

START Downlight 90 IP54 830Lm 830 DIM
0030379



Features

• Ceiling recessed LED downlight IP54 (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, IP54 from the front, IK07, (HxW) 38x109mm, Class 2, 220-240V. Meets TP(a) requirements.

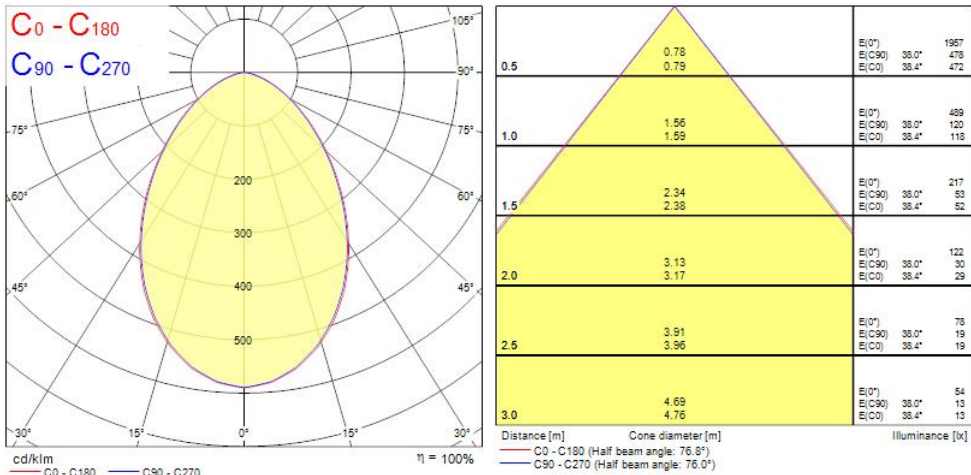
Product Overview

Product name	START Downlight 90 IP54 830Lm 830 DIM
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Logistics & Industry, Office
ETIM Class	EC001744
E-number FI	4278448
Fixture luminous flux (lm)	830
Luminaire efficacy (lm/W)	100
Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	80
Glare control	< 28
Photobiological Risk Group	RG0
Total power consumption (W)	8.3
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes

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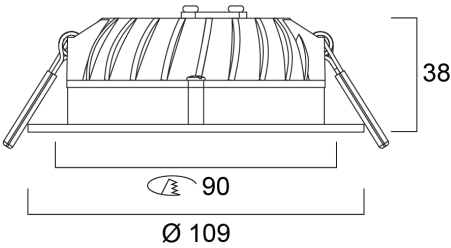
LED Flickering Rate	Low (6% - 20%)
Housing colour	RAL9010
IP rating	IP54/20
IK rating	IK07
Product EAN number	5410288303796
Warranty	5 years
Dimming method	Mains: leading / trailing edge

Photometry



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Technical drawings



Data table

GENERAL DATA

Product name	START Downlight 90 IP54 830Lm 830 DIM
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Logistics & Industry, Office
Operating temperature range (°C)	-10°C...+40°C
Performance ambient temperature Tq (°C)	40
ETIM Class	EC001744
E-number FI	4278448
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	830
Luminaire efficacy (lm/W)	100

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Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	80
Distribution type	Symmetric
Glare control	< 28
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	8.3
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	20.0
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>100000
Dimmable	Yes
Dimming method	Mains: leading / trailing edge
Drive current (mA)	250
Inrush Current (A)	7.5
Inrush Duration (µs)	80
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
Max. products per 13A C Breaker	75
Max. products per 16A C Breaker	93
Max. products per 20A C Breaker	102
Max. products per 16A B Breaker	60

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Connectable conductor cross section - Min (mm ²)	0.5
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Connectable conductor cross section - Max (mm ²)	1.5
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LIFETIME DATA

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

Housing colour	RAL9010
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IP rating	IP54/20
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IK rating	IK07
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Diffuser finish	Frosted
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Diffuser material	PC Polycarbonate
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Reflector finish	High-gloss
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Nominal Product Height (mm)	38
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Nominal Product Diameter (mm)	109
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Weight (kg)	0.261
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PACKAGING

Product EAN number	5410288303796
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Packaging single length / height (cm)	16.2
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Packaging single width (cm)	15.0
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Packaging single depth (cm)	6.5
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DUN14 (inner)	15410288303793
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Units per outer package	20
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Packaging outer length / height (cm)	34.0
Packaging outer width (cm)	31.5
Packaging outer depth (cm)	34.5

SAFETY DATA

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-10-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No