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Pro-Fusion 160

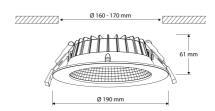
40002931

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, unequaled 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 built-in mounting ★ LED nominal current at constant current 450(600 Milliampere 20/240 Volt Suitable for wall mounting ★ Nominal voltage 220/240 Volt Suitable for suspended mounting ★ Nominal current 450(600 Milliampere 20/240 Volt Suitable for suspended mounting ★ Total harmonic distortion 20 Suitable for traverse mounting ★ Rated lifetime L70/B10 at 25 °C 164000 Hour Suitable for pedestal/floor mounting ★ Rated lifetime L80/B50 at 25 °C 91000 Hour Suitable for pedestal/floor mounting ★ Rated lifetime L80/B50 at 25 °C 91000 Hour Suitable for low roltage cable ystem ★ Rated lifetime L80/B50 at 25 °C 91000 Hour Suitable for low voltage cable system ★ Rated lifetime L80/B50 at 25 °C ambient (tq) 99 Percentage life of 50,000 h at 25 °C ambient (tq) 99 Percentage life of 50,000 h at 25 °C ambient (tq) 99 Percentage life of 50,000 h at 25 °C ambient (tq) 80 Percentage life of 50,000 h at 25 °C ambient (tq) 80 Percentage life of 50,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq)	Suitable for surface mounting	✓	Suitable for number of light sources	1
Suitable for wall mounting	Suitable for built-in mounting	✓	LED nominal current at constant current	450 600 Milliampere
Suitable for suspended mounting X Total harmonic distortion 20 Suitable for ceiling mounting ✓ Rated life time L TO/B10 at 25 °C 164000 Hour Suitable for pedestal/floor mounting X Rated life time L R0/B10 at 25 °C 180000 Hour Suitable for pedestal/floor mounting X Rated life time L 80/B10 at 25 °C 910000 Hour Suitable for light-track mounting X Rated life time L 80/B50 at 25 °C 104000 Hour Suitable for clamp-mounting X Lumen maintenance at median useful life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 80 Percentage life of 35,000 h at 25 °C ambient (tq) 80 Percentage life of 35,000 h at 25 °C ambient (tq) 80 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 35,000 h at 25 °C ambient (tq)	Suitable for wall mounting	×	Nominal voltage	220 240 Volt
Suitable for ceiling mounting ✓ Rated life time L70/B10 at 25 °C 164000 Hour Suitable for traverse mounting X Rated lifetime L70/B50 at 25 °C 180000 Hour Suitable for pedestal/floor mounting X Rated lifetime L80/B50 at 25 °C 91000 Hour Suitable for Ight-track mounting X Rated lifetime L80/B50 at 25 °C 104000 Hour Suitable for clamp-mounting X Lumen maintenance at median useful life of 35,000 h at 25 °C cambient (tq) 93 Percentage life of 35,000 h at 25 °C cambient (tq) Suitable for low voltage cable system X Lumen maintenance at median useful life of 50,000 h at 25 °C cambient (tq) 90 Percentage life of 50,000 h at 25 °C cambient (tq) With movement sensor X Lumen maintenance at median useful life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) With light sensor X Rated life time L90/B50 at 25 °C 53000 Hour Lamp type LED not exchangeable Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) 0 Percentage self-self-self-self-self-self-self-self-	Suitable for wall mounting	×	Nominal current	450 600 Milliampere
Suitable for traverse mounting X Rated lifetime L70/B50 at 25 °C 180000 Hour Suitable for pedestal/floor mounting X Rated lifetime L80/B50 at 25 °C 91000 Hour Suitable for light-track mounting X 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 X 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 ambient (tq) 50000 Hour With movement sensor X Lumen maintenance at median useful life of 50,000 h at 25 °C ambient (tq) 80 Percentage With light sensor X Rated life time L90/B50 at 25 °C ambient (tq) 50000 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 LED not exchangeable Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) 0 Percentage With light source None Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) 0 Percentage	Suitable for suspended mounting	×	Total harmonic distortion	20
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 55,000 h at 25 °C ambient (tq) 93 Percentage life of 55,000 h at 25 °C ambient (tq) Suitable for low voltage cable system ★ Lumen maintenance at median useful life of 50,000 h at 25 °C ambient (tq) 90 Percentage life of 50,000 h at 25 °C ambient (tq) Adjustability Not adjustable Rated life time L90/B10 at 25 °C 50000 Hour With light sensor ★ Lumen maintenance at median useful life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life at 100,000 h at 25 °C ambient (tq) 90 Percentage life at 100,000 h at 25 °C ambient (tq) 90 Percentage life at 100,000 h at 25 °C ambient (tq) 90 Percentage life at 100,000 h at 25 °C ambient (tq) 90 Percentage life at 100,000 h at 25 °C ambient (tq) 90 Percentage life at 100,000	Suitable for ceiling mounting	✓	Rated life time L70/B10 at 25 °C	164000 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 life of 50,000 h at 25 °C ambient (tq) 90 Percentage life of 50,000 h at 25 °C ambient (tq) 90 Percentage life of 50,000 h at 25 °C ambient (tq) 90 Percentage life of 50,000 h at 25 °C ambient (tq) 80 Percentage life of 50,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 80 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90 Percentage life of 100,000 h at 25 °C ambient (tq) 90	Suitable for traverse mounting	×	Rated lifetime L70/B50 at 25 °C	180000 Hour
Suitable for clamp-mounting x Lumen maintenance at median useful life of 35,000 h at 25 °C ambient (tq) 93 Percentage Suitable for low voltage cable system x 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 x Lumen maintenance at median useful life of 100,000 h at 25 °C ambient (tq) 80 Percentage With light sensor x 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 Lamp holder None 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 50,000 h at 25 °C ambient (tq) 0 Percentage Lump holder Aluminium Rated ambient temperature according to 10 Percentage 0 Percentage Bouriage protection Powder coating Suitable for lamp power 18/24 Watt Housing colour White Max. system power 24 Watt Material cover Plastic, transparent Luminous flux according to IEC 6272	Suitable for pedestal/floor mounting	×	Rated life time L80/B10 at 25 °C	91000 Hour
Suitable for low voltage cable system ★ life of 35,000 h at 25 °C ambient (tq) 90 Percentage life of 50,000 h at 25 °C ambient (tq) Adjustability Not adjustable Rated life time 190/B10 at 25 °C ambient (tq) 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 190/B10 at 25 °C ambient (tq) 53000 Hour Lamp type LED not exchangeable Rated life time 190/B50 at 25 °C 53000 Hour Lamp type LED not exchangeable Failure rate at median useful life of 50,000 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 50,000 h at 25 °C ambient (tq) 0 Percentage Lamp holder None Rated ambient temperature according to 100,000 h at 25 °C ambient (tq) 0 Percentage Housing material Aluminum Rated ambient temperature according to 100,000 h at 25 °C ambient (tq) 10 Percentage Surface protection Powder coating Suitable for lamp power 18/24 Watt Housing colour White Max. system power 2	Suitable for light-track mounting	×	Rated lifetime L80/B50 at 25 °C	104000 Hour
Mile of 50,000 h at 25 °C ambient (tq)	Suitable for clamp-mounting	×		93 Percentage
With movement sensor Lumen maintenance at median useful life of 100,000 h at 25 °C ambient (tq)	Suitable for low voltage cable system	×		90 Percentage
With light sensor X life of 100,000 h at 25 °C ambient (tq) 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	Adjustability	Not adjustable	Rated life time L90/B10 at 25 °C	50000 Hour
Lamp type LED not exchangeable Sailure rate at median useful life of 35,000 h at 25 °C ambient (tq) Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Failure rate at median usefu	With movement sensor	×		80 Percentage
With light source Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) Lamp holder None Failure rate at median useful life of 50,000 h at 25 °C ambient (tq) Poercentage None Failure rate at median useful life of 100,000 h at 25 °C ambient (tq) Aluminium Rated ambient temperature according to IEC 62722-2-1 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 Voltage type AC Lamp efficacy 164 Lumen/Watt Type of control gear LED operating device current-controlled Colour temperature 3000 4000 Kelvin	With light sensor	×	Rated life time L90/B50 at 25 °C	53000 Hour
Lamp holderNone50,000 h at 25 °C ambient (tq)Lamp holderNoneFailure rate at median useful life of 100,000 h at 25 °C ambient (tq)0 PercentageHousing materialAluminiumRated ambient temperature according to IEC 62722-2-1-20 40 Degrees celsius IEC 62722-2-1Surface protectionPowder coatingSuitable for lamp power18 24 WattHousing colourWhiteMax. system power24 WattMaterial coverPlastic, transparentLuminous flux2601 3527 LumenSurface brushedRated luminous flux according to IEC 62722-2-13527 LumenVoltage typeACLamp efficacy164 Lumen/WattType of control gearLED operating device current-controlledColour temperature3000 4000 Kelvin	Lamp type	LED not exchangeable		0 Percentage
Housing material Aluminium Rated ambient temperature according to IEC 62722-2-1 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 Voltage type AC Lamp efficacy 164 Lumen/Watt Type of control gear LED operating device current-controlled Colour temperature Colour temperature according to Icq 18 24 Watt 24 Watt 2601 3527 Lumen 2527 Lu	With light source	✓		0 Percentage
IEC 62722-2-1 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	Lamp holder	None		0 Percentage
Housing colour White Max. system power 24 Watt Material cover Plastic, transparent Luminous flux according to IEC Surface brushed Rated luminous flux according to IEC 62722-2-1 Voltage type AC Lamp efficacy 164 Lumen/Watt Type of control gear LED operating device current-controlled Colour temperature 3000 4000 Kelvin	Housing material	Aluminium		-20 40 Degrees celsius
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	Surface protection	Powder coating	Suitable for lamp power	18 24 Watt
Surface brushed Rated luminous flux according to IEC 62722-2-1 Voltage type AC Lamp efficacy 164 Lumen/Watt Type of control gear LED operating device current-controlled Colour temperature 3000 4000 Kelvin	Housing colour	White	Max. system power	24 Watt
X 62722-2-1 Voltage type AC Lamp efficacy 164 Lumen/Watt Type of control gear LED operating device current-controlled Colour temperature 3000 4000 Kelvin	Material cover	Plastic, transparent	Luminous flux	2601 3527 Lumen
Type of control gear LED operating device current-controlled Colour temperature 3000 4000 Kelvin	Surface brushed	×		3527 Lumen
	Voltage type	AC	Lamp efficacy	164 Lumen/Watt
With control gear ✓ Built-in diameter 1710 Millimetre	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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PRODUCT FEATURES

(continuation)

Dimming depending on control gear	✓	Power factor
Exchangeable control gear	✓	Flickering value Pst LM
Dimming 0-10 V	×	Built-in height/depth
Dimming 1-10 V	×	Stroboscope effect value SVM
Dimming DALI-2	×	Height/depth
Dimming DALI	×	Outer diameter
Dimming DMX	×	Built-in diameter
Dimming DSI	×	Number of poles
Dimming GPRS	×	Conductor cross section
Dimming potentiometer (integrated)	×	Connectable conductor cross section
Dimming LineSwitch	×	Luminaire efficacy
Dimming manufacturer's proprietary		Max. number of luminaires per miniature
system	×	circuit breaker B16 (MCB)
Dimming mains voltage modulation	•	Max. number of luminaires per miniature
Discouries above suit off (toollies and an)	×	circuit breaker C16 (MCB)
Dimming phase cut-off (trailing edge)	×	Unified Glare Ratio (UGR)
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-	960 °C - 30 s	
Photobiological safety according to EN 62471	RG1	
Suitable for workplace according to EN	<i>A</i>	

12464-1

0.9

0.4 61 Millimetre

58 Millimetre

190 Millimetre

2.5 Square millimetre 0.75|2.5 Square millimetre

164 Lumen/Watt

160|170 Millimetre

3

35

19

0.009



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Pro-Fusion 160

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PRODUCT FEATURES

(continuation)

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×
SDCM3
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