

START Downlight Flat Dimmable 172mm Round Surface

START eco Downlight Flat 172 1100lm 830 DIM Surface
0053945



Product features

- START eco Downlight Flat DIM Surface is an integrated LED surface mounted downlight with a separate, phase dimmable driver and loop in- out box, 12W; 1100Lm; 92Lm/W; 3000K; IP20.



PRODUCT OVERVIEW

Product name	START eco Downlight Flat 172 1100lm 830 DIM Surface
Technology	LED
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality
ETIM Class	EC001744
E-number FI	4278199
Warranty	3 years
Fixture luminous flux (lm)	1100
Luminaire efficacy (lm/W)	92
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	120
Glare control	< 28
Photobiological Risk Group	RG0
Max load (A)	120
Total power consumption (W)	12
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	Mains: leading / trailing edge
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK06
Product EAN number	5410288539454

DATA TABLE

General data

Product name	START eco Downlight Flat 172 1100lm 830 DIM Surface
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Technology	LED
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number FI	4278199
Warranty	3 years

Optical data

Fixture luminous flux (lm)	1100
Luminaire efficacy (lm/W)	92
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	120
Distribution type	Symmetric
Glare control	< 28
Photobiological Risk Group	RG0

Electrical data

Max load (A)	120
Total power consumption (W)	12
Mains voltage (V)	220-240V
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
Dimmable	Yes
Dimming method	Mains: leading / trailing edge
Drive current (mA)	300
Inrush Current (A)	2.35
Inrush Duration (µs)	120
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	95
Max. Luminaires per 13A C Breaker	124
Max. Luminaires per 16A C Breaker	152
Max. Luminaires per 20A C Breaker	190
Max. Luminaires per 10A B Breaker	95
Max. Luminaires per 13A B Breaker	124
Max. Luminaires per 16A B Breaker	152

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Max. Luminaires per 20A B Breaker	190
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Lifetime data

Lifespan L70 B50	30000
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Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK06
Diffuser finish	Opal
Diffuser material	Other
Nominal Product Height (mm)	38
Nominal Product Diameter (mm)	172
Cutout Dimensions (W x L in mm or Diameter in mm)	NA
Weight (kg)	0.487

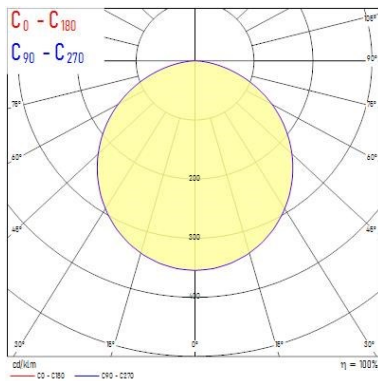
Packaging

Single packaging type	Carton
Product EAN number	5410288539454
Packaging single length / height (cm)	19.2
Packaging single width (cm)	17.5
Packaging single depth (cm)	4.2
DUN14 (outer)	15410288539451
Units per outer package	10
Packaging outer length / height (cm)	36.5
Packaging outer width (cm)	23.0
Packaging outer depth (cm)	21.0

Safety data

Optimal operating condition (°C)	-20-40
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E _v (0°) E _v (C0)	55.7°	1573 141
0.5	1.47	E _v (0°) E _v (C0)	55.7°	393 35
1.0	2.93	E _v (0°) E _v (C0)	55.7°	175 16
1.5	4.40	E _v (0°) E _v (C0)	55.7°	96 9
2.0	5.86	E _v (0°) E _v (C0)	55.7°	63 6
2.5	7.33	E _v (0°) E _v (C0)	55.7°	44 4
3.0	8.80	E _v (0°) E _v (C0)	55.7°	

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

CO - C180 (Half beam angle: 111.4°)

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TECHNICAL DRAWINGS

