

START Surface IP44 DualTone

START Surface IP44 2050lm DIM 830/840 DualTone

0043434



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 360mm. Besa mounting box compatible, hole distance 51mm. DualTone functionality enables switch between 3000K and 4000K colour temperatures. Power 24W, output 2050 lumens (4000k). Dimmable, leading/trailing edge. IK03, IP44. Low maintenance with 30,000 hours LED life expectancy.



PRODUCT OVERVIEW

Product name	START Surface IP44 2050lm DIM 830/840 DualTone
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
General application	Hospitality
ETIM Class	EC002892
Warranty	3 years
Fixture luminous flux (lm)	2050
Luminaire efficacy (lm/W)	90
Colour temperature (K)	4000
Light colour	Amber White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Beam Angle (°)	120
Photobiological Risk Group	RG0
Total power consumption (W)	24
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	10
LED Flickering Rate	High (>40%)
Housing colour	White
IP rating	IP44
IK rating	IK03
Product EAN number	5410288434346

DATA TABLE

General data

Product name	START Surface IP44 2050lm DIM 830/840 DualTone
Technology	LED
Cap/Base	N/A
Housing	Steel

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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)	2050
Luminaire efficacy (lm/W)	90
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
Beam Angle (°)	120
Distribution type	Diffuse
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	24
Mains voltage (V)	220-240V
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	85
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	10
Drive current (mA)	174
Inrush Current (A)	3
Inrush Duration (µs)	30
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50Hz
LED Flickering Rate	High (>40%)
Max. Luminaires per 10A C Breaker	10
Max. Luminaires per 13A C Breaker	13
Max. Luminaires per 16A C Breaker	16
Max. Luminaires per 20A C Breaker	20
Max. Luminaires per 10A B Breaker	6
Max. Luminaires per 13A B Breaker	8
Max. Luminaires per 16A B Breaker	10
Max. Luminaires per 20A B Breaker	12

Lifetime data

Lifespan L70 B50	30000
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Physical data

Housing colour	White
IP rating	IP44
IK rating	IK03
Diffuser finish	Opal
Diffuser material	Polypropylene
Nominal Product Height (mm)	100
Nominal Product Diameter (mm)	360
Weight (kg)	0.6

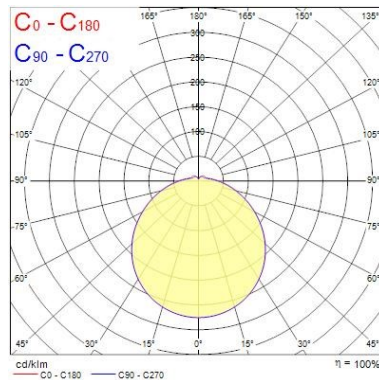
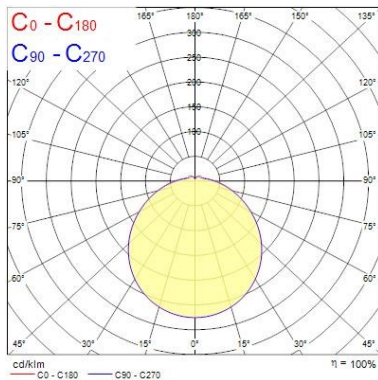
Packaging

Single packaging type	Carton
Product EAN number	5410288434346
Packaging single length / height (cm)	39.0
Packaging single width (cm)	10.5
Packaging single depth (cm)	39.0
DUN14 (outer)	15410288434343
Units per outer package	6
Packaging outer length / height (cm)	65.6
Packaging outer width (cm)	40.0
Packaging outer depth (cm)	40.5

Safety data

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



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Distance [m]	Cone diameter [m]	Beam type	E ₀ [lx]	E _{10%} [lx]	E _{5%} [lx]
0.5	1.64 1.66	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	228	55.7	156
1.0	3.29 3.32	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	56.5	14	39
1.5	4.93 4.97	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	25.1	6.3	17
2.0	6.58 6.63	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	14.1	3.5	10
2.5	8.22 8.29	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	9.0	2.2	6
3.0	9.87 9.95	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	6.0	1.5	4

Distance [m]	Cone diameter [m]	Beam type	E ₀ [lx]	E _{10%} [lx]	E _{5%} [lx]
0.5	1.64 1.66	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	210	52.5	145
1.0	3.29 3.32	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	53.0	13	37
1.5	4.93 4.97	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	23.6	5.9	16
2.0	6.58 6.63	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	13.3	3.3	9
2.5	8.22 8.29	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	8.5	2.1	6
3.0	9.87 9.95	C0 - C180 (Half beam angle: 117.8°) C90 - C270 (Half beam angle: 117.4°)	5.8	1.4	4

TECHNICAL DRAWINGS

