

START SURFACE IP66 1500LM 840 MW SENS EM3 IK10 WHT
0049013



Features

- Sensor Dim LED exterior surface mounted luminaire, 350mm diameter, 1500lm as max. lumen output, can be adjusted down to 1450lm by internal switch, 14W max. power consumption, 107lm/W efficacy, 4000K color temperature, CRI80, IP66, IK10, 50,000 hours (L70), whitehousing, vandal resistant. Integrated Microwave occupancy sensor with daylight harvest, dimming and corridor function. Integrated emergency, 3 hours, supplied with anti-theft screws

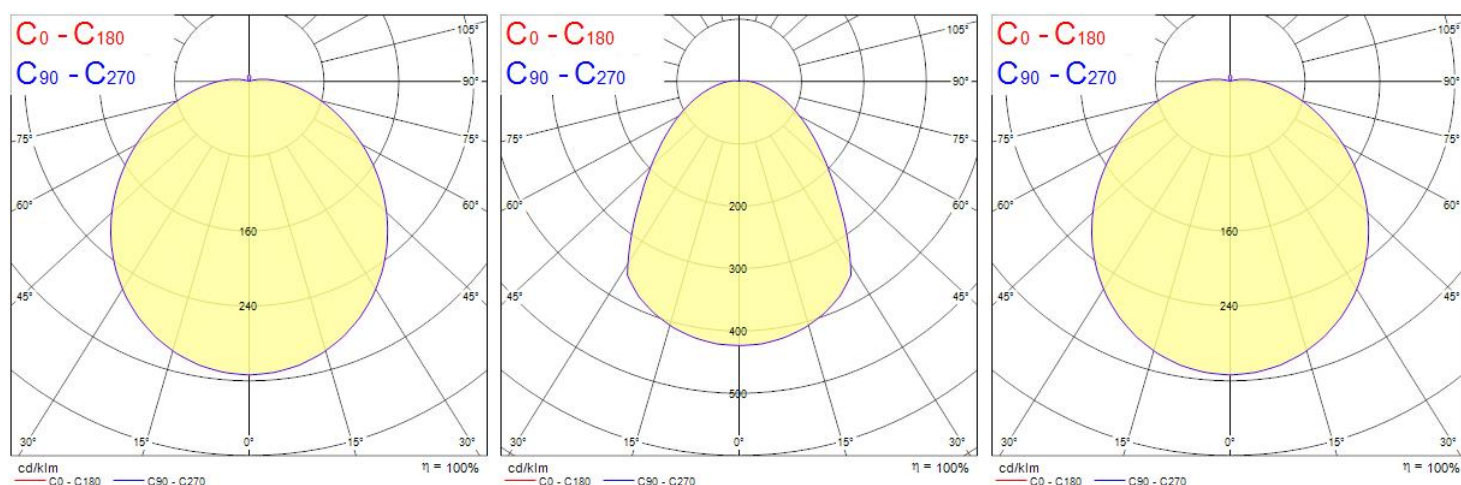
Product Overview

Product name	START SURFACE IP66 1500LM 840 MW SENS EM3 IK10 WHT
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting
Environment	Indoor, Outdoor
General application	Hospitality
ETIM Class	EC002892
Fixture luminous flux (lm)	1500
Luminaire efficacy (lm/W)	88
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	120
Glare control	< 25
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	124

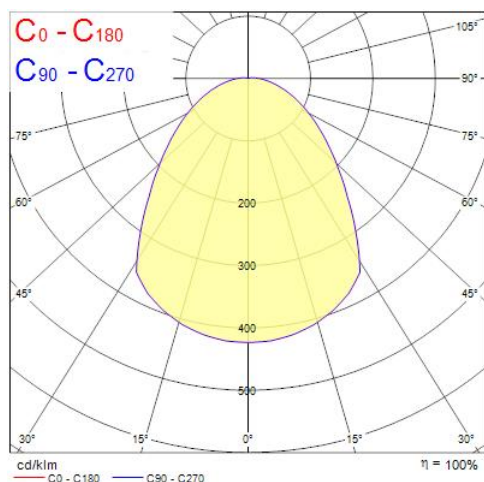
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Total power consumption (W)	17
Electrical protection	Class II
Control gear type	LED driver constant current
Control gear mounting	Integrated
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9003
IP rating	IP66
IK rating	IK10
Product EAN number	5410288490137
Warranty	5 years
Colour Code	840
Dimming method	Other

Photometry



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Distance [m]	Cone diameter [m]	E (0°) E (C0)	56.7°	1945 161
0.5	1.52			
1.0	3.04			486 40
1.5	4.57			216 18
2.0	6.09			122 10
2.5	7.61			78 6
3.0	9.13			54 4

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

— C0 - C180 (Half beam angle: 113.4°)

0.5	0.97	E(0°) E(CO)	44.1°	210 39
1.0	1.94	E(0°) E(CO)	44.1°	53 10
1.5	2.91	E(0°) E(CO)	44.1°	29 4
2.0	3.88	E(0°) E(CO)	44.1°	13 2
2.5	4.85	E(0°) E(CO)	44.1°	8 2
3.0	5.81	E(0°) E(CO)	44.1°	6 1

Cone diameter [m]

Illuminance [lx]

— CO - C180 (Half beam angle: 88.2°)

0.5	1.52	E(0°) E(C0)	56.7°	1694 140
1.0	3.04	E(0°) E(C0)	56.7°	423 35
1.5	4.57	E(0°) E(C0)	56.7°	188 16
2.0	6.09	E(0°) E(C0)	56.7°	106 9
2.5	7.61	E(0°) E(C0)	56.7°	66 6
3.0	9.13	E(0°) E(C0)	56.7°	47 4

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

— C0 - C180 (Half beam angle: 113.4°)

Distance [m]	Cone diameter [m]	$E(0^\circ)$ $E(C0)$	$E(0^\circ)$ $E(C0)$	$E(0^\circ)$ $E(C0)$
0.5	0.97	210 39	44.1°	
1.0	1.94	53 10	44.1°	
1.5	2.91	23 4	44.1°	
2.0	3.88	13 2	44.1°	
2.5	4.85	8 2	44.1°	
3.0	5.81	6 1	44.1°	

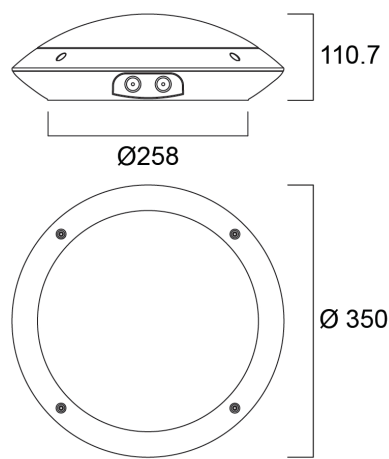
Cone diameter [m]

(Illuminance [lx])

— C0 - C180 (Half beam angle: 88.2°)

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Technical drawings



Data table

GENERAL DATA

Product name	START SURFACE IP66 1500LM 840 MW SENS EM3 IK10 WHT
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting
Environment	Indoor, Outdoor
General application	Hospitality
Operating temperature range (°C)	0°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	1500
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Luminaire efficacy (lm/W)	88
LOR (%)	100
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Adjustable chromaticity	N
Beam Angle (°)	120
Glare control	< 25
Photobiological Risk Group	RG0
Lumen maintenance at end of nominal life (%)	70
Luminous flux (emergency) (lm)	124
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	17
Mains voltage (V)	220-240V
Lamp power factor	1
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Control gear mounting	Integrated
Dimmable	Yes
Dimming method	Other
Drive current (mA)	350
Inrush Current (A)	45
Inrush Duration (µs)	32
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	45
Max. Luminaires per 13A C Breaker	58

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Max. Luminaires per 16A C Breaker	72
Max. Luminaires per 20A C Breaker	90
Max. Luminaires per 10A B Breaker	22
Max. Luminaires per 13A B Breaker	35
Max. Luminaires per 16A B Breaker	43
Max. Luminaires per 20A B Breaker	53

LIFETIME DATA

Lifespan L70 B50	50000
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PHYSICAL DATA

Housing colour	RAL9003
IP rating	IP66
IK rating	IK10
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	111
Nominal Product Diameter (mm)	350
Weight (kg)	1.3

PACKAGING

Single packaging type	Carton
Product EAN number	5410288490137
Packaging single length / height (cm)	40.0
Packaging single width (cm)	40.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05410288490137
Units per outer package	1
Packaging outer length / height (cm)	40.0
Packaging outer width (cm)	40.0
Packaging outer depth (cm)	11.0

SAFETY DATA



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Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No