# G3 MRI

## Non-ferrous circular downlight for use in MRI rooms



Highlighting Thorlux Lighting's commitment to tailoring products exactly to the needs of customers, the G3 MRI is a non-ferrous recessed downlighter designed for use in magnetic resonance imaging (MRI) rooms.

G3 MRI features a remote gearbox and a non-ferrous downlighter head designed specifically to meet the requirements of MRI rooms. A non-maintained emergency version is also available.

Applications: MRI rooms.

- Non-ferrous construction, designed for use in MRI rooms
- Two output circuits per DALI gearbox where each circuit can power a minimum of 5 downlighter heads, up to a maximum of 8
- Downlighter wiring configured for low EMI when used with EMI filters (supplied by others)
- Emergency status indicator LED can be remotely mounted outside of the room
- DALI dimmable control gear as standard. Can be used with push to make retractive switch for dimming and switching

IP20 | 133.3 LL/CW | SMARTSCAN | LUXGUARD

## Specification

| | |
|---|---|
| IP rating | **IP20** |

## Lighting

| | | | |
|---|---|---|---|
| Lumen output | **1,600 lm** | Efficacy | **133.3 LL/CW** |

## Emergency data

| | | | |
|---|---|---|---|
| Emergency lumen output | **800 lm** | Emergency type | **Non-maintained** |
| Emergency duration | **3 hours** | Battery specification | **Nickel Metal Hydride (NiMH)** |

## Power

| | | | |
|---|---|---|---|
| LED power | **6 W - 11 W** | Circuit power | **12 W** |

# G3 MRI

## Construction

| | | | |
|---|---|---|---|
| Housing | **Non-ferrous construction with high pressure die-cast aluminium ring** | Finish | **Full polyester powder coat** |
| Body colour | **Green**<br>**Satin white (RAL9016)** | Optical assembly | **Injection moulded reflector** |
| Reflector colour | **White reflector** | | |

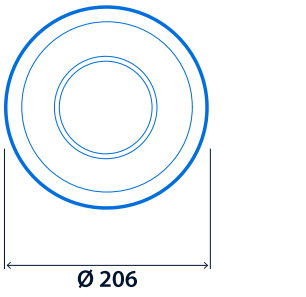
## LED characteristics

| | | | |
|---|---|---|---|
| CRI | **80+** | Colour temperature | **4000 K** |
| Rated life (hours) | **100 K - L90/B10** | LED protection | **LUX Guard** |
| Driver efficiency | **>92%** | Replaceable light source | **Yes** |
| Power factor | **>0.9** | MacAdam ellipse | **3 Step** |
| Flicker metric | **IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4** | | |

## Compliance

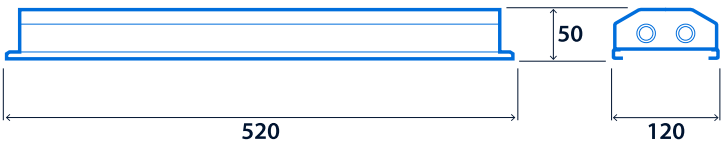
| | | | |
|---|---|---|---|
| UKCA | **Yes** | CE | **Yes** |

## Dimensions

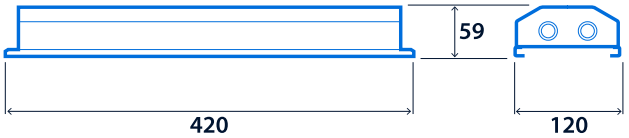



**Cut-out - Ø 180**
**Minimum void depth - 110**

### LED Downlighter Power Unit



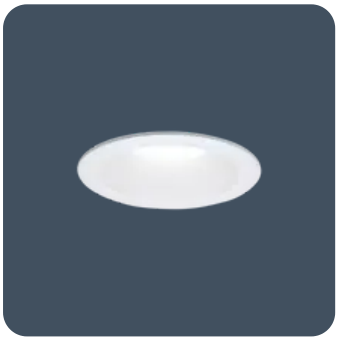

### Emergency LED Downlighter Power Unit

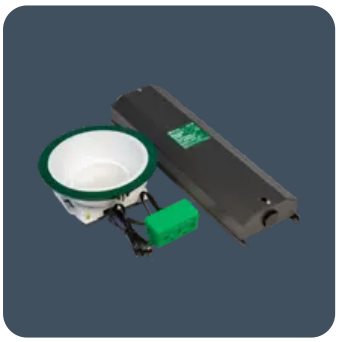


## Range

| Product version | LED power | Emergency system (optional) | CAT. No. | Lighting control system |
|---|---|---|---|---|
| Downlighter head | 11 W | - | **GT20080** | - |
| DALI gearbox | - | - | **GT20081** | **AF** |
| Emergency kit (Non-maintained downlighter and gearbox) | 6 W | **W / E** | **GT20082ZF** | - |

**Emergency system** - prefix catalogue number with **W** SmartScan Emergency / **E** Standard Emergency
**Lighting control system** - suffix catalogue number with **AF** Dimming (DALI)
E.g. **GT20081AF** = DALI gearbox / Dimming (DALI)



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Information is correct as of 17-Nov-2026, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.