

Diffuse 60mm Reflector Collimator - Part No. 270



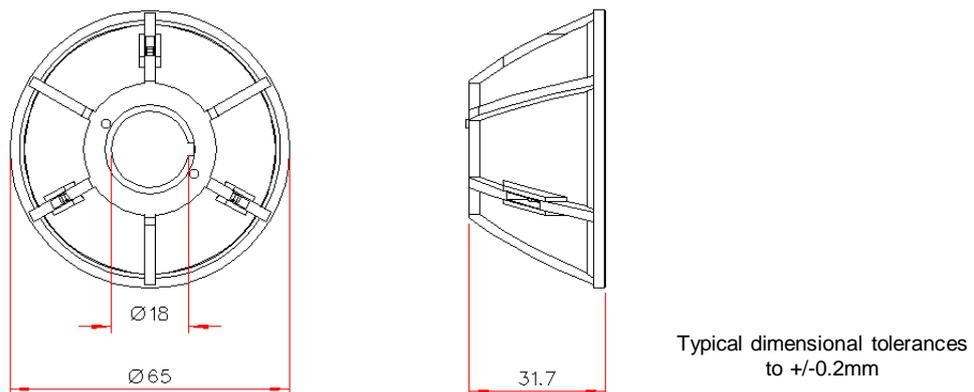
- Suitable for “free-mounting” to any Lambertian high power LED source or multi-source array device, up to 16mm in diameter.
- Front diffuser on reflector smooths out beam structure, with multiple LED devices.
- High light collection efficiency of >95%
- Precision moulded using POL’s patent applied for metallised optical insert moulding technique with a polycarbonate frame construction for superior mechanical and thermal stability

The 270 Reflector Optic is suitable for “free-mounting” for luminaire designs where the reflector is mounted to the LED source via the housing of the product or some other means to support the optic relative to the LED source. This gives users complete flexibility in the assembly method and positioning of the 270 Reflector Optic relative to the LED source.

However, to ensure the maximum light collection capability of the optic, the base of the 270 Reflector Optic has to be mounted as close to the LED source to reduce light leakage underneath the base of the optic.

POL can provide a wide range of base component products, which align and attach the 270 Reflector Optic to a wide range of LED types. These bases also ensure the maximum light collection capability from the source into the 270 Reflector Optic and can be used to change the beam angle and shape. Please enquire for further details of other variants available.

Please note that the beam angle and efficiency of the luminaire system will depend on the LED source type and the mounting arrangement of the 270 Reflector Optic combination. So, prototyping and experimentation are strongly advised to determine the optimum system build.



In order to determine if the particular beam properties and performance of this optic are suitable for your application with your chosen LED type, POL suggests that you obtain samples from POL or their distributors for your own product testing, as properties may vary with different LED types.

Due to continuous product improvement, POL reserve the right to change specifications without notice.