

Features

- A ceiling recessed LED downlight IP44 (from the front) with phase dimmable driver, perfect where limited ceiling void is available with only 38mm product depth and 90mm cutout. The polycarbonate diffuser allows for a wider light distribution and increased spacings between luminaires. Loop in loop out connector allows for quick installation. Die-cast aluminium body, 830LM, 3000K, Driver Current: 250mA, CRI80, 80° beam angle, IP44 from the front, IK07, (HxW) 38x109mm, Class 2, 220-240V. Meets TP(a) requirements.

Product Overview

Product name	START Downlight 90 IP44 830Lm 830 DIM
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
E-number FI	4278448
Fixture luminous flux (lm)	830
Luminaire efficacy (lm/W)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Glare control	< 28
Photobiological Risk Group	RG0
Total power consumption (W)	8.3
Electrical protection	Class II
Control gear type	LED driver constant current
LED Flickering Rate	Low (6% - 20%)
Housing colour	RAL 9010 - Pure white
IP rating	IP44/20
IK rating	IK07

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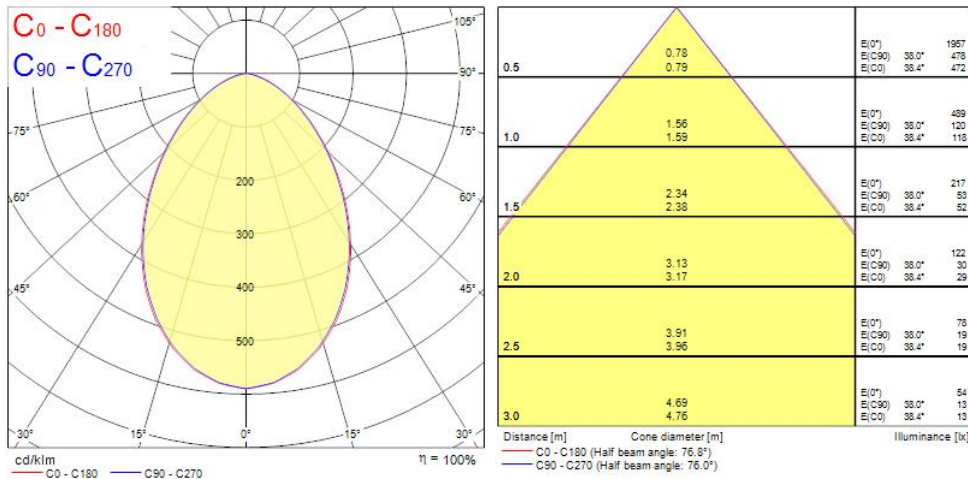
Product EAN number

5410288303796

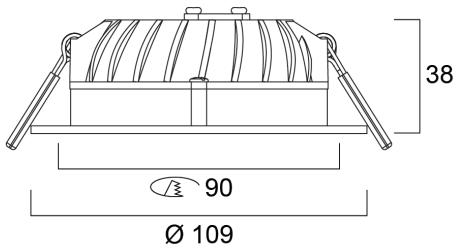
Warranty

5 years

Photometry



Technical drawings



Data table

START Downlight 90 IP44 830Lm 830 DIM 0030379

GENERAL DATA

Product name	START Downlight 90 IP44 830Lm 830 DIM
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Operating temperature range (°C)	-10°C...+40°C
Performance ambient temperature Tq (°C)	40
E-number FI	4278448
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	830
Luminaire efficacy (lm/W)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Glare control	< 28
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	8.3
Primary Supply/Product voltage - min (V)	220.0
Lamp power factor	0.9
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	250
Inrush Current (A)	7.5
Inrush Duration (µs)	80
Glow Wire Test (°C)	850

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Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)
Max. products per 10A C Breaker	60
Connectable conductor cross section - Min (mm ²)	0.5
Connectable conductor cross section - Max (mm ²)	1.5

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	78000
Lifespan L80 B20	74000
Lifespan L80 B10	72000
Lifespan L90 B50	38000
Lifespan L90 B20	36000
Lifespan L90 B10	34000

PHYSICAL DATA

Housing colour	RAL 9010 - Pure white
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Frosted
Diffuser material	PC Polycarbonate
Nominal Product Diameter (mm)	109
Weight (kg)	0.261

PACKAGING

Single packaging type	Carton
Product EAN number	5410288303796
Packaging single width (cm)	15.0

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Packaging single depth (cm)	6.5
DUN14 (outer)	15410288303793
Packaging outer length / height (cm)	34.0

SAFETY DATA

Optimal operating condition (°C)	-10-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No