

## START eco Surface IP44

START ECO SURFACE IP44 DUAL TONE 1500LM 830/40 DIM

0043122



### Product 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 330mm. Power 18W, output 1500 lumens. Supplied with LED driver (leading edge/trailing edge dimmable) and color light temperature switch that enables to choose between 3000K and 4000K. IK03 PMMA diffuser. Low maintenance with 30,000 hours LED life expectancy



### PRODUCT OVERVIEW

Product name	START ECO SURFACE IP44 DUAL TONE 1500LM 830/40 DIM
Technology	LED
Housing	Aluminium
Mount	Ceiling surface mounting
Environment	Indoor
General application	Residential & Consumer
ETIM Class	EC002892
E-number FI	4170566
Warranty	3 years
Fixture luminous flux (lm)	1500
Luminaire efficacy (lm/W)	83
Colour temperature (K)	4000
Light colour	Amber White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	5
Beam Angle (°)	120
Glare control	< 28
Photobiological Risk Group	RG1
Total power consumption (W)	18
Electrical protection	Class I
Dimmable	Yes
Minimum dimming level (%)	10
Housing colour	White
IP rating	IP44
IK rating	IK03
Product EAN number	5410288431222

### DATA TABLE

General data

Product name	START ECO SURFACE IP44 DUAL TONE 1500LM 830/40 DIM
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Technology	LED
Housing	Aluminium
Mount	Ceiling surface mounting
Environment	Indoor
General application	Residential & Consumer
Operating temperature range (°C)	-20°C - 40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4170566
Warranty	3 years

### Optical data

Fixture luminous flux (lm)	1500
Luminaire efficacy (lm/W)	83
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)	SDCM6
Colour Consistency (SDCM)	5
Beam Angle (°)	120
Distribution type	Direct
Glare control	< 28
Photobiological Risk Group	RG1

### Electrical data

Total power consumption (W)	18
Mains voltage (V)	220-240V~
Lamp power factor	0.8
Electrical protection	Class I
Dimmable	Yes
Minimum dimming level (%)	10
Drive current (mA)	270
Inrush Current (A)	3.18
Inrush Duration (µs)	65
Glow Wire Test (°C)	650
Nominal Frequency (Hz)	50Hz
Max. Luminaires per 10A C Breaker	15
Max. Luminaires per 13A C Breaker	19
Max. Luminaires per 16A C Breaker	24
Max. Luminaires per 20A C Breaker	30

### Lifetime data

Lifespan L70 B50	30000
Lifespan L80 B50	18700

### Physical data

Housing colour	White
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IP rating	IP44
IK rating	IK03
Diffuser finish	Opal
Diffuser material	PMMA Acrylic
Nominal Product Length (mm)	330
Nominal Product Width (mm)	330
Nominal Product Height (mm)	96
Weight (kg)	0.5

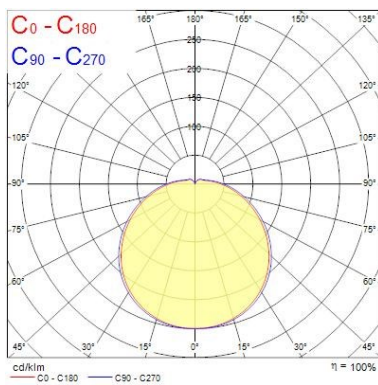
### Packaging

Single packaging type	Carton
Product EAN number	5410288431222
Packaging single length / height (cm)	36.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	36.0
DUN14 (outer)	15410288431229
Units per outer package	6
Packaging outer length / height (cm)	74.7
Packaging outer width (cm)	32.6
Packaging outer depth (cm)	39.2

### Safety data

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



Distance [m]	Cone diameter [m]	E <sub>0°</sub> [lx]	E <sub>C90</sub> [lx]	E <sub>C0</sub> [lx]
0.5	1.87 1.90	1529	819*	822*
1.0	3.75 3.79	382	819*	822*
1.5	5.62 5.69	170	819*	822*
2.0	7.49 7.59	96	819*	822*
2.5	9.36 9.48	61	819*	822*
3.0	11.24 11.38	42	819*	822*

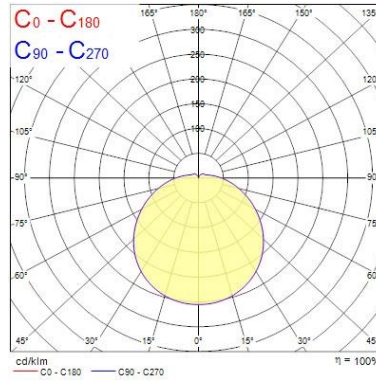
Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 124.4°)  
 — C90 - C270 (Half beam angle: 123.8°)

## START eco Surface IP44

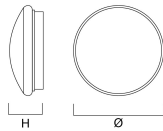
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Distance [m]	Cone diameter [m]		Illuminance [lx]	
0.5	2.04	1.89	E(0°) E(C90) 63.9° E(C0) 62.1°	1980 82 71
1.0	4.08	3.78	E(0°) E(C90) 63.9° E(C0) 62.1°	348 16 13
1.5	6.12	5.67	E(0°) E(C90) 63.9° E(C0) 62.1°	158 7 6
2.0	8.17	7.55	E(0°) E(C90) 63.9° E(C0) 62.1°	67 4 3
2.5	10.21	9.44	E(0°) E(C90) 63.9° E(C0) 62.1°	56 3 2
3.0	12.25	11.33	E(0°) E(C90) 63.9° E(C0) 62.1°	38 2 1

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 124.2°)  
 — C90 - C270 (Half beam angle: 127.6°)



## TECHNICAL DRAWINGS



Version	Ø	H
6W	180	75
12W	250	80
17/18W	330	96
24W	360	100