

START Surface IP44 2900lm 830/840 DualTone DIM EM
0043440



Features

- Ceiling / wall luminaire with integrated LED. Perfect solution for hallways, circulation spaces or foyer. Even and uniform light distribution with a halo lighting effect on the wall surface. Body Size diameter 390mm. Besa mounting box compatible, hole distance 51 & 78mm. DualTone functionality enables switch between 3000K and 4000K colour temperatures. Power 32W, output 2900 lumens (4000K). Dimmable, leading/trailing edge. IK03, IP44. Low maintenance with lifespan 90,000 hours L70:B50. Integrated non-maintained 3 hours LiFePO4 emergency kit.

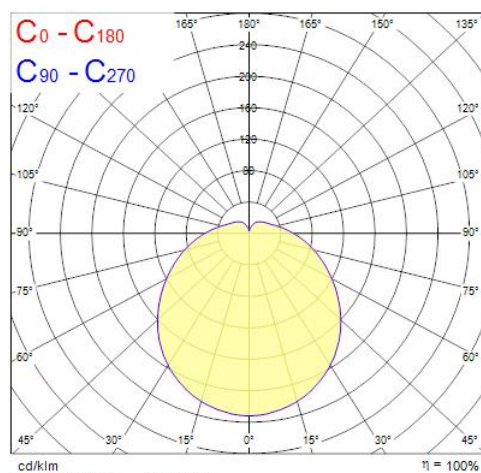
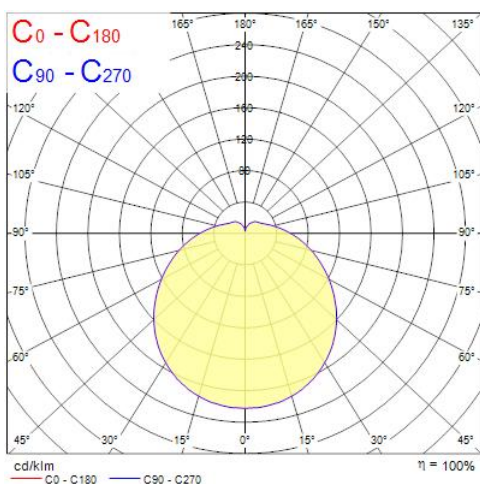
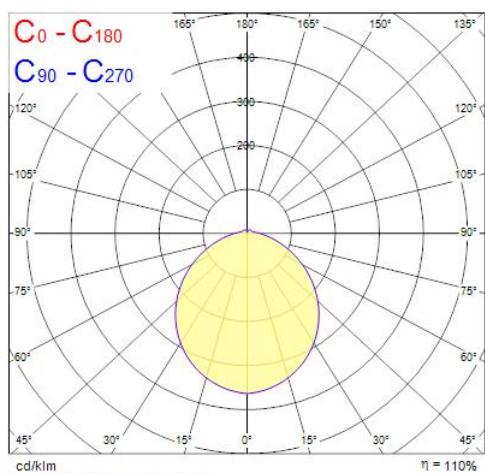
Product Overview

Product name	START Surface IP44 2900lm 830/840 DualTone DIM EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
General application	Hospitality
ETIM Class	EC002892
Fixture luminous flux (lm)	2900
Luminaire efficacy (lm/W)	91
Colour temperature (K)	4000
Light colour	Amber White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	120
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	120
Total power consumption (W)	32
Electrical protection	Class I
Control gear type	LED driver constant current

START Surface IP44 2900lm 830/840 DualTone DIM EM 0043440

Dimmable	Yes
LED Flickering Rate	Medium (21% - 40%)
Housing colour	White
IP rating	IP44
IK rating	IK03
Product EAN number	5410288434407
Warranty	3 years
Dimming method	Mains: leading / trailing edge

Photometry



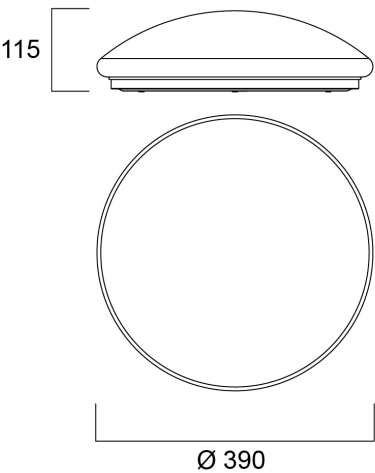
0.5	2.17	E(0°) E(C0)	2402 88
1.0	4.35	E(0°) E(C0)	600 22
1.5	6.52	E(0°) E(C0)	267 10
2.0	8.70	E(0°) E(C0)	150 5
2.5	10.87	E(0°) E(C0)	96 4
3.0	13.04	E(0°) E(C0)	67 2
Distance [m] Cone diameter [m]		Illuminance [lx]	
— C0 - C180 (Half beam angle: 130.6°)			

0.5	1.94	E(0°) E(C0)	2688 130
1.0	3.87	E(0°) E(C0)	672 32
1.5	5.81	E(0°) E(C0)	299 14
2.0	7.75	E(0°) E(C0)	168 8
2.5	9.69	E(0°) E(C0)	108 5
3.0	11.62	E(0°) E(C0)	75 4
Distance [m] Cone diameter [m]		Illuminance [lx]	
— C0 - C180 (Half beam angle: 125.4°)			

0.5	1.36	E(0°) E(C0)	177 19
1.0	2.71	E(0°) E(C0)	44 5
1.5	4.07	E(0°) E(C0)	20 2
2.0	5.43	E(0°) E(C0)	11 1
2.5	6.78	E(0°) E(C0)	7 1
3.0	8.14	E(0°) E(C0)	5 1
Distance [m] Cone diameter [m]		Illuminance [lx]	
— C0 - C180 (Half beam angle: 107.2°)			

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Technical drawings



Data table

GENERAL DATA

Product name	START Surface IP44 2900lm 830/840 DualTone DIM EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
General application	Hospitality
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	3 years

OPTICAL DATA

Fixture luminous flux (lm)	2900
Luminaire efficacy (lm/W)	91

START Surface IP44 2900lm 830/840 DualTone DIM EM 0043440

Colour temperature (K)	4000
Correlated colour temperature range (K)	3000 - 4000
Light colour	Amber White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	120
Distribution type	Diffuse
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	120
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	32
Mains voltage (V)	220-240V
Lamp power factor	1
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	20
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	Mains: leading / trailing edge
Drive current (mA)	168
Inrush Current (A)	5
Inrush Duration (μ s)	100
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50Hz
LED Flickering Rate	Medium (21% - 40%)
Max. Luminaires per 10A C Breaker	6
Max. Luminaires per 13A C Breaker	8
Max. Luminaires per 16A C Breaker	10
Max. Luminaires per 20A C Breaker	12
Max. Luminaires per 10A B Breaker	4

START Surface IP44 2900lm 830/840 DualTone DIM EM 0043440

Max. Luminaires per 13A B Breaker	5
Max. Luminaires per 16A B Breaker	6
Max. Luminaires per 20A B Breaker	7

LIFETIME DATA

Lifespan L70 B50	90000
Lifespan L80 B50	90000
Lifespan L90 B50	50000

PHYSICAL DATA

Housing colour	White
IP rating	IP44
IK rating	IK03
Diffuser finish	Opal
Diffuser material	Polypropylene
Nominal Product Height (mm)	115
Nominal Product Diameter (mm)	390
Weight (kg)	0.985

PACKAGING

Single packaging type	Carton
Product EAN number	5410288434407
Packaging single length / height (cm)	42.4
Packaging single width (cm)	12.8
Packaging single depth (cm)	42.7
DUN14 (outer)	15410288434404
Units per outer package	5
Packaging outer length / height (cm)	66.5
Packaging outer width (cm)	43.7
Packaging outer depth (cm)	44.5

SAFETY DATA

Optimal operating condition (°C)	-20-40
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Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No