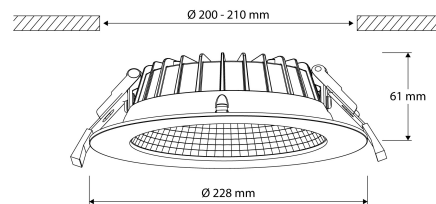# PROLUMIA®

LED Pro-Fusion

Pro-Fusion 200

\# 40002941
EAN: 8720615509188

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.

Ø 200 - 210 mm
61 mm
Ø 228 mm

PRODUCT FEATURES

Feature	Value	Feature	Value	Unit
Suitable for surface mounting	✔	Suitable for number of light sources	1	
Suitable for built-in mounting	✔	Nominal voltage	220|240	Volt
Suitable for wall mounting	✖	LED nominal current at constant current	450|600	Milliampere
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/B50 at 25 °C	180000	Hour
Suitable for traverse mounting	✖	Lumen maintenance at median useful life of 35,000 h at 25 °C ambient (tq)	93	Percentage
Suitable for pedestal/floor mounting	✖	Rated life time L70/B10 at 25 °C	164000	Hour
Suitable for light-track mounting	✖	Lumen maintenance at median useful life of 50,000 h at 25 °C ambient (tq)	90	Percentage
Suitable for clamp-mounting	✖	Rated life time L80/B10 at 25 °C	91000	Hour
Suitable for low voltage cable system	✖	Lumen maintenance at median useful life of 100,000 h at 25 °C ambient (tq)	80	Percentage
Adjustability	Not adjustable	Failure rate at median useful life of 35,000 h at 25 °C ambient (tq)	0	Percentage
With movement sensor	✖	Rated life time L80/B50 at 25 °C	104000	Hour
With light sensor	✖	Failure rate at median useful life of 50,000 h at 25 °C ambient (tq)	0	Percentage
Lamp type	LED not exchangeable	Rated life time L90/B10 at 25 °C	50000	Hour
With light source	✔	Failure rate at median useful life of 100,000 h at 25 °C ambient (tq)	0	Percentage
Lamp holder	None	Rated life time L90/B50 at 25 °C	53000	Hour
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	Colour temperature	3000|4000	Kelvin
Surface brushed	✖	Luminous flux	2660|3666	Lumen
Voltage type	AC	Rated luminous flux according to IEC 62722-2-1	3666	Lumen
Type of control gear	LED operating device current-controlled	Lamp efficacy	166	Lumen/Watt
With control gear	✔	Power factor	0.9	

PROLUMIA®

LED Pro-Fusion

Pro-Fusion 200

40002941
EAN: 8720615509188

PRODUCT FEATURES
(continuation)

Dimming depending on control gear	✔	Flickering value Pst LM	0.009
Exchangeable control gear	✔	Stroboscope effect value SVM	0.4
Dimming 0-10 V	✖	Height/depth	61 Millimetre
Dimming 1-10 V	✖	Outer diameter	228 Millimetre
Dimming DALI-2	✖	Built-in diameter	210 Millimetre
Dimming DALI	✖	Built-in height/depth	58 Millimetre
Dimming DMX	✖	Built-in diameter	200|210 Millimetre
Dimming DSI	✖	Number of poles	3
Dimming potentiometer (integrated)	✖	Conductor cross section	2.5 Square millimetre
Dimming GPRS	✖	Connectable conductor cross section	0.75|2.5 Square millimetre
Dimming LineSwitch	✖	Max. number of luminaires per miniature circuit breaker B16 (MCB)	21
Dimming manufacturer's proprietary system	✖	Max. number of luminaires per miniature circuit breaker C16 (MCB)	35
Dimming mains voltage modulation	✖	Luminaire efficacy	166 Lumen/Watt
Dimming phase cut-off	✖	Unified Glare Ratio (UGR)	19
Dimming phase cut-on	✖		
Dimming programmable	✖		
Dimming RF	✖		
Dimming Sine Wave Reduction	✖		
Dimming Touch and Dim	✖		
Dimming Zigbee	✖		
Dimming with push-button	✖		
No dim function	✔		
Reflector	High-gloss		
Light distributor	Diffuser lens/optic/panel		
Light sharing	Symmetric		
Reflector colour	Other		
Beam angle	Wide beam 41-80°		
Light outlet	Direct		
Energy efficiency class	A		
Energy efficiency class of the light source according to EU regulation 2019/2015	A		
Energy efficiency class of the built-in lamp	A		
Constant light output (CLO)	✖		
Degree of protection (IP)	IP54		
Degree of protection (NEMA)	3R		
Impact strength	IK07		
Protection class	II		
Colour of light	White		
Colour rendering index CRI	80-89		
Colour of light adjustable	Positions		
Luminous flux adjustable	Positions		
Beam angle adjustable	No		
Type of wiring	Suitable for through wiring		
Connection type	Push-in clamp		
Luminaire with limited surface temperature, sign "D" according to EN 60598-2-24	✖		
Emergency power supply integrated	✖		
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	✔		

PROLUMIA®

LED Pro-Fusion

Pro-Fusion 200

\# 40002941
EAN: 8720615509188

PRODUCT FEATURES
(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	✖