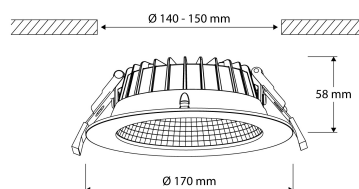# PROLUMIA®

LED Pro-Fusion

Pro-Fusion 140

40002920
EAN: 8720615509140

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

Feature	Value		Feature	Value	Unit
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	1108|1986	Lumen
Surface brushed	✖		Rated luminous flux according to IEC 62722-2-1	1986	Lumen
Voltage type	AC		Lamp efficacy	159	Lumen/Watt
Type of control gear	LED operating device current-controlled		Colour temperature	3000|4000	Kelvin
With control gear	✔		Built-in diameter	150	Millimetre

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(continuation)

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	55 Millimetre
Dimming 1-10 V	✖	Stroboscope effect value SVM	0.4
Dimming DALI-2	✖	Height/depth	58 Millimetre
Dimming DALI	✖	Outer diameter	170 Millimetre
Dimming DMX	✖	Built-in diameter	140|150 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	159 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	✔		

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(continuation)

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	✖