

PROLUMIA®

PRO-FUSION DOWNLIGHT SERIES

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

GROUNDBREAKING
PERFORMANCE
AND RELIABILITY



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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 reducing energy costs.

IP54 RECESSED AND SURFACE MOUNTED DOWNLIGHTS

LUMINAIRE LUMINOUS EFFICACY OF UP TO 170 LM/W

RATED MEDIAN USEFUL LIFE: L90 >50,000 H, L80 >100,000 H

SLIDE SWITCH ADJUSTABLE CCT: 3000, 3500 OR 4000 K

MULTIPLE CURRENT DRIVERS ENABLING 4 LUMINOUS FLUX LEVELS

HIGH OUTPUT & UGR <19 VERSIONS AVAILABLE

SPECIFICATIONS

LED-module: SMD2835

Beam angle: 60°

Adjustable CCT (slide switch): 3000, 3500 or 4000 K

Adjustable lumen output (DIP-switch): 4 levels

IP-rating: IP44 above ceiling, IP54 below ceiling

Luminous efficacy: 135 up to 170 lm/W

Lumen packages: See data table

Unified glare rating: See data table

Median useful life: L90 >50,000 h, L80 >100,000 h

AC Input: 220-240V AC 50/60Hz

Operating temperature: -20°C – +40°C

Electrical safety class: Class II

Power supply options: Non-dimmable LED-driver, Dimmable LED-driver (DALI 2, Switch-Dim, 0-10V, 1-10V, Push and PWM)

APPLICATIONS

OFFICES, EDUCATION, RETAIL, HOSPITALITY,
RESIDENTIAL BUILDINGS, ETC.



DIFFERENT VERSIONS AND OPTIONS AVAILABLE:

VARIOUS CUTOUT SIZES: 120, 140, 160 AND 200 MM / PIR-SENSOR VERSION / DIMMABLE VERSION: DALI 2, SWITCH-DIM, 0-10V, 1-10V, PUSH AND PWM / RETROFIT ADAPTER / SURFACE MOUNT ENCLOSURES / EMERGENCY KIT





Pro-Fusion 120



Pro-Fusion 140



Pro-Fusion 160



PRO-FUSION DOWNLIGHT SERIES

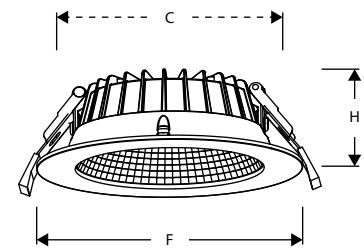
Configurable light colour and luminous flux

PIR-sensor version available

Also available in a dimmable version

Item no.	Description	Height (mm)	Front (mm)	Cutout size (mm)	Current (mA)	Power* (W)	Output* (lm)	Efficacy (lm/W)	UGR
40002910	Pro-Fusion 120 max. 14 W	55	Ø 145	Ø 120-130	200	7.5	1062	142	≤ 19
					250	9.7	1349	139	≤ 19
					300	11.2	1530	137	≤ 22
					350	13.6	1804	133	≤ 22
40002920	Pro-Fusion 140 max. 14 W	58	Ø 170	Ø 140-150	200	7.4	1108	150	≤ 19
					250	9.6	1412	147	≤ 19
					300	11.1	1604	145	≤ 19
40002930	Pro-Fusion 160 max. 14 W	61	Ø 190	Ø 160-170	200	7.3	1154	158	≤ 19
					250	9.6	1474	154	≤ 19
					300	11.0	1678	153	≤ 19
40002931	Pro-Fusion 160 max. 24 W	61	Ø 190	Ø 160-170	350	13.4	1990	149	≤ 19
					450	17.3	2601	150	≤ 22
					500	19.4	2856	147	≤ 22
					550	21.8	3079	141	≤ 22
40002935	Pro-Fusion 160 max. 24 W Dimmable	61	Ø 190	Ø 160-170	600	24.0	3317	138	≤ 22
					200	8.0	1273	159	≤ 19
					250	9.7	1519	157	≤ 19
					300	11.5	1766	154	≤ 19
					350	13.3	2012	151	≤ 19
					400	15.2	2285	150	≤ 22
40002940	Pro-Fusion 200 max. 14 W	61	Ø 228	Ø 200-210	450	17.0	2515	148	≤ 22
					500	18.8	2751	146	≤ 22
					550	20.7	2927	141	≤ 22
					200	7.3	1169	160	≤ 19
					250	9.4	1499	159	≤ 19
					300	10.9	1709	157	≤ 19
40002941	Pro-Fusion 200 max. 24 W	61	Ø 228	Ø 200-210	350	13.2	2028	154	≤ 19
					450	17.3	2660	154	≤ 19
					500	19.4	2925	151	≤ 19
					550	21.4	3173	148	≤ 19
					600	23.5	3429	146	≤ 22
					200	8.0	1273	159	≤ 19
40002945	Pro-Fusion 200 max. 24 W Dimmable	61	Ø 228	Ø 200-210	250	9.7	1519	157	≤ 19
					300	11.5	1766	154	≤ 19
					350	13.3	2012	151	≤ 19
					400	15.2	2285	150	≤ 19
					450	17.0	2515	148	≤ 19
					500	18.8	2751	146	≤ 19
40002950	Pro-Fusion S160 PIR 12 W	55	Ø 180	Ø 160-170	320	12.0	1800	150	≤ 22

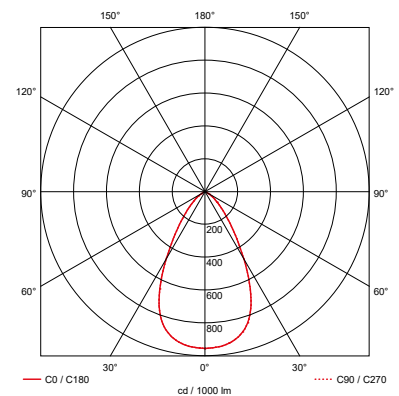
DIMENSIONAL DRAWING



H = Height
F = Front
C = Cutout size

See data table for details.

LIGHT DISTRIBUTION



*) Luminous flux values (column 'Output') and dissipated power data (column 'Power') in the table above apply to CCT setting 3000 K. The luminous flux level at 3500 K or 4000 K can be derived by multiplying a corresponding value from the table by respectively 1.05 and 1.02. The power dissipation can be derived by multiplying the corresponding data by respectively 0.97 and 0.99.



Pro-Fusion 200



Pro-Fusion S160

OPTIONS & ACCESSORIES

Surface mount enclosures
Emergency kit
Retrofit adapter

Item no.	Description
40002901	Pro-Fusion 120, Surface mount enclosure, Ø 145 x H 93 mm
40002902	Pro-Fusion 160, Surface mount enclosure, Ø 190 x H 93 mm
40002903	Pro-Fusion 200, Surface mount enclosure, Ø 228 x H 100 mm
40002905	Pro-Fusion, Emergency kit, 3 h, Auto test, LiFePO4 battery
40002906	Pro-Fusion 200, Retrofit adapter, Ø 200-260-300 mm



40002901



40002905



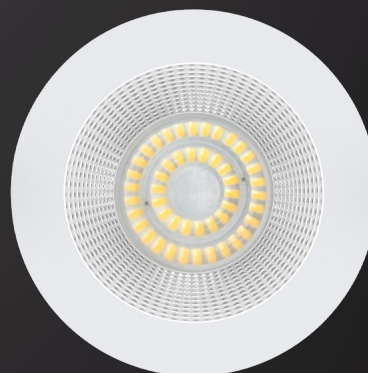
40002902



40002906



40002903



UTILITY

HOUSING

MORE INFO ABOUT
PRO-FUSION ONLINE:



SENSOR FEATURES & SPECIFICATIONS

Adjustable settings:

Detection range: 2 - 6 m ⁽¹⁾
 Hold time: 10 sec. - 7 min.
 Daylight sensitivity: 10 - 2000 lux

Technical data:

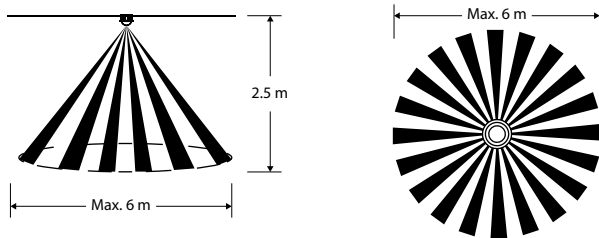
Sensor type: Passive infrared (PIR)
 Operating voltage: 220-240 V AC
 Master-slave max. load: 100 W
 Power consumption: 1 W
 Detection angle: 90°
 Installation height: min. 2 m / max. 3.5 m ⁽²⁾
 Operating temperature: -20°C – +40°C



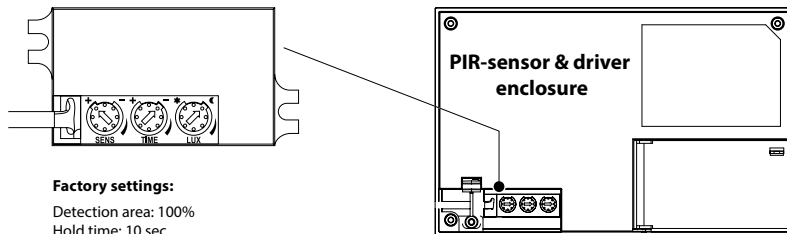
40002950 Pro-Fusion S160 | PIR | 12 W

1) Ground surface diameter at 2.5 m installation height.
 2) Recommended height: 2.5 m.

DETECTION RANGE DIAGRAM

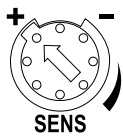


ADJUSTABLE SETTINGS



Factory settings:
 Detection area: 100%
 Hold time: 10 sec.
 Daylight sensor: 10 lux

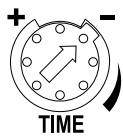
IP54



Detection area / Sensitivity

The detection area / sensitivity of the sensor can be adjusted by the knob "SENS". Turning clockwise increases the sensitivity to a maximum of Ø 6 m ground surface detection at 2.5 m installation height. Turning the knob anti-clockwise decreases the sensitivity to a minimum of Ø 2 m ground surface detection at 2.5 m installation height.

NOTE: The sensitivity setting may be affected by the ambient temperature in the installation environment.



Hold time

The hold time can be adjusted by the knob "TIME". Turning clockwise increases the hold time to a maximum of 7 minutes. Anti-clockwise decreases the hold time to a minimum of 10 sec.



Daylight sensor

The daylight threshold can be adjusted by the knob "LUX". Turning the knob clockwise increases the daylight threshold to a maximum of 2000 lux. Anti-clockwise decreases the daylight threshold to a minimum of 10 lux.

NOTE: The daylight threshold may be affected by the amount of (artificial) ambient light and behaviour may vary between different luminaires.

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**MORE INFO ABOUT
PRO-FUSION ONLINE:**



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