

LIFESAFE PRO DOWNLIGHT RA R EM3 NM DA  
0038800



Features

• LiFeSafe PRO Downlight RA R EM3 NM DA is a miniature DALI addressable emergency recessed downlight with interchangeable optics for open area and escape route illumination. Non-maintained self-test 3Hr emergency duration with LiFePO4 rechargeable battery. Quick and easy installation with driver module and battery pack contained in articulated case that can pass through 44-50mm cut-out. Suitable for ceiling thickness 5-15mm. 225lm (open area) / 200lm (corridor), 3.5W, IK03, IP20. Class II electrical construction. 6-year warranty

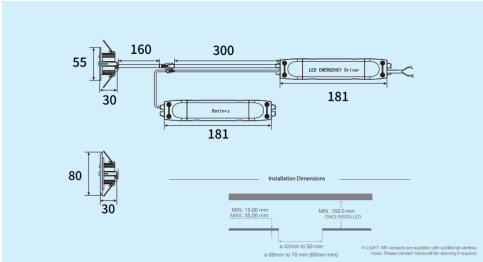
Product Overview

|                                   |   |
|-----------------------------------|---|
| Product name                      | LIFESAFE PRO DOWNLIGHT RA R EM3 NM DA                                     |
| Technology                        | LED   |
| Cap/Base                          | N/A   |
| Housing                           | PC Polycarbonate  |
| Mount                             | Ceiling recessed mounting   |
| Light source included             | 0038800   |
| General application               | Education, Hospitality, Logistics & Industry, Museums & Galleries, Office |
| ETIM Class                        | EC001957  |
| Fixture luminous flux (lm)        | 225   |
| Luminaire efficacy (lm/W)         | 64  |
| Correlated colour temperature (k) | 5000  |
| CRI (Ra)                          | 70  |
| Photobiological Risk Group        | RG2   |
| Luminous flux (emergency) (lm)    | 225   |
| Luminous flux (emergency) (lm)    | 225   |
| Electrical protection             | Class II  |
| Control gear type                 | LED driver constant current   |

LIFESAFE PRO DOWNLIGHT RA R EM3 NM DA  
0038800

|                    |               |
|--------------------|---------------|
| Housing colour     | White         |
| IP rating          | IP20          |
| IK rating          | IK03          |
| Product EAN number | 5410288388007 |
| Warranty           | 6 years       |

Technical drawings



Data table

GENERAL DATA

|                                  |   |
|----------------------------------|---|
| Product name                     | LIFESAFE PRO DOWNLIGHT RA R EM3 NM DA                                     |
| Technology                       | LED   |
| Cap/Base                         | N/A   |
| Housing                          | PC Polycarbonate  |
| Mount                            | Ceiling recessed mounting   |
| General application              | Education, Hospitality, Logistics & Industry, Museums & Galleries, Office |
| Operating temperature range (°C) | 0°C...+45°C   |
| ETIM Class                       | EC001957  |
| Warranty                         | 6 years   |

OPTICAL DATA

|                                   |      |
|-----------------------------------|------|
| Fixture luminous flux (lm)        | 225  |
| Luminaire efficacy (lm/W)         | 64   |
| Correlated colour temperature (k) | 5000 |

## LIFESAFE PRO DOWNLIGHT RA R EM3 NM DA 0038800

|  |     |
|--|-----|
| CRI (Ra)                                     | 70  |
| Photobiological Risk Group                   | RG2 |
| Lumen maintenance at end of nominal life (%) | 70  |
| Luminous flux (emergency) (lm)               | 225 |
| Luminous flux (emergency) (lm)               | 225 |
| Emergency duration (h)                       | 3   |

### ELECTRICAL DATA

|   |                             |
|---|-----------------------------|
| Light source included   | 0038800                     |
| Current (A)   | 0.035                       |
| Primary Supply/Product voltage - min (V)                              | 220.0                       |
| Primary Supply/Product voltage - max (V)                              | 240.0                       |
| Lamp power factor   | 0.35                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x % | 84.2                        |
| Electrical protection   | Class II                    |
| Control gear required   | Yes                         |
| Control gear type   | LED driver constant current |
| Drive current (mA)  | 575                         |
| Inrush Current (A)  | 30                          |
| Inrush Duration ( $\mu$ s)  | 220                         |
| Nominal Frequency (Hz)  | 50/60Hz                     |
| Max. products per 10A C Breaker                                       | 209                         |
| Max. products per 13A C Breaker                                       | 271                         |
| Max. products per 16A C Breaker                                       | 334                         |
| Max. products per 20A C Breaker                                       | 418                         |
| Max. products per 10A B Breaker                                       | 313                         |
| Max. products per 13A B Breaker                                       | 271                         |
| Max. products per 16A B Breaker                                       | 334                         |
| Max. products per 20A B Breaker                                       | 418                         |
| Connectable conductor cross section - Min (mm <sup>2</sup> )          | 0.5                         |
| Connectable conductor cross section - Max (mm <sup>2</sup> )          | 0.75                        |



LIFESAFE PRO DOWNLIGHT RA R EM3 NM DA  
0038800

LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B10 | 680000 |
| Lifespan L90 B10 | 20000  |

PHYSICAL DATA

|                               |                  |
|-------------------------------|------------------|
| Housing colour                | White            |
| IP rating                     | IP20             |
| IK rating                     | IK03             |
| Diffuser finish               | Prismatic        |
| Diffuser material             | PC Polycarbonate |
| Nominal Product Length (mm)   | 267              |
| Nominal Product Height (mm)   | 30               |
| Nominal Product Diameter (mm) | 55               |
| Weight (kg)                   | 0.71             |
| Recessed Depth (mm)           | 30               |

PACKAGING

|                                       |               |
|---------------------------------------|---------------|
| Product EAN number                    | 5410288388007 |
| Packaging single length / height (cm) | 37.0          |
| Packaging single width (cm)           | 31.0          |
| Packaging single depth (cm)           | 19.0          |
| Units per outer package               | 1             |
| Packaging outer length / height (cm)  | 37.0          |
| Packaging outer width (cm)            | 31.0          |
| Packaging outer depth (cm)            | 19.0          |

SAFETY DATA

|                                     |     |
|-------------------------------------|-----|
| Glow Wire Test (°C)                 | 850 |
| Special purpose lamp                | No  |
| Dry applications use only           | No  |
| Suitable for household illumination | No  |