

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.



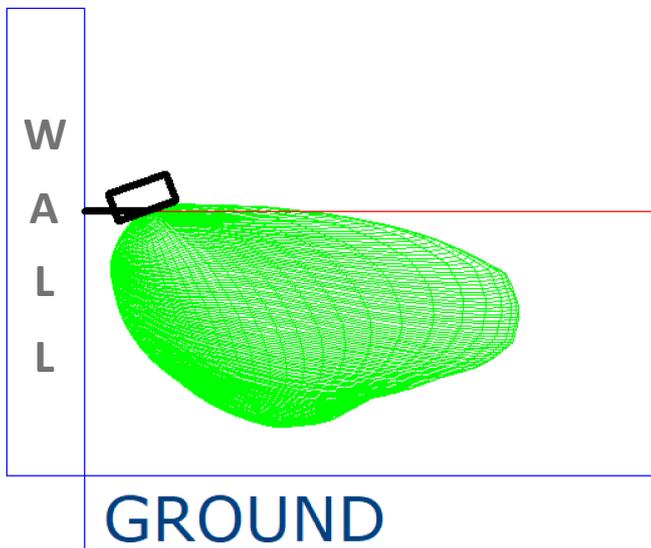
**Note: This product must be installed by a licensed electrician. Do not disassemble or modify this luminaire.**  
**No serviceable parts inside. The light is supplied with a 1.5m cable which must be terminated in waterproof junction box.**  
**Light must be operated within its specified operating parameters 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 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.

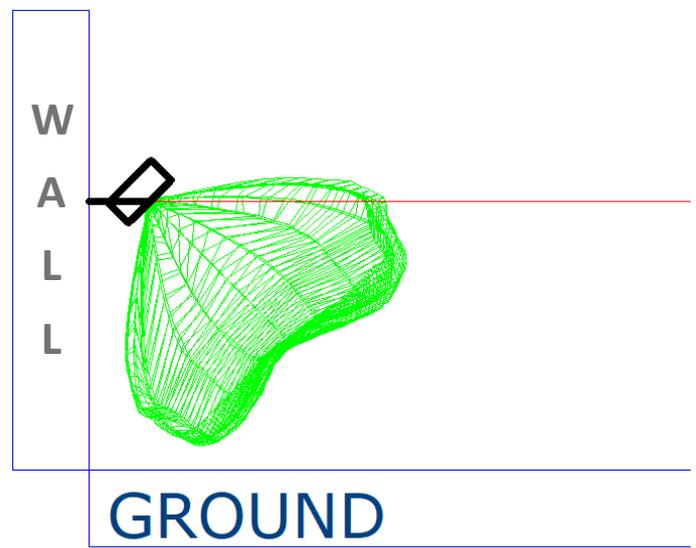
**enLighten's Noctua LED flood light**

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.

## 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.

## TECHNICAL DATA

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

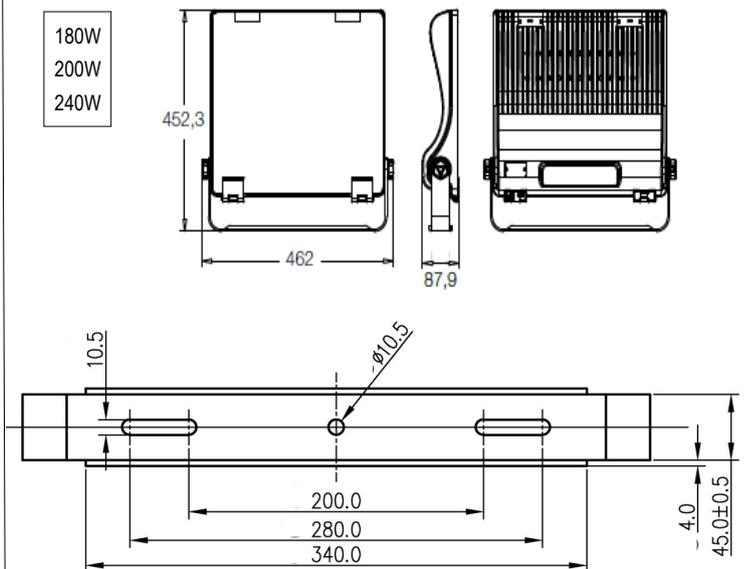
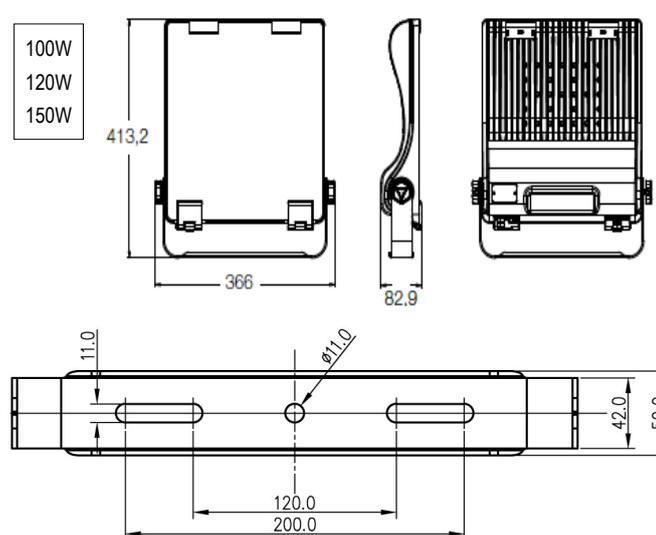
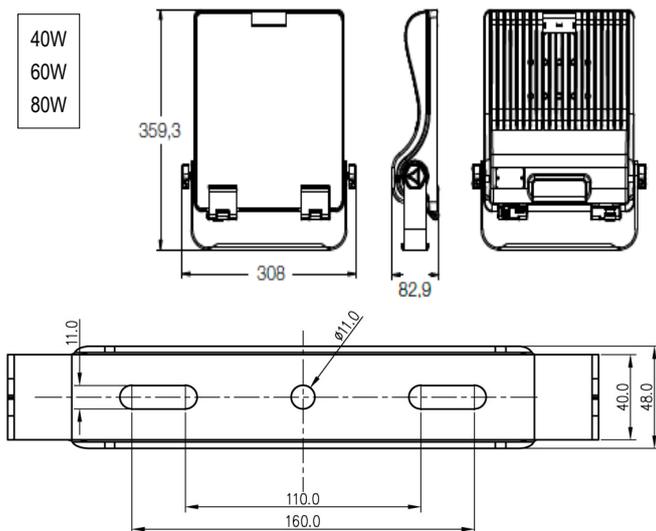


Fig 1

Fig 2

Fig 3

## DIMENSIONS



## ACCESSORIES

### Pole mount adaptors

Enlighten offers three sizes of powder coated pole mounted adaptors:

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

