

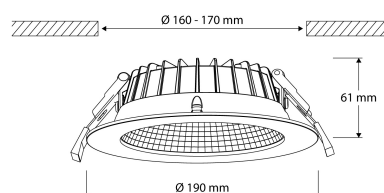
Pro-Fusion 160

# 40002930

EAN: 8720615509157

### A NEXT LEVEL DOWNLIGHT INNOVATION COMBINING PREMIUM FEATURES AND AN INDUSTRY-LEADING PERFORMANCE

Groundbreaking in performance, reliability and application possibilities. Pro-Fusion is an innovative solid state lighting solution designed to deliver illumination performance, unequalled in the market. Whether it concerns general lighting for a new construction project or the replacement of compact fluorescent downlights in existing buildings, the Pro-Fusion realizes lighting that is considerably more comfortable while substantially minimizing energy costs.



## PRODUCT FEATURES

|                                       |   |  |                        |
|---------------------------------------|---|--|------------------------|
| Suitable for surface mounting         | ✓                                       | Suitable for number of light sources                                       | 1                      |
| Suitable for built-in mounting        | ✓                                       | LED nominal current at constant current                                    | 200 350 Milliampere    |
| Suitable for wall mounting            | ✗                                       | Nominal voltage  | 220 240 Volt           |
| Suitable for wall mounting            | ✗                                       | Nominal current  | 200 350 Milliampere    |
| Suitable for suspended mounting       | ✗                                       | Total harmonic distortion  | 20                     |
| Suitable for ceiling mounting         | ✓                                       | Rated life time L70/B10 at 25 °C   | 164000 Hour            |
| Suitable for traverse mounting        | ✗                                       | Rated lifetime L70/B50 at 25 °C  | 180000 Hour            |
| Suitable for pedestal/floor mounting  | ✗                                       | Rated life time L80/B10 at 25 °C   | 91000 Hour             |
| Suitable for light-track mounting     | ✗                                       | Rated lifetime L80/B50 at 25 °C  | 104000 Hour            |
| Suitable for clamp-mounting           | ✗                                       | Lumen maintenance at median useful life of 35,000 h at 25 °C ambient (tq)  | 93 Percentage          |
| Suitable for low voltage cable system | ✗                                       | Lumen maintenance at median useful life of 50,000 h at 25 °C ambient (tq)  | 90 Percentage          |
| Adjustability                         | Not adjustable                          | Rated life time L90/B10 at 25 °C   | 50000 Hour             |
| With movement sensor                  | ✗                                       | Lumen maintenance at median useful life of 100,000 h at 25 °C ambient (tq) | 80 Percentage          |
| With light sensor                     | ✗                                       | Rated life time L90/B50 at 25 °C   | 53000 Hour             |
| Lamp type                             | LED not exchangeable                    | Failure rate at median useful life of 35,000 h at 25 °C ambient (tq)       | 0 Percentage           |
| With light source                     | ✓                                       | Failure rate at median useful life of 50,000 h at 25 °C ambient (tq)       | 0 Percentage           |
| Lamp holder                           | None                                    | Failure rate at median useful life of 100,000 h at 25 °C ambient (tq)      | 0 Percentage           |
| Housing material                      | Aluminium                               | Rated ambient temperature according to IEC 62722-2-1                       | -20 40 Degrees celsius |
| Surface protection                    | Powder coating                          | Suitable for lamp power  | 8 14 Watt              |
| Housing colour                        | White                                   | Max. system power  | 16 Watt                |
| Material cover                        | Plastic, transparent                    | Luminous flux  | 1154 2072 Lumen        |
| Surface brushed                       | ✗                                       | Rated luminous flux according to IEC 62722-2-1                             | 2072 Lumen             |
| Voltage type                          | AC                                      | Lamp efficacy  | 167 Lumen/Watt         |
| Type of control gear                  | LED operating device current-controlled | Colour temperature   | 3000 4000 Kelvin       |
| With control gear                     | ✓                                       | Built-in diameter  | 170 Millimetre         |

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| Dimming depending on control gear  | ✓                                | Power factor  | 0.9                        |
| Exchangeable control gear  | ✓                                | Flickering value Pst LM   | 0.009                      |
| Dimming 0-10 V   | ✗                                | Built-in height/depth   | 58 Millimetre              |
| Dimming 1-10 V   | ✗                                | Stroboscope effect value SVM                                      | 0.4                        |
| Dimming DALI-2   | ✗                                | Height/depth  | 61 Millimetre              |
| Dimming DALI   | ✗                                | Outer diameter  | 190 Millimetre             |
| Dimming DMX  | ✗                                | Built-in diameter   | 160 170 Millimetre         |
| Dimming DSI  | ✗                                | Number of poles   | 3                          |
| Dimming GPRS   | ✗                                | Conductor cross section   | 2.5 Square millimetre      |
| Dimming potentiometer (integrated)   | ✗                                | Connectable conductor cross section                               | 0.75 2.5 Square millimetre |
| Dimming LineSwitch   | ✗                                | Luminaire efficacy  | 167 Lumen/Watt             |
| Dimming manufacturer's proprietary system  | ✗                                | Max. number of luminaires per miniature circuit breaker B16 (MCB) | 27                         |
| Dimming mains voltage modulation   | ✗                                | Max. number of luminaires per miniature circuit breaker C16 (MCB) | 45                         |
| Dimming phase cut-off (trailing edge)  | ✗                                | Unified Glare Ratio (UGR)   | 19                         |
| Dimming phase cut-on (leading edge)  | ✗                                |   |                            |
| Dimming programmable   | ✗                                |   |                            |
| Dimming RF   | ✗                                |   |                            |
| Dimming Sine Wave Reduction  | ✗                                |   |                            |
| Dimming Touch and Dim  | ✗                                |   |                            |
| Dimming Zigbee   | ✗                                |   |                            |
| No dim function  | ✓                                |   |                            |
| Dimming with push-button   | ✗                                |   |                            |
| Reflector  | High-gloss                       |   |                            |
| Light distributor  | Diffuser lens/optic/panel        |   |                            |
| Light distribution   | Symmetric                        |   |                            |
| Reflector colour   | Other                            |   |                            |
| Beam angle   | 41-80° - Wide beam               |   |                            |
| Light outlet   | Direct                           |   |                            |
| Energy efficiency class  | A                                |   |                            |
| Energy efficiency class of the built-in lamp                                     | A                                |   |                            |
| Energy efficiency class of the light source according to EU regulation 2019/2015 | A                                |   |                            |
| Degree of protection (IP)  | IP54                             |   |                            |
| Constant light output (CLO)  | ✗                                |   |                            |
| Degree of protection (NEMA)  | 3R                               |   |                            |
| Impact strength  | IK07                             |   |                            |
| Protection class according to IEC 61140  | II                               |   |                            |
| Colour of light  | White                            |   |                            |
| Colour of light adjustable   | Positions                        |   |                            |
| Colour rendering index CRI   | 80-89                            |   |                            |
| Luminous flux adjustable   | Positions                        |   |                            |
| Beam angle adjustable  | No                               |   |                            |
| Type of wiring   | Suitable for loop-through wiring |   |                            |
| Emergency power supply integrated  | ✗                                |   |                            |
| Connection type  | Push-in clamp                    |   |                            |
| Luminaire with limited surface temperature, sign "D" according to EN 60598-2-24  | ✗                                |   |                            |
| Filament test according to IEC 60695-2-11  | 960 °C - 30 s                    |   |                            |
| Photobiological safety according to EN 62471                                     | RG1                              |   |                            |
| Suitable for workplace according to EN 12464-1                                   | ✓                                |   |                            |

LED Pro-Fusion

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|   |       |
|---|-------|
| Covering of the luminaire with thermally insulating material possible | ✗     |
| IFTTT support available   | ✗     |
| Colour consistency (McAdam ellipse)                                   | SDCM3 |
| Compatible with Apple HomeKit   | ✗     |
| Operation by Bluetooth  | ✗     |
| Compatible with Google Assistant                                      | ✗     |
| Compatible with Amazon Alexa  | ✗     |