

START Surface IP44 DualTone

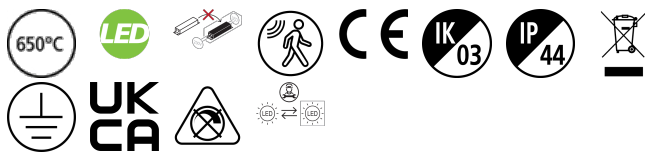
START Surface IP44 2050lm MW 830/840 DualTone

0043436



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). Supplied with integrated Microwave sensor for automatic on-off presence control. IK03, IP44. Low maintenance with lifespan 90,000 hours L70:B50.



PRODUCT OVERVIEW

Product name	START Surface IP44 2050lm MW 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)	85
Light colour	Warm 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	No
Dimming method	N/A
LED Flickering Rate	High (>40%)
Housing colour	White
IP rating	IP44
IK rating	IK03
Product EAN number	5410288434360

DATA TABLE

General data

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

START Surface IP44 DualTone

START Surface IP44 2050lm MW 830/840 DualTone

0043436

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)	85
Correlated colour temperature range (K)	3000 - 4000
Light colour	Warm 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
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.7
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	70
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	74
Inrush Current (A)	2
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. products per 10A C Breaker	15
Max. products per 13A C Breaker	20
Max. products per 16A C Breaker	24
Max. products per 20A C Breaker	30
Max. products per 10A B Breaker	15
Max. products per 13A B Breaker	20
Max. products per 16A B Breaker	24
Max. products per 20A B Breaker	30
Connectable conductor cross section - Max (mm²)	2.5

START Surface IP44 DualTone

START Surface IP44 2050lm MW 830/840 DualTone
0043436

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)	100
Nominal Product Diameter (mm)	360
Weight (kg)	0.548

Packaging

Single packaging type	Carton
Product EAN number	5410288434360
Packaging single length / height (cm)	36.3
Packaging single width (cm)	10.2
Packaging single depth (cm)	36.5
DUN14 (outer)	15410288434367
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

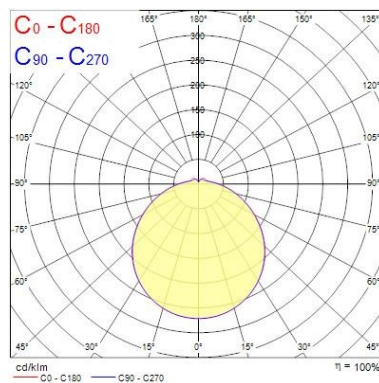
Optimal operating condition (°C)	-20-40
----------------------------------	--------

PHOTOMETRY

Distance [m]	Cone diameter [m]	E ₀ [lx]	E _{1(C90)} [lx]	E _{1(C0)} [lx]
0.5	1.66 1.70	2224 152	99.0° 148	99.5° 148
1.0	3.33 3.40	556 38	99.0° 38	99.5° 38
1.5	4.99 5.09	247 17	99.0° 17	99.5° 17
2.0	6.66 6.79	139 10	99.0° 10	99.5° 9
2.5	8.32 8.49	89 8	99.0° 8	99.5° 8
3.0	9.99 10.19	62 4	99.0° 4	99.5° 4

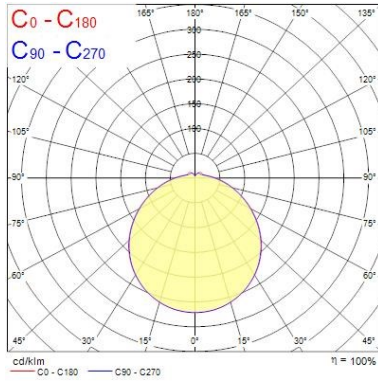
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 119.0°)
— C90 - C270 (Half beam angle: 119.0°)



START Surface IP44 DualTone

START Surface IP44 2050lm MW 830/840 DualTone
0043436



Distance [m]	Cone diameter [m]	Beam angle [°]	Illuminance [lx]
0.5	1.66 1.70	119.0° 117.0°	2098 143
1.0	3.33 3.40	59.5° 58.5°	522 78 34
1.5	4.99 5.09	39.7° 39.0°	232 18 15
2.0	6.66 6.79	29.7° 29.2°	131 9 9
2.5	8.32 8.49	19.8° 19.5°	84 6 5
3.0	9.99 10.19	14.9° 14.7°	68 4 4

Distance [m] Cone diameter [m] Illuminance [lx]
 C0 - C180 (Half beam angle: 119.0°)
 C90 - C270 (Half beam angle: 119.0°)

TECHNICAL DRAWINGS

