

## START Downlight IP44 90 DIM

START Downlight 90 IP44 880Lm 840 DIM  
0030380



### Product 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, 880LM, 4000K, 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 880Lm 840 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	4278449
Warranty	5 years
Fixture luminous flux (lm)	880
Luminous flux (lm)	880
Luminaire efficacy (lm/W)	106
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
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
Dimming method	Mains: leading / trailing edge
LED Flickering Rate	Low (6% - 20%)
Housing colour	RAL 9010 - Pure white
IP rating	IP44/20
IK rating	IK07
Product EAN number	5410288303802

### DATA TABLE

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### General data

Product name	START Downlight 90 IP44 880Lm 840 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	4278449
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	880
Luminous flux (lm)	880
Luminaire efficacy (lm/W)	106
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
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
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)

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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
Connectable conductor cross section - Min (mm <sup>2</sup> )	0.5
Connectable conductor cross section - Max (mm <sup>2</sup> )	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
Reflector finish	High-gloss
Nominal Product Height (mm)	38
Nominal Product Diameter (mm)	109
Weight (kg)	0.261

### Packaging

Single packaging type	Carton
Product EAN number	5410288303802
Packaging single length / height (cm)	16.2
Packaging single width (cm)	15.0
Packaging single depth (cm)	6.5
DUN14 (outer)	15410288303809
Units per outer package	20
Packaging outer length / height (cm)	34.0
Packaging outer width (cm)	31.5
Packaging outer depth (cm)	34.5

### Safety data

Optimal operating condition (°C)	-10-40
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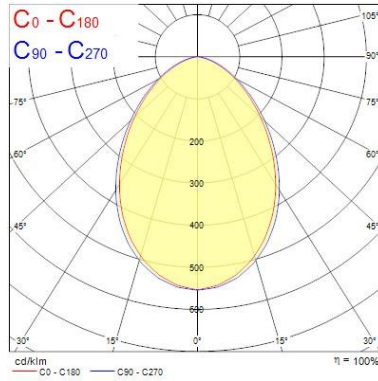
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### PHOTOMETRY

0.5	0.85 0.81	E(I°) E(C90) E(C0)	1958 425 452
1.0	1.70 1.61	E(I°) E(C90) E(C0)	490 109 116
1.5	2.55 2.42	E(I°) E(C90) E(C0)	218 48 51
2.0	3.40 3.23	E(I°) E(C90) E(C0)	122 27 29
2.5	4.26 4.03	E(I°) E(C90) E(C0)	78 17 18
3.0	5.11 4.84	E(I°) E(C90) E(C0)	54 14 15

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 77.8°)  
— C90 - C270 (Half beam angle: 80.8°)



### TECHNICAL DRAWINGS

