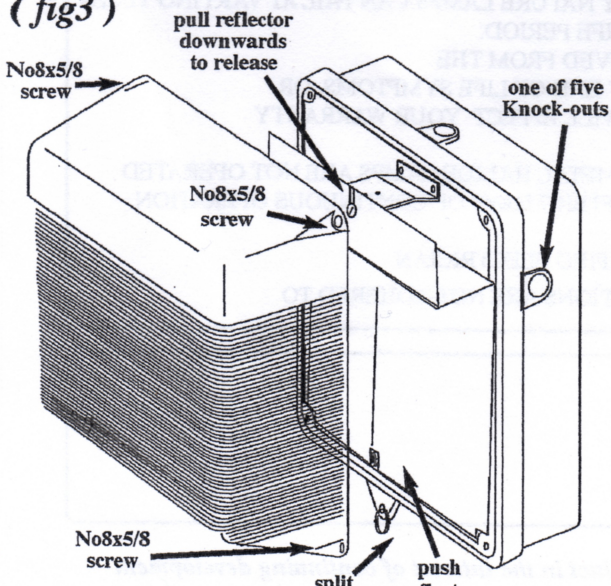


## Installation

- ( 1 ) Take the fitting from its packing box and locate the small plastic bag containing split ring, four No8x5/8 screws, four nylon washers and a 20mm cable gland complete with associated locking nut and rubber seal.
  - ( 2 ) Remove the reflector by first loosening the two securing screws, but do not unscrew, now slide the top of the reflector down, enough to release the reflector from the location slot, then release the lower half by lifting the reflector out. (fig3)
  - ( 3 ) A knock-out for a 20mm cable gland is located on each side of the base. Carefully remove the desired knock-out and then secure the 20mm cable gland provided. To maintain the IP integrity of the luminaire, correctly locate and secure the associated rubber seal and locking nut. (fig2)
- Never wire the fitting using flat 'twin & earth' cable since this could adversely affect its IP rating. Use a minimum of  $2.5\text{mm}^2$  mains cable, of circular cross-section only.
- ( 4 ) Now prepare the two key-holes and two mounting holes positions on the base of the luminaire, then secure the base in its desired location, using appropriate screws. (fig2) Ensure that the IP integrity of the fitting is not impaired by the way you secure the screws through the base.
  - ( 5 ) Once the base is secured, check that the mains supply is switched off, and then feed the cable through the selected cable entry and then secure the cable via the preferred cable clamp. Ensure that you have sufficient spare cable inside the fitting to make the required connection.



## ( fig3 )



- ( 6 ) Now make the wiring connections from a suitably fused mains supply to the luminaire 'N' denotes ( Neutral ), 'E' ( Earth ) and 'L' ( Live ).
- ( 7 ) Once all the wiring is complete relocate the reflector into the base and secure it via the two securing screws.
- ( 8 ) Carefully screw the appropriate lamp into the lamp holder.
- ( 9 ) Now secure the diffuser via the four No8x5/8 screws, tighten only enough to maintain the IP integrity of the luminaire. (fig3)  
*Note: to avoid damage to the diffuser do not over tighten the above four screws.*
- (10) Finally fit the split ring through both the diffuser and main body.



### **Fitting and Positioning:**

- Only mount the fitting at a point that is stable, secure and strong enough to maintain it in its desired orientation in the most severe weather conditions.
- Do not mount your fitting on a flammable surface and do not focus it on any object less 1.0 metre away from the light source.
- Do not position the fitting in an enclosure or other location which has a restricted air flow.
- Thought should be given to the siting of the dusk/dawn sensor versions of floodlight. The light switching level will be affected if the unit is situated under the eaves of the building or the sensor obscured from the ambient light falling on the surface during day light conditions.

### **or Your Safety :**

- Prior to switching power onto the fitting, first check that the voltage and frequency of the electricity supply corresponds exactly to those specified for your luminaire.
- Before installing, servicing or relamping this fitting ensure that the mains is switched off.
- Only use the correct lamp type specified for the fitting.
- Any luminaire having a damaged or cracked diffuser must be immediately disconnected from the electricity supply and fitted with a new diffuser.
- Check that the maximum possible ambient temperature in the vicinity of the fitting never exceeds that specified for the fitting.

### **Additional Checks :**

- Before supplying electrical power to the fitting, first check that all wiring and fusing conforms to the relevant electrical wiring regulations.
- Test for electrical continuity and good earth connections before switching on power.
- Ensure that all electrical wiring connections within the fitting are made ensuring that the connector block termination screws are fast on to the wire conductors and not the protective insulation sheathing.
- After supplying electrical power to your fitting the lamp should ignite and gradually increase in light intensity over a period of approximately 3 minutes.
- When electrical power is first supplied under daylight conditions, to a dusk/dawn sensor version, the lamp will ignite then switch 'off' after several seconds. Now cover the sensor for approximately 30 seconds and the lamp will re-ignite and then gradually increase in light intensity over a period of 3 minutes.
- As soon as a lamp exhibits end of life symptoms ( e.g. flickering, intermittent ignition or noticeably varying in intensity ) the fitting must be switched off and the lamp replaced, otherwise damage to the control gear will ensue.

DO NOT UNDER ANY CIRCUMSTANCES USE MEGGER TESTING EQUIPMENT ON THE FITTING SINCE THIS COULD SERIOUSLY DAMAGE THE ELECTRONICS IN THE IGNITOR UNIT. ( IF FITTED )

WE RECOMMEND THAT POLYCARBONATE DIFFUSERS ARE REGULARLY INSPECTED FOR SIGNS OF DEGRADATION DUE TO THE U.V. EMISSIONS OF HQI AND MBF LAMPS IN PARTICULAR..

ANY DISCOLOURED DIFFUSERS, WHICH REDUCE LIGHT LEVELS BELOW THAT REQUIRED, SHOULD BE REPLACED. ANY CRACKED DIFFUSERS SHOULD BE REPLACED IMMEDIATELY.

PLANNED LAMP MAINTENANCE IS STRONGLY RECOMMENDED. BY THEIR VERY NATURE LAMPS CAN FAIL AT VARYING TIMES UPTO THEIR SPECIFIED AVERAGE END OF LIFE PERIOD.

IT IS ESSENTIAL THAT FAILED LAMPS BE REMOVED FROM THE CIRCUIT OR REPLACED, AS SOON AS THEY BEGIN TO EXHIBIT END OF LIFE SYMPTOMS, OR FAILURE OF THE BALLAST, IGNITOR ETC.. COULD ENSUE AND WILL EFFECT YOUR WARRANTY

TO HELP OPTIMISE LAMP LIFE IT IS RECOMMENDED THAT FITTINGS WITH METAL HALIDE LAMPS ARE NOT OPERATED CONTINUOUSLY AND SHOULD BE SWITCHED OFF FOR AT LEAST 30MINS AFTER 7 DAYS OF CONTINUOUS OPERATION.

THIS LUMINAIRE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN  
THE WARRANTY WILL BE AFFECTED IF THE ABOVE INSTRUCTIONS ARE NOT ADHERED TO