



IR HEADLIGHT D2

DESCRIPTION

The IR Headlight is suitable for retrofitting vehicles of all kinds or for the illumination of wide land. The selected wavelength (850 nm) makes the light invisible to the eye. Four light-emitting diodes generate a wide illumination as a group. Three others serve as a high beam group. Both lighting groups can be operated individually or together. The residual light (reddish glow) is reduced to a minimum by a special protective filter.



CHARACTERISTICS

- IR Illuminator 850 nm
- Optical output up to 21 W (dimnable in 4 steps)
- Individually controlled low and high beam
- Power supply: external 12 (24)VDC
- Option with laser for long range spot
- Option with additional sideways LED
- Front glass with protective IR filter
- Aluminium housing, green anodised or powder coated green RAL6031 (matt)
- Hinged protective cover
- Water tight IP67



TECHNICAL DATA				
Light source	Wavelength nominal¹⁾	Optical output	Beam shape	Laser class
IR LED lights	850 nm	7 x 3 mW	Round illuminators arranged to illuminate the driving lane	
(Option) IR LED sidelights	850 nm	4 x 60 mW	2 units each to illuminate the near area immediately to the side of the vehicle front	
(Option) Laser	850 nm	30 mW	Oval illuminator	3B to EN60825-1:2007
Power supply	Voltage	Tolerance	Current consumption	Connector
External DC-supply (stabilisiert)	12 (24) V	±20%	~5 A @ 12 V ~2.5 A @ 24 V	VG plug, 6-pin ²⁾
Dimensions				
Housing width	Housing height	Housing height with protective cover open	Housing depth	Weight
200 mm	110 mm	200 mm	70 mm	~2500 g

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



Laser beams can cause damage to your eyes.
The user is responsible to observe the local safety regulations.

Mistakes and technical changes reserved.

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