

Direct M

IP20 2550lm 940 36D DA2 BK

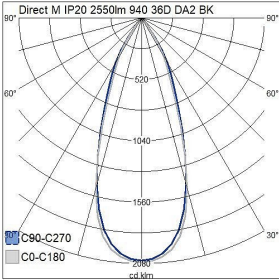
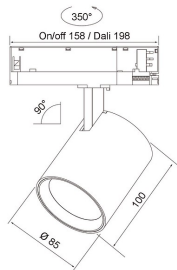
Spotlight

Direct M is an energy-efficient and adjustable spotlight with a long lifespan. Its compact size, high-quality light, and excellent color rendering make it an excellent choice for public spaces. Applications include stores, shops, hotels and restaurants. Direct is installed on a track, making its installation easy and flexible. The luminaire has an almost invisible driver integrated directly into the track adapter. The Direct M model is particularly well-suited for store lighting. Its light output and adjustability offer numerous options for illuminating store spaces; the luminaire is easy to move and redirect as needed. Adjusting the direction of the light provides options for illuminating different spaces; the luminaire is easy to move and direct as needed.

Direct M Spotlight 20W 4000K 2550lm Beam angle Medium beam 20-40°; Dim DALI-2; Dim programmable; IP20; IK02; Protection cl. II; L70B50 100000h; LED not exchangeable; Lamp included; CRI>90; SDCM3; Ending; 5x0.75mm²; Housing al; Colour bk; Cover Glass transparent; C16 max. 128

Stocked: Yes

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PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146991	4146991	0.51	Direct M



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EC001744 Downlight / spot luminaire / floodlight

Mounting		Structure	
Suitable for surface mounting	No	Adjustability	Rotating and swivelling
Suitable for recessed mounting	No	Lamp type	LED not exchangeable
Suitable for wall mounting	No	Light source included	Yes
Suitable for suspended mounting	No	Suitable for number of lamps	1
Suitable for ceiling mounting	No	Lamp holder	Other
Suitable for traverse mounting	No	Housing material	Aluminium
Suitable for pedestal/floor mounting	No	Surface protection	Powder coating
Suitable for light-track mounting	Yes	Housing colour	Black
Suitable for clamp-mounting	No	Cover material	Glass transparent
Suitable for low voltage cable system	No	Surface brushed	No
Degree of protection (IP)	IP20	Control gear included	Yes
Degree of protection (IP), rear side	IP20	Exchangeable control gear	No
Degree of protection (IP), front side	IP20	Reflector	Matt
Impact strength	IK02	Reflector colour	Silver
Emergency function monitoring system	None	Energy efficiency class of light source according to EU regulation 2019/2015	D
Type of wiring	Ending	Containing product according to 2019/2020/EU	Yes
Number of poles	5	Emergency power supply system	None
Conductor cross section (mm ²)	0.75 mm ²	Emergency power supply integrated	No
Connectable conductor cross section (min) (mm ²)	1.5 mm ²	Filament test according to IEC 60695-2-11	650 °C - 30 s
Connectable conductor cross section (max) (mm ²)	2.5 mm ²		
Connection type	Busbar adapter		
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	No		
Max. number of luminaires per miniature circuit breaker B16	80		
Max. number of luminaires per miniature circuit breaker C16	128		
Fit for workplace acc. EN 12464-1	No		
Luminaire may be covered with thermally insulating material	-		

Dimming and control	
With movement sensor	No
With presence indicator	No
With light sensor	No
Dimmable	Yes
Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI-2	Yes
Dimming DALI	Yes
Dimming DMX	No
Dimming DSI	No
Dimming potentiometer (integrated)	No
Dimming LineSwitch	No
Dimming manufacturer's proprietary system	No
Dimming mains voltage modulation	No
Dimming trailing edge	No
Dimming leading edge	No
Dimming programmable	Yes
Dimming RF	No
Dimming Sine Wave Reduction	No
Dimming Touch and Dim	No
Dimming Zigbee	No
Dimming with push-button	No
No dimming function	No
Constant luminous flux control	No
IFTTT support available	No
Compatible with Apple HomeKit	No
Bluetooth operated	No
Compatible with Google Assistant	No
Compatible with Casambi	No
Compatible with Amazon Alexa	No

Electrotechnical data	
Voltage type	AC/DC
Nominal voltage (min) (V)	220 V
Nominal voltage (max) (V)	240 V
Nominal current (min) (mA)	500 mA
Nominal current (max) (mA)	500 mA
Type of control gear	LED operating device current- controlled
Total harmonic distortion (THD) (%)	20 %
Total harmonic distortion	20 THD
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	20 W
Suitable for lamp power (max) (W)	20 W
Maximum system power (W)	20 W
Luminaire efficacy (min) (lm/W)	128 lm/W
Luminaire efficacy (max) (lm/W)	128 lm/W
Power factor	0.9
Luminaire efficacy (lm/W)	135 lm/W

Photometric data	
Light distributor	Reflector
Light sharing	Symmetric
Beam angle	Medium beam 20-40°
Light outlet	Direct
Colour of light (alphanumeric)	White
Colour temperature (min) (K)	4000 K
Colour temperature (max) (K)	4000 K
Colour temperature switchable	No
Colour rendering index (CRI/Ra)	90-100
Luminous flux (min) (lm)	2550 lm
Luminous flux (max) (lm)	2550 lm
Effective luminous flux (lm)	2550 lm
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	2550 lm
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	2550 lm
Lumen setting adjustable	No
Flickering value Pst LM	1
Beam angle adjustable	No
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG0
Colour consistency (McAdam ellipse)	SDCM3
Unified Glare Rating (UGR)	21

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	100000 h
Rated life time L80/B50 at 25 °C	100000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	95 %
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	90 %
Lumen maintenance at median useful life of 100,000 hr at 25 °C ambient (tq)	80 %
Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	5 %
Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	5 %
Failure rate at median useful life of 100,000 hrs at 25 °C ambient (tq)	10 %
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25 °C

Measurements	
Length (mm)	85 mm
Width (mm)	85 mm
Height/depth (mm)	100 mm
Outer diameter (mm)	85 mm
Installation height (min) (mm)	3000 mm
Installation height (max) (mm)	6000 mm