

Installation Instructions

Designed with an asymmetrical forward throwing lens, the Noctua flood light provides superior illumination and ground coverage. The lensed optics are engineered to achieve significant glare reduction. Applications include outdoor car parks, working yards, building perimeters and building facades.



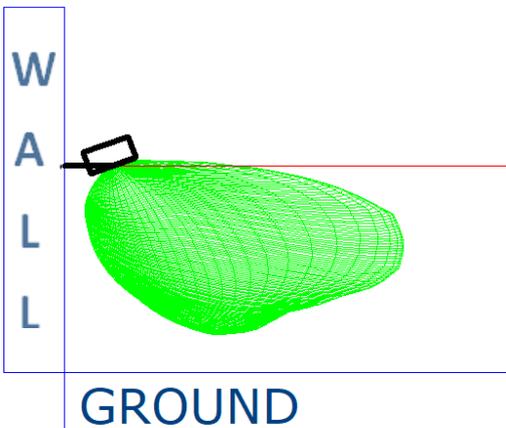
Note: This product must be installed by a licensed electrician. Do not disassemble or modify this luminaire.
No serviceable parts inside. The light is supplied with a 1.5m cable which must be terminated in a waterproof junction box.
Light must be operated within its specified operating parameters and in accordance with our warranty requirements.
These documents are available on our website.
This fitting should be installed with an upward tilt between 0° and 20° when illuminating an area. Tilt angles >20° will result in light wastage.

BENEFITS OF THE NOCTUA'S FORWARD THROWING LENS

The Noctua flood light is fitted with a unique forward throwing lens. The graphics below show the difference between the Noctua and a common LED flood light. Both lights are angled to achieve optimum illumination of the ground. It can be seen that the Noctua can be tilted at an angle of only 20 degrees to achieve the desired lighting outcome whereas the normal LED flood light has to be tilted to 45 degrees. The low tilt angle of the Noctua results in low glare, less light pollution and more light being delivered to where it's needed.

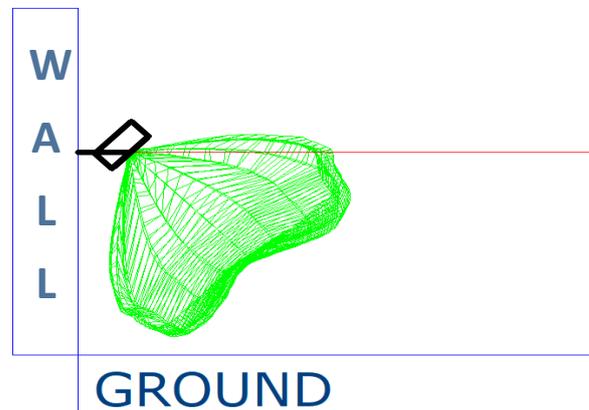
enLighten's Noctua LED flood light

Tilted upwards by 20°



Common LED flood light

Tilted upwards by 45°



1. At 20° upward tilt the wastage into the night sky is less than 3%.
2. Negligible spillage of light into nearby buildings and properties.
3. Provides up to 30% better illumination uniformity and saves up to 40W when compared against common LED floodlights.

1. Symmetrical light distribution results in up to 10% upward wasted light and causes unwanted light pollution in the night sky and light spill into nearby buildings and properties.
2. Avoiding backward spill to illuminate the front area requires 30° to 60° upward tilt resulting in glare and may lead to accidents due to impaired vision.

TECHNICAL DATA

Power	40W, 60W, 80W, 100W, 120W, 150W, 180W, 200W, 240W	Storage temperature	-40 to +70°C
Input voltage	220-240V AC, 50Hz	IP rating	IP66
Luminaire net weight	4.3kg, 4.5kg, 4.6kg, 6.3kg, 6.5kg, 6.8kg, 8.4kg, 8.6kg, 8.9kg	IK rating	IK08
Operating temperature	-30 to +45°C		

INSTALLATION

1. Switch mains power off.
2. Secure mounting bracket to surface ensuring a fixing method adequate for the fitting weight (see fig. 1&2).
3. Terminate the mains cable into an junction box with a suitable IP rating.
4. Switch mains power on.
5. Loosen adjustment knobs and adjust angle of the luminaire (see fig. 3). Tighten adjustment knobs.

The Noctua works best if tilted between 0 degrees and 20 degrees as shown on page 1.

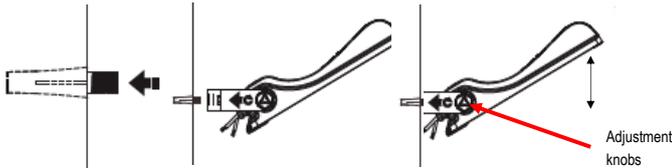


Fig 1

Fig 2

Fig 3

ACCESSORIES

Pole mount adaptors

Three sizes of powder coated pole mounted adaptors are available:

- **NFL-PM42** for 42mm OD round poles
- **NFL-PM60** for 60mm OD round poles
- **NFL-PM76** for 76mm OD round poles



Two sizes of powder coated pole clamp adaptors for mounting one or two Noctua lights on a pole. Pole clamp adaptor to be secured onto pole first and then lights can be mounted onto the pole clamp adaptor.

- **NFL-PC40-80** for Noctua 40W-80W, fits 40mm-100mm dia round pole
- **NFL-PC100-240** for Noctua 100W-240W, fits 40mm-150mm dia round pole



DIMENSIONS

