



Available finish:- Black

Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP65 IK10 240V~50Hz 12W/20W

These fittings are Class I and must be Earthed

Important Information

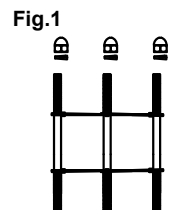
It is recommended that these luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control. These products are designed for connection to a 240V~50Hz supply. Any faulty, broken or damaged luminaires should be replaced immediately. KSR will not accept responsibility for any claims arising from a poor installation. Please Note: The limited warranty shall be deemed null and void in the following circumstances: Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0 ~ +35°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

Important User Advice

Always switch off mains supply before servicing and maintenance. Please ensure that a suitable maintenance schedule is performed at least quarterly, including greasing all moving parts and protection from exposure to natural elements in the form of a non-abrasive cleaner/water repellent protection to ensure the product gives you a long lasting trouble free life.

Installation Procedure

Safely isolate the mains supply before installation. Make up fixing kit as per Point 1 overleaf & dig a hole at least 260mm x 260mm square by 300mm deep (Point 2). Direct suitable cable from the source to the centre of the hole making sure there is enough cable to reach the terminal block for the bollard you have purchased. Pour concrete into the hole and while still wet insert the fixing kit ensuring that the threaded bar protrudes the correct length to fit the bollard base. Once the concrete has set, unscrew the 3 side allen bolts from the side of the bollard shaft & fix the bollard base ring to the fixing kit using the spring washers and nuts provided as per overleaf point 3. Refit the shaft on the locating lugs on the base ring and use the allen bolts removed to re fix in place ensuring they are greased beforehand, Remove the head by loosening the 3 grub screws. Access the driver tray by unscrewing the cover and the cable through the cable gland (8mm-12mm) and terminate wiring as per Figure 3 (SL = Live / ⊕ = Earth & N = Neutral - Do not wire into Terminals X & PL these will only be used in Emergency or Photocell versions). Tighten the cable gland ensuring a water tight connection. Select the LED colour you require using the switch on the driver casing. Refit the driver tray in reverse of removal ensuring the seal is in place (Insert the seal into the head not around the tray). Refit the bollard head ensuring the head locates onto the 3 lugs in the body, grease the 3 grub screws and tighten. Refit the bollard shaft Turn mains supply on and test luminaire. Do Not expose luminaire to areas where high pollution and saline maybe present.



Supplied Fixing Kit

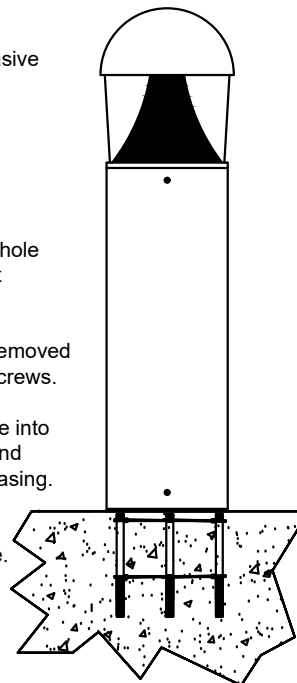
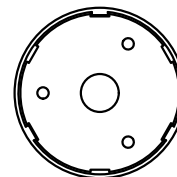


WARNING:
Do not change the CCT or Wattage of this bollard with the product switched on, all changes must be done with the power off.

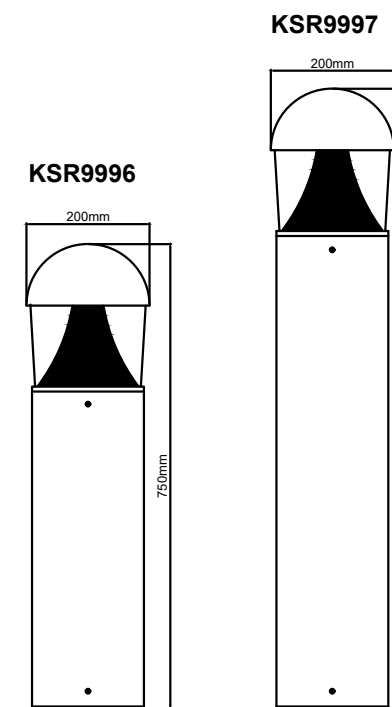
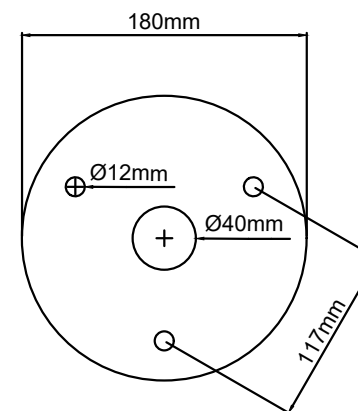
Base Fixing Ring.

Important Notes

- Ensure product is fitted to an even and stable surface.
- Do not force or overtighten the anchor bolts this can put a strain on the other fixings.



KSR9996 & 97 Base fixing details.



Mains Supply

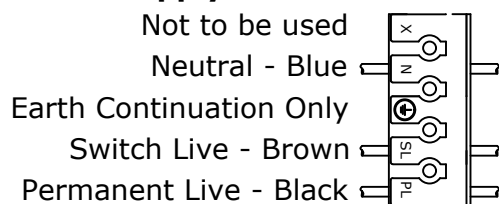


Fig.3

KSR Lighting Aftersales: 023 92 674343
E-mail: aftersales@ksrlighting.com



This product contains a light source of energy efficiency class F The Control Gear in this product can be replaced by a professional.

| Part Code / Wattage | CCT | CRI | Lumen output |
|--|-------|-----|--------------|
| KSR9996 12W - 750mm Multi Watt & 3CCT | 3000K | 84 | 1160lm |
| | 4000K | 88 | 1245lm |
| | 6000K | 85 | 1235lm |
| KSR9996 20W - 750mm Multi Watt & 3CCT | 3000K | 84 | 1885lm |
| | 4000K | 88 | 2055lm |
| | 6000K | 85 | 1950lm |
| KSR9997 12W - 1000mm Multi Watt & 3CCT | 3000K | 84 | 1160lm |
| | 4000K | 88 | 1245lm |
| | 6000K | 85 | 1235lm |
| KSR9997 20W - 1000mm Multi Watt & 3CCT | 3000K | 84 | 1885lm |
| | 4000K | 88 | 2055lm |
| | 6000K | 85 | 1950lm |

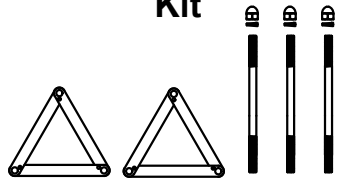


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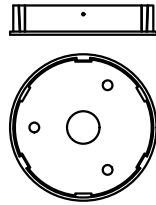
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Concrete Mount Kit Guidance

Supplied Fixing Kit

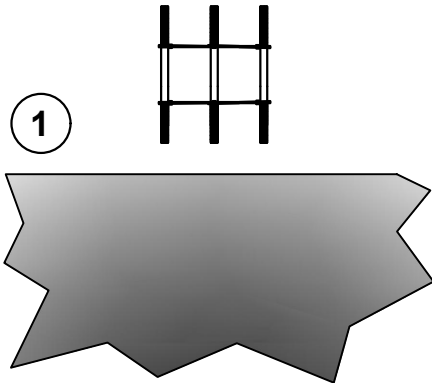


Base Fixing Ring.

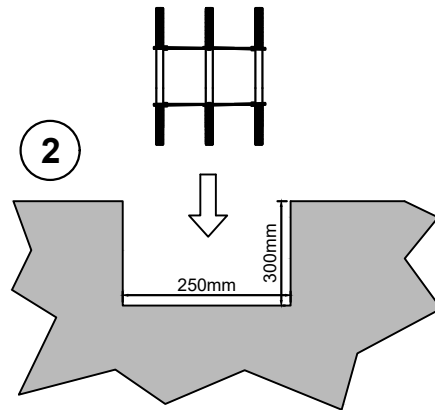


Important Notes

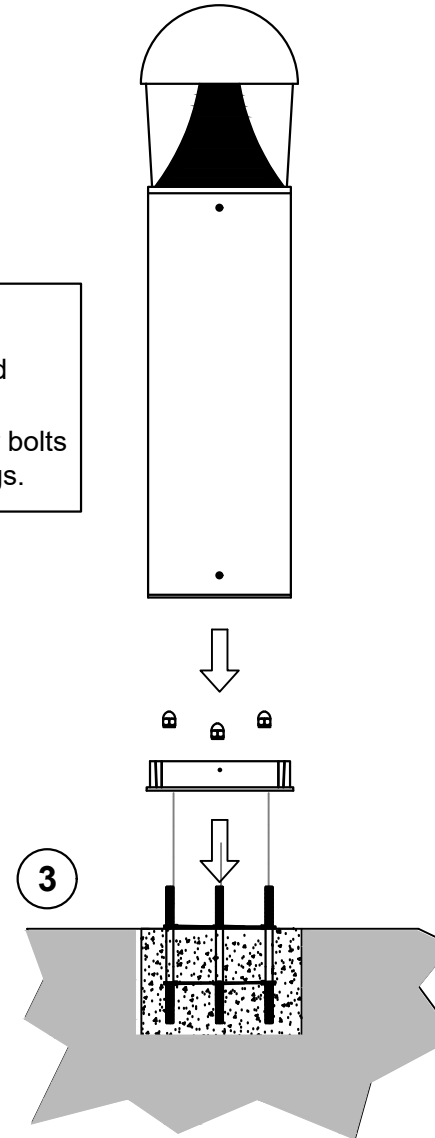
- Ensure product is fitted to an even and stable surface.
- Do not force or overtighten the anchor bolts this can put a strain on the other fixings.



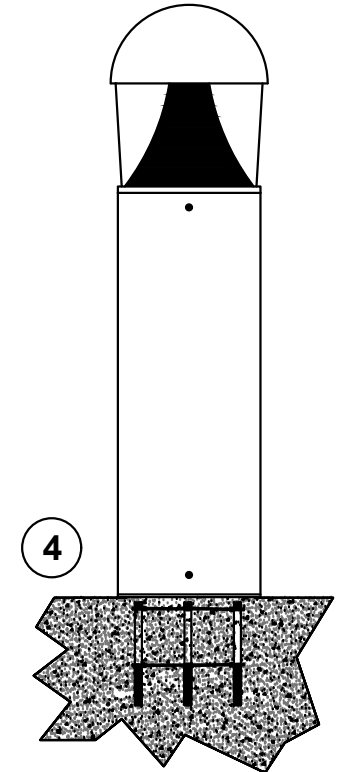
Choose a suitable Location to mount Bollard and assemble concrete mounting Kit.



Prepare a hole 250mm (L) x 250mm (W) x 300mm deep (D), proceed to fill hole with wet concrete mix and ensure hole is leveled off with fixing threads exposed. Make provision for supply cable ensuring any in ground/in line connector is suitably rated and watertight.



With the Concrete mount kit set proceed to attach bollard base to root mount kit threaded rods ensuring that when the base is tightened down that the locking nuts are evenly tightened



With Bollard now securely mounted to concrete base proceed to wire bollard and test.

