

Start eco Surface IP44 DualTone

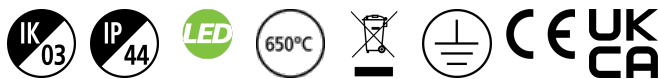
START ECO SURFACE IP44 2050LM 830/840 DUAL TONE

0043428



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). Non-dimmable. IK03, IP44. Low maintenance with 30,000 hours LED life expectancy. Energy Class: A++, A+, A



PRODUCT OVERVIEW

Product name	START ECO SURFACE IP44 2050LM 830/840 DUALTONE
Technology	LED
Housing	Steel
General application	Hospitality
ETIM Class	EC002892
E-number FI	4170571
Warranty	3 years
Fixture luminous flux (lm)	2050
Luminaire efficacy (lm/W)	85
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
Dimmable	No
Minimum dimming level (%)	100
LED Flickering Rate	High (>40%)
Housing colour	White
IP rating	IP44
IK rating	IK03
Product EAN number	5410288434285

DATA TABLE

General data

Product name	START ECO SURFACE IP44 2050LM 830/840 DUALTONE
Technology	LED
Housing	Steel
General application	Hospitality
Operating temperature range (°C)	-20°C - 40°C

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Performance ambient temperature Tq (°C) 25

ETIM Class EC002892

E-number FI 4170571

Warranty 3 years

Optical data

Fixture luminous flux (lm) 2050

Luminaire efficacy (lm/W) 85

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 0.8

Electrical protection Class I

Dimmable No

Minimum dimming level (%) 100

Drive current (mA) 75

Inrush Current (A) 0.5

Inrush Duration (µs) 30

Glow Wire Test (°C) 650

Nominal Frequency (Hz) 50/60Hz

LED Flickering Rate High (>40%)

Max. Luminaires per 10A C Breaker 30

Max. Luminaires per 13A C Breaker 39

Max. Luminaires per 16A C Breaker 48

Max. Luminaires per 20A C Breaker 60

Max. Luminaires per 10A B Breaker 30

Max. Luminaires per 13A B Breaker 39

Max. Luminaires per 16A B Breaker 48

Max. Luminaires per 20A B Breaker 60

Lifetime data

Lifespan L70 B50 30000

Physical data

Housing colour White

IP rating IP44

IK rating IK03

Diffuser finish Opal

Diffuser material Polypropylene

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Nominal Product Length (mm)	360
Nominal Product Width (mm)	360
Nominal Product Height (mm)	100
Nominal Product Diameter (mm)	360
Weight (kg)	0.504

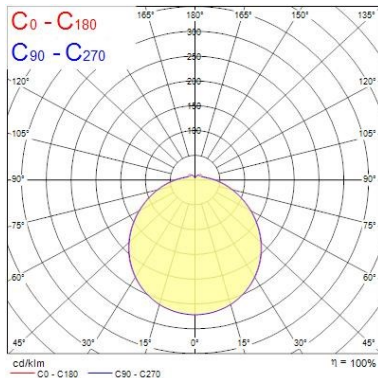
Packaging

Single packaging type	Carton
Product EAN number	5410288434285
Packaging single length / height (cm)	36.3
Packaging single width (cm)	10.2
Packaging single depth (cm)	36.5
DUN14 (outer)	15410288434282
Units per outer package	6
Packaging outer length / height (cm)	66.3
Packaging outer width (cm)	40.9
Packaging outer depth (cm)	41.4

Safety data

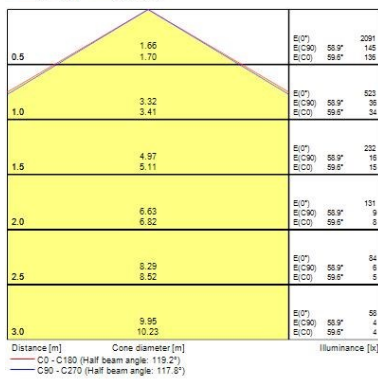
Optimal operating condition (°C)	-20-40
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀ [lx]	E ₃₀ [lx]	E ₄₅ [lx]
0.5	1.66 1.70	2227	154	58	14
1.0	3.32 3.41	557	38	13	3
1.5	4.97 5.11	247	17	6	1
2.0	6.63 6.82	139	10	3	0.5
2.5	8.29 8.52	89	6	2	0.3
3.0	9.95 10.23	62	4	1	0.2

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 119.2°)
 — C90 - C270 (Half beam angle: 117.8°)



Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀ [lx]	E ₃₀ [lx]	E ₄₅ [lx]
0.5	1.66 1.70	2091	146	53	13
1.0	3.32 3.41	523	36	13	3
1.5	4.97 5.11	232	16	6	1
2.0	6.63 6.82	131	9	3	0.5
2.5	8.29 8.52	84	6	2	0.3
3.0	9.95 10.23	58	4	1	0.2

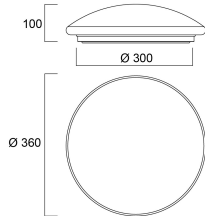
Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 119.2°)
 — C90 - C270 (Half beam angle: 117.8°)

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TECHNICAL DRAWINGS




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 This luminaire contains built-in LED lamps

A⁺⁺
A⁺
A
B
C
D
E

} LED


The lamps cannot be changed in the luminaire.

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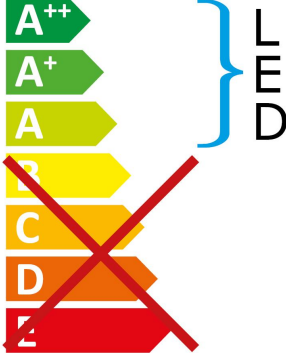
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