

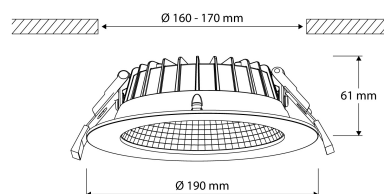
Pro-Fusion 160

# 40002931

EAN: 8720615509164

### 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	450 600 Milliampere
Suitable for wall mounting	✗	Nominal voltage	220 240 Volt
Suitable for wall mounting	✗	Nominal current	450 600 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	18 24 Watt
Housing colour	White	Max. system power	24 Watt
Material cover	Plastic, transparent	Luminous flux	2601 3527 Lumen
Surface brushed	✗	Rated luminous flux according to IEC 62722-2-1	3527 Lumen
Voltage type	AC	Lamp efficacy	164 Lumen/Watt
Type of control gear	LED operating device current-controlled	Colour temperature	3000 4000 Kelvin
With control gear	✓	Built-in diameter	1710 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	164 Lumen/Watt
Dimming manufacturer's proprietary system	✗	Max. number of luminaires per miniature circuit breaker B16 (MCB)	21
Dimming mains voltage modulation	✗	Max. number of luminaires per miniature circuit breaker C16 (MCB)	35
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	✗