

IR Headlight D2



Characteristics:

- IR Illuminator 940 nm
- Optical output up to 21 W (dimnable)
- Power supply: External 12 (24) VDC
- Option with laser for long range beam
- Front glass with protective daylight and IR filter
- Aluminium housing, powder coated green RAL 6031 (matt)
- Protective cover
- Water tight IP 67
- Mounting assembly available on request

Description

The IR headlight is suitable for retrofit on all kind of vehicle. The selected wavelength is not detectable for most NVG. The driver uses an IR camera. The protective filter reduces the signature of the remaining light (red glow) from the IR LED to avoid detection from a distance in excess of 20 Meters. The luminance is suitable for off road driving.

Technical data

Light source	Nominal wavelength ⁽¹⁾	Optical output	Beam shape	
IR LED	940 nm	7 x 3W	Round illuminators arranged to illuminate the driving lane	
(Option) Laser	940 nm	30 mW	Oval illuminator	Laser class * EN60825-1:2007 1 to 3B
Power supply	Voltage	Tolerance	Current consumption	Connector
External DC-supply (stabilised)	12 (24) V	+/-20%	<2.5A @ 12V <1.2A @ 24V	VG plug, 6-pin ⁽²⁾

Unless indicated, the values are correct at ambient room temperature and under normal use. ⁽¹⁾ Other wavelengths on request.

⁽²⁾ Alternate connectors by mutual agreement.

*** Warning:** Laser can cause severe eye damage. The user is responsible for the observation of the applicable safety regulations. We decline all liability whatsoever due to improper use of the equipment.

Dimensions

width	height	height with protective cover open	depth	weight
190 mm	110 mm	190 mm	50 mm	~2000 grams