



Read these instructions before commencing installation & retain them for future reference.

Available finishes:- Anthracite or White

IP66 8W 240V

These fittings are Class I and must be Earthed

### Important Information

It is recommended that 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 broken or damaged parts should be replaced as soon as possible. KSR will not accept responsibility for any claims arising from a poor installation.

### General Maintenance

General maintenance and cleaning should be performed at least every 3 months. Clean product with a suitable cleaner never use abrasive products. After any maintenance or lamp replacement grease grub screws, nuts & bolts with a suitable waterproof repellent to ensure trouble free operation in the future.

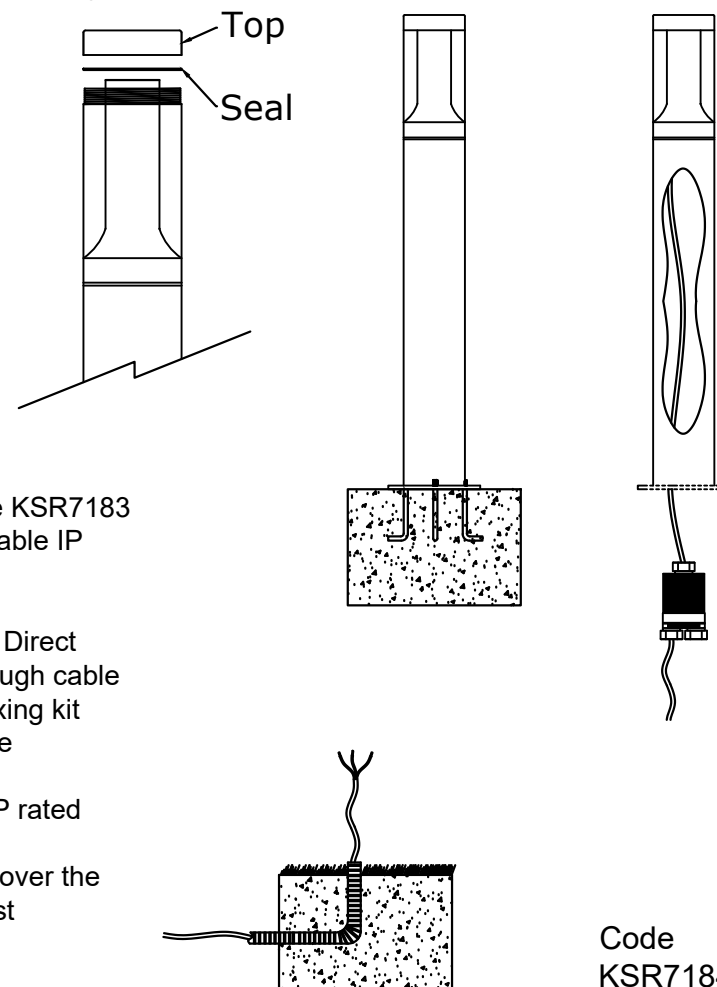
### Mounting Preparation

If the bollards are to be mounted on soft areas like grass or path edging is recommended you use the KSR7183 mounting kit. The Bollards are designed to take a HO7 Rubber flex or Hi Tuff cable, if using SWA a suitable IP rated connection box should be used. Ensure suitable conduit is used to protect cables where required.

1. Ensure mains supply is turned off.
2. When using the KSR7183 Concrete kit dig a hole at least 190mm x 190mm square by 190mm deep. Direct suitable cable from the source through the centre of the hole and concrete kit, making sure there is enough cable to reach the terminal block inside the bollard. 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. Allow to fully set before continuing.
3. Whilst protecting the paint finish lay the bollard on it's side and terminate your supply cables in to the IP rated connector provided, ensuring all glands are tight and secure.
4. Apply a suitable waterproof repellent to protect the nuts, threads and washers then place the bollard over the threaded studs and secure in place using the washers and nuts provided. Turn mains supply on and test luminaire.

Please Note: Due to various conditions when installing and locations you may find that condensation can build up inside the clear diffuser due to the high IP rating. This does not effect the luminaire but if this occurs you can remove the very top of the bollard by unscrewing anti-clockwise (Fig1). Carefully retain the rubber seal and once the condensation has dispersed refit the top ensuring the seal is fitted correctly, do not over tighten.

Fig.1



Code	Height
KSR7184	400mm
KSR7181	750mm
KSR7182	1000mm



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