

THORN

Band

Superb uniform broad band illumination with LED technology



Developments in LED technology, and Thorn's own advances, have produced Band, an innovative linear fitting combining the best of lighting design performance and optimised light output

Band is a new linear fitting for ground recessed guidance lighting and façade applications. With its unique optical reflector system and range of colour options, Band utilises the latest LED technology to provide superb uniform broad band illumination, with no flame effect and exceptionally low energy consumption.

Why LED?

The character of LED technology is quite unique, enabling it to achieve levels of performance and functionality unobtainable with alternative lighting methods.

"Band: a miniature one dimensional row of LEDs emitting a razor sharp light, ideal for illuminating walls." Patrick Rimoux

- Compact size – design flexibility
- Long operating life
- Maintenance cost saving
- High efficiency
- Low wattage
- Low voltage
- Cold beam, no UV, instant light
- High optical performance, beam control
- Choice of colours
- Dynamic colour change
- Dimming





Band

Superb uniform broad band illumination



Designer: Patrick Rimoux

- Innovative unique optical reflector system to give high output and uniformity
- Slim linear style
- Weatherproofed to IP67
- Choice of colour light output
- Additional choice of 'RGB' colour change technology
- Dedicated wall mounting brackets offer angular adjustment for façade lighting
- Dedicated ground recessing housing available for guidance lighting applications
- Toughened glass enclosure

Adjustments on site have to be defined with high precision to ensure the light distribution is linear.

Band RGB versions supplied without RGB control system. These versions can be controlled with an RGB sequencer, eventually completed with an RGB booster.

Lamps

☒ LED (prefixed PCB with 10 LED's)

Materials/Finish

Body/Frame: extruded aluminium textured grey powder coated finish (close to RAL 9007). Other powder coated RAL colours available on request.

Reflector: bandoxal aluminium.
End caps: aluminium (wall versions) or injected aluminium (recessed versions).

Glass: tempered glass 6mm.
Gasket: silicone.

Brackets: galvanized steel, finished in textured grey powder coated (close to RAL 9007).

Recessed housing (for ground versions): stainless steel.

Installation/Mounting

Suitable for wall, recessed ground or recessed ceiling. 86m maximum distance between the floodlight and its transformer. Supplied with a pre-wired 200mm length cable (2 x 1.0mm²) connected to an IP67 rated transformer.

Wall surface installation: product supplied with 2 versatile brackets which slide along the length of the body and fix the floodlight on to the wall with 2 M4 screws. Possible adjustment of the distance between floodlight and wall. Transformer fixed with a support and 2 M4 screws, either beneath, on the side or back of the floodlight.

Recessed ground installation: the transformer can be installed in the recessed housing kit supplied with the floodlight.
Recessed ceiling installation: same as for ground but without recessed housing. Maximum depth 16mm and minimum depth 5mm. 1 glanded cable entry PG9 with terminal block for 2 x 1.5mm² max for outside diameter 5.5-9mm circular section cable. Through wiring possible. Static load bearing: 500kg.

Standards

Designed and manufactured to comply with EN60598

☒ Class II Electrical
Ta -20/+40°C
5 Nm impact resistance
♦ IP67 CE

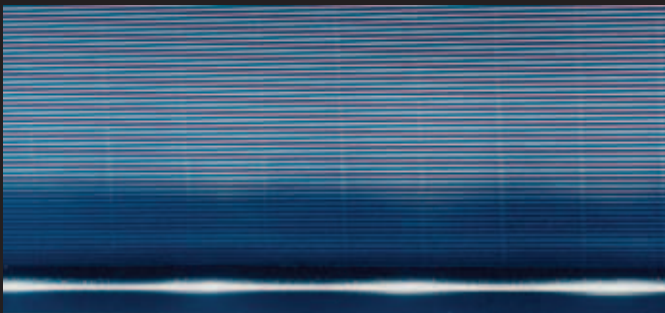
Specification

To specify state:
Linear design outdoor application, wall surface or ground/ceiling recessed installation LED luminaire, sealed to IP67. With a choice of colour or RGB employing LED light source, supplied with external transformer installed 86m maximum distance from the floodlight.
As Thorn Band.

Applications

Band has been designed to produce a wide range of stunning effects for building surrounds and façade applications





Copyright: Patrick Rimoux

Applications

- Wallwash – illumination
- Ground recessed – illumination or guidance, signalling
- Wall recessed – guidance, signalling
- Surface installation – illumination

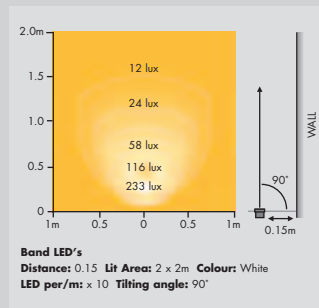
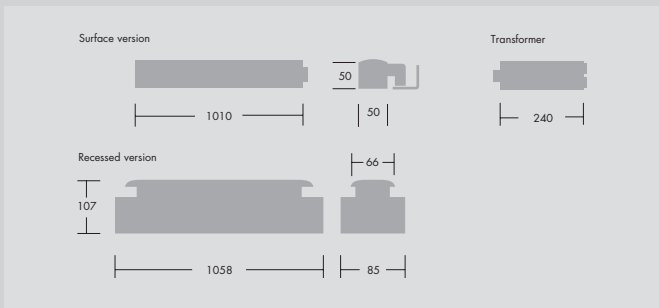
Colours

Band is available with the following colour options:

- White
- Blue
- Red
- Yellow
- Green

In addition, dramatic colour changes can be achieved with Band RGB. These versions can be controlled with an RGB sequencer, eventually completed with an RGB booster. RGB sequencer and booster to be ordered separately.

Ordering Guide, Photometrics & Dimensions



Ordering Guide

Description	Weight (kg)	SAP Code
Surface Version		
BAND MWA WHI 1M	2.5	96200712
BAND MWA BLU 1M	2.5	96200713
BAND MWA RED 1M	2.5	96200714
BAND MWA YEL 1M	2.5	96200715
BAND MWA GRN 1M	2.5	96200716
BAND MWA RGB 1M	5.1	96220059
Recessed Version		
BAND MRE WHI 1M	5.1	96200717
BAND MRE BLU 1M	5.1	96200718
BAND MRE RED 1M	5.1	96200719
BAND MRE YEL 1M	5.1	96200720
BAND MRE GRN 1M	5.1	96200721
BAND MRE RGB 1M	5.1	96220061
Drivers		
BAND/PLANE RGB SEQUENCER	1	96200722
BAND/PLANE RGB BOOSTER	1	96200723

WHI - white, BLU - blue, RED - red, YEL - yellow, GRN - green, RGB - red, green and blue

All standard codes shown in this brochure concern products whose transformer is installed on the right of the floodlight. Owing to asymmetrical distribution, this fitting can only be installed in one way: the reflector is directed towards the wall and the transformer is on the right of the product.

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