

P567 Luminaire

An ultra high-efficiency minor-road luminaire for side entry or post top fixing. An adjustable 3-position reflector system for wide, medium and narrow roads and an optional footpath reflector make this a versatile fitting. The modern design is suitable for any situation where a high performance fitting is required at a moderate cost.

FEATURES

- Compression moulded grey-blue monocoque body with low profile bowl for minimal visual intrusion.
- Unique ‘progressive toe-in’ reflector (design copyright) for best performance on wide variety of roads.
- High impact bowl and body for long life.
- Low glare injection-moulded Polycarbonate anti-vandal bowl.
- IP65 sealed lamp and gear compartment with equal pressure gasket system and activated charcoal FILTERSEAL - for minimal cleaning.
- Integral gear and lamp-holder on easily removable precision tray, accessible in one operation – for minimum stocks and quick scheme changes.
- Captive bowl, that will not detach accidentally, hangs vertically for easy access.

OPTIONS AND EXTRAS

- Miniature and NEMA photocell options.
- Flat glass option for full cut off use, near airports etc.
- Choice of RAL colours at extra cost – see inside back cover for details.
- 76mm post top adaptor with 5 degree up tilt.
- 150w CDM-TT & SON-T with remote gear.
- Use of compact fluorescent lamps (PL-L & PL-T).
- Footpath/cycleway reflector system option
- Dedicated CDM-T reflector system option with IP66 sealed lamp compartment.
- Wall bracket option. WB517.
- Plug in gear tray for speedier change of control gear.
- Electronic control gear.

Recommended Applications: Minor roads, residential areas, car Parks, industrial areas, footpaths, cycleways, railways, airports.

Suggested Column: 5-8m column for fixing on a side-entry bracket or post top spigot.

Wind area: 0.09m²

Spigot SE: 34 x 80mm or 42 x 100mm
PT: 76mm x 76mm

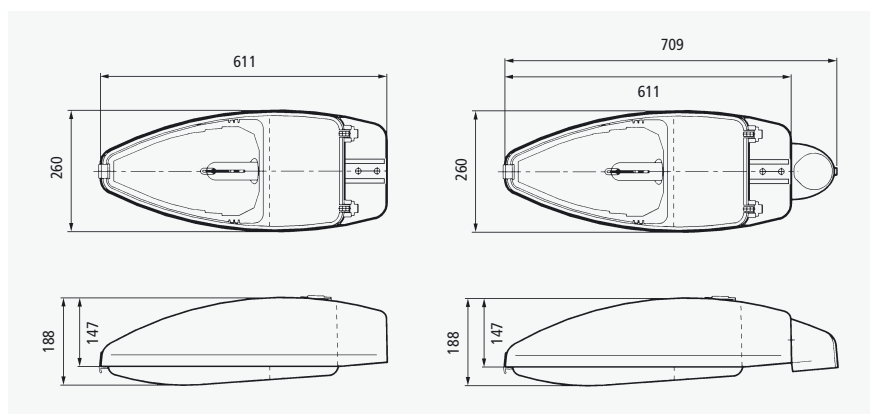
IP65



P567/SE with low profile bowl and side entry spigot



P567/PT/FCO with flat glass and post top spigot



P567/SE

P567/PT

Description	Product Number	Weight
Luminaire Reference	P567	5.3 kg
Side Entry Spigot	SE	-
Post Top Spigot	PT	0.6 kg
35w CDM control gear	35 CDMT	1.6 kg
35w SOX control gear	35 SOX	1.6 kg
50w SON/T control gear	50 SONT	1.6 kg
70w SON/T control gear	70 SONT	1.9 kg
70w CDM control gear	70 CDMTT	1.9 kg
100w SON/T control gear	100 SONT	2.1 kg
100w CDM control gear	100 CDM-TT	2.1 kg
24w PL-L electronic gear	24PLL	0.3 kg
42w PL-T electronic gear	42PLT	0.3 kg
Options		
NEMA photocell socket	NEMA	-
Miniature 1 part photocell	MINI	-
Flat glass	FCO	-
Footpath reflector	F	-
Special colour RAL number	RAL	-
Prewired with suitable length of cable	EW	-

FILTERSEALING FOR LIFE

A FILTERSEALED lantern is one which is sealed to IP65 and also incorporates an activated charcoal filter. The special granules of activated carbon have many thousands of tiny pores. One gram of these tiny particles has an internal surface area as great as two tennis courts. As air passes through the carbon it acts as a highly efficient filter trapping even microscopic traces of contaminants.

The FILTERSEALING of lanterns has many advantages some of which are:

1. High performance due to an absence of deterioration to components within the luminaire.
2. The reflector and the inside of the bowl need not be cleaned thus minimising maintenance costs.
3. As the only deterioration in performance is from lamp ageing and pollution on the outside of the fitting, higher maintenance factors may be used than with many other luminaires.

The real advantage of a FILTERSEALED luminaire over a sealed unit becomes apparent on analysis of the effect of a leak, even one the size of a pin hole. The effect of such a leak is that air will be sucked in and out of the luminaire through the leak due to expansion and contraction of air as the fitting heats up and cools down. The FILTERSEALED luminaire will breathe in and out the same volume of air but the activated charcoal filter provides a low resistance flow path which the air will follow and thus be cleaned.

PHOTOMETRIC CONTROL

Optical control of the P567 is not just putting the light in the right place, it's also not putting it in the wrong place. The low profile bowl ensures a minimal amount of upward light, flat glass is an option on the P567 for special areas.

Some luminaires can appear dim to the observer while still giving good measured lighting levels and some observers notice a flashing effect as the reflector comes into view. It is not only to maximise performance that the fitting is equipped with a progressive toe-in reflector but also to avoid either of the effects outlined above.

Light behind the fitting is a problem for a fitting situated at the back of the footpath, in so far as BS5489 Part 3 is concerned it is wasted. Streets are all different and the householder in a suburban street with a car parked in his drive will be glad if some



P567 6m FR506001

of your stray light falls on it, but the couple in the bedroom of the terrace house with a light not far outside their window will not have the same requirement. Phosco have attempted to solve this problem by offering an additional internal glare shield as an option which can be fitted on site if required. It will not solve all these types of problems but it indicates the detailed design effort put into the P567.

There are three basic types of minor roads - those with no pavement, those with one and those with two. This is obviously an over simplification but the light patterns required to efficiently light these roads are different and the unique progressive toe-in reflector incorporates a simple 3 position adjustment which can be altered on site to suit each road type. This luminaire is normally supplied in the wide position for total road and pavement width of 11m, but if a scheme has been prepared and the customer specifies either of the other positions it will be sent from the factory as requested. Footpaths and cycleways are much narrower than roads. A cycleway and footpath reflector is available which has a narrower beam width and enables wider spacings to be used where necessary.



P567 on FR2505B01