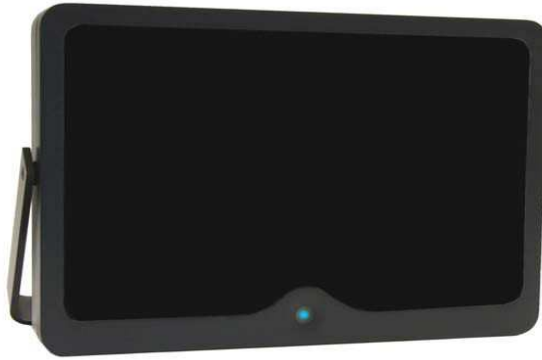


INFRACOM IRad

High-power radiator for infrared language transmission

Article no.: 06.6230



Description

The IRad radiator belongs to the latest generation of high-performance radiators for the wireless INFRACOM language transmission system. Within this language transmission system, the infrared radiator has the task of converting an electrical signal supplied by an infrared transmitter into invisible infrared light and radiating it into the room. The signal to be transmitted from the control transmitter can comprise up to 32 channels in band II or band IV.

For aligning and/or setting up without a tripod, a set-up and holding bracket is used. It has a 3/8" female thread for mounting on a tripod.

The radiator is cooled exclusively by convection, i. e. no fan noise disturbs operation of the radiator. The position of the radiator is irrelevant; it can also be operated vertically downwards or directed towards the ceiling.

The spotlight has two operating modes - half and full power. These are controlled via a switch. A multi-color LED indicates the current operating status.

Properties

- Temperature monitoring and protection circuit
- Carrier frequency range: 40kHz to 4Mhz (Band II / Band IV)
- Number of emitting diodes: 336
- Radiation angle of the emitting diodes: 30°.
- Average IR power: 20W
- Switchable internal 50 Ohm terminating resistor

Connections

- Mains connection with ESD protection
- Built-in power socket for connecting additional spotlights
- 2 BNC connections (50 Ohm) for signal feed or forwarding

Temperature range

- Operating temperature: +10° to +40
- Storage temperature: -20° to +50
- Humidity: <80%, non-condensing
- Passive convection cooling

Power supply unit

- Mains voltage: 100-240 V, 50-60 Hz
- Half power: 25 W
- Full power: 50 W

Housing

- Plastic, anthracite
- Metal retaining bracket and heat sink
- W x H x D: (420 x 282 x 50) mm
- Weight: approx. 5 kg

System requirements

System components

- ICen IV Infrared transmitter
Article no.: 06.4600
- IRX Infrared receiver
Article no.: 06.5801
- DOL7 Interpreter desk
04.2541.07
- Connection cable BNC 50 Ohm, various lengths
- SV/BNC IR signal distributor
Article no.: 06.6210