

Introduction

The VECTOR IR Floodlight provides discreet yet powerfully effective night time illumination to help generate high quality vehicle context images at night, to go with ANPR images captured by Vysionics cameras. The Floodlight uses a lensed array of 850nm infra-red LEDs to project a pool of light onto the target vehicle as it passes through the capture point.

Infra Red Illumination:

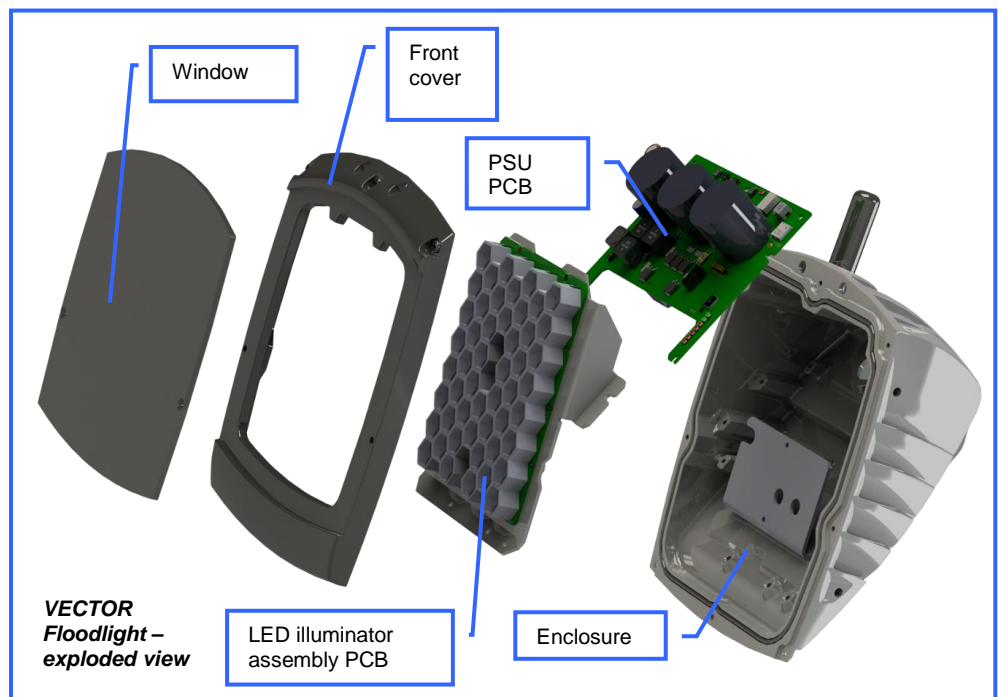
- Infra-red light is effectively invisible to the naked eye, so there is no driver distraction or light pollution. Installations are discreet and covert.



VECTOR Floodlight assembly

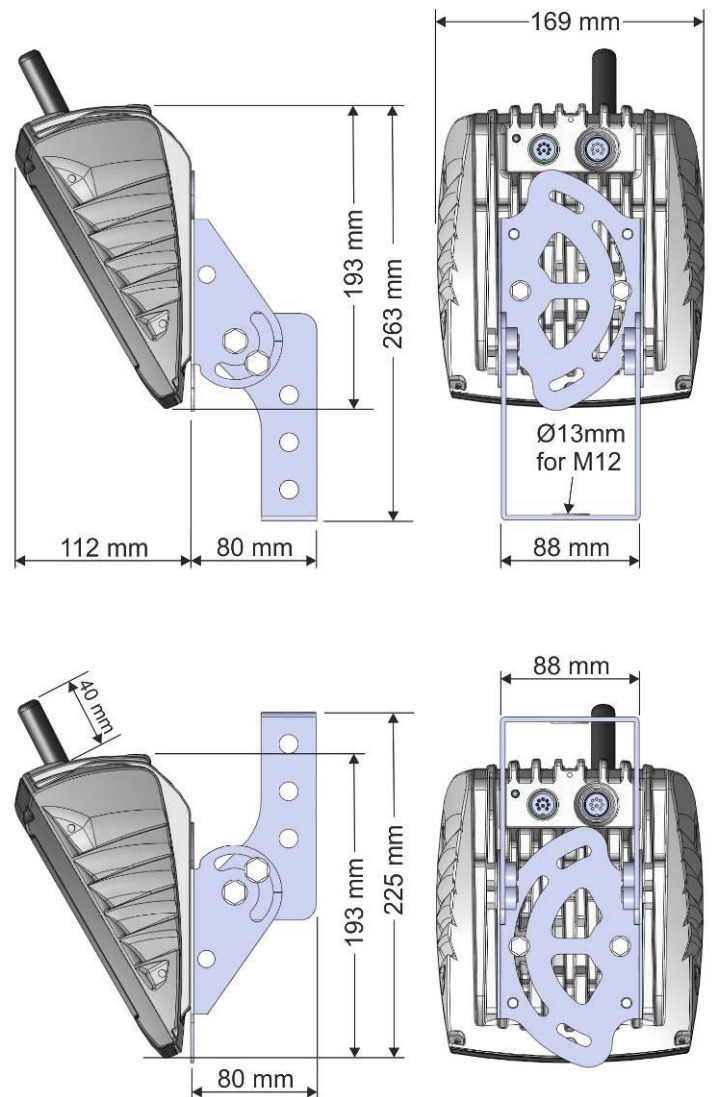
The mechanical enclosure consists of a die-cast aluminium enclosure sealed to an Ingress Protection (IP) rating of IP67. Key heat-generating internal components are thermally linked to the enclosure, which is externally finned on the rear and sides to help dissipate heat. The Floodlight assembly sits behind a black IR-transmissive window.

The Floodlight consists of an array of high power infra-red (IR) 850nm LEDs, which are pulsed synchronously with the camera to provide discrete "black light" for night time illumination of vehicles.



Specification

Dimensions	Excluding bracket: Height: 193mm, Width: 169mm, Length: 112mm
Weight	2.9kg (excluding mounting bracket)
Power	48VDC nominal, 23W typical consumption
Ingress protection	IP67
Operating temperature	-10°C to +60°C (80% humidity above +20 °C)
Storage temperature	-25°C to +70°C (low humidity)
Optics	"Black" IR-permissive front window
Illumination	IR illumination from 50 individually lensed 850nm LEDs



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