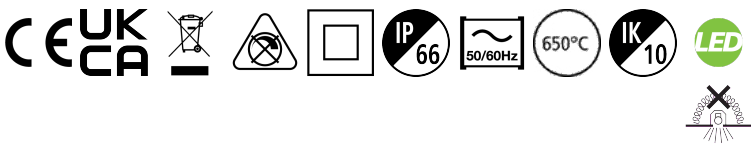


START Surface IP66 900-2950LM 840 IK10 BLK
0049295



Features

- LED exterior surface mounted luminaire, 350mm diameter, 2950lm as max. lumen output, can be adjusted down to 900lm by internal switch, max 24W power consumption, max 133lm/W efficacy, 4000K color temperature, CRI80, non-dimmable, IP66, IK10, 100,000 hours (L70B50) Lifespan, black housing, vandal resistant, supplied with anti-theft screws

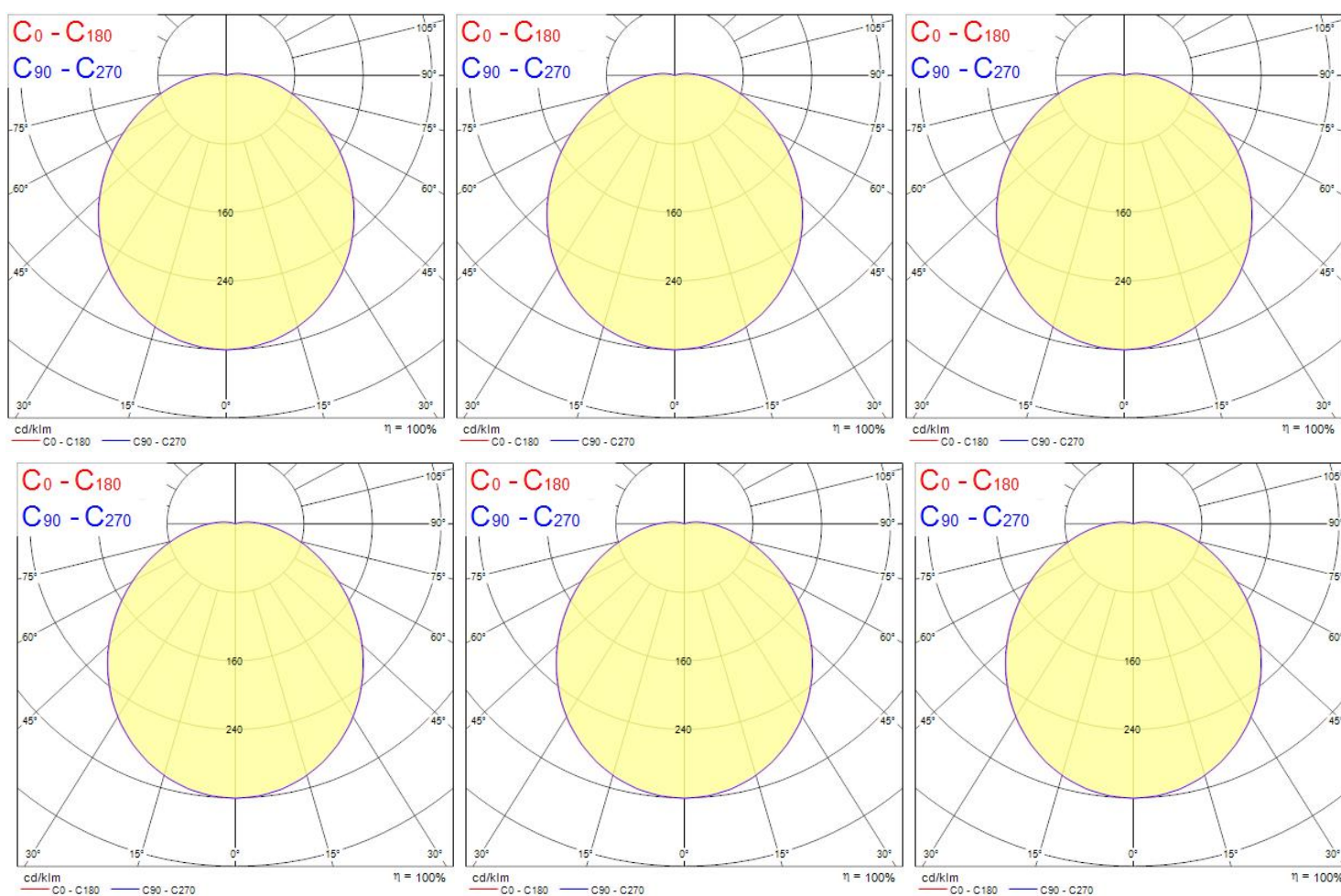
Product Overview

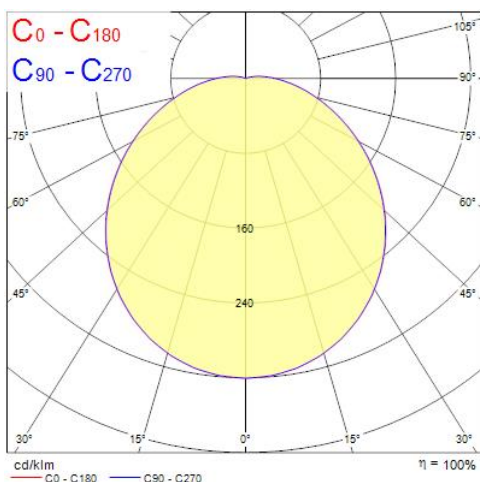
Product name	START Surface IP66 900-2950LM 840 IK10 BLK
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Wall surface mounted
Environment	Indoor, Outdoor
General application	Hospitality
ETIM Class	EC002892
E-number FI	4579596
Fixture luminous flux (lm)	2950
Luminaire efficacy (lm/W)	123
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Photobiological Risk Group	RG0
Total power consumption (W)	24
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No

START Surface IP66 900-2950LM 840 IK10 BLK 0049295

Housing colour	RAL9011
IP rating	IP66
IK rating	IK10
Product EAN number	5410288492957
Warranty	5 years
Dimming method	N/A

Photometry





Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	1154 102 100
0.5	1.48 1.49	55.9° 55.9° 56.1°	289 25 25
1.0	2.95 2.98	55.9° 55.9° 56.1°	128 11 11
1.5	4.43 4.46	55.9° 55.9° 56.1°	72 6 6
2.0	5.91 5.95	55.9° 55.9° 56.1°	46 4 4
2.5	7.38 7.44	55.9° 55.9° 56.1°	32 3 3
3.0	8.86 8.93	55.9° 55.9° 56.1°	25 2 2

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

— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

Distance [m]	Cone diameter [m]	E (0°) E (C90) E (C0)	1965 172 170
0.5	1.48 1.49	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°
1.0	2.95 2.99	E (0°) E (C90) E (C0)	489 43 42
1.5	4.43 4.46	E (0°) E (C90) E (C0)	217 19 19
2.0	5.91 5.95	E (0°) E (C90) E (C0)	122 11 11
2.5	7.38 7.44	E (0°) E (C90) E (C0)	73 7 7
3.0	8.86 8.93	E (0°) E (C90) E (C0)	54 6 5

Distance [m] Cone diameter [m]

— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

Illuminance [lx]

Distance [m]	Cone diameter [m]	E (0°) E (C90) E (C0)	2340 208 203
0.5	1.48 1.49	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°
1.0	2.95 2.98	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°
1.5	4.43 4.46	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°
2.0	5.91 5.95	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°
2.5	7.38 7.44	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°
3.0	8.86 8.93	E (0°) E (C90) E (C0)	55.9° 55.9° 56.1°

Distance [m] Cone diameter [m]

— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

Illuminance [lx]

Distance [m]	Cone diameter [m]	E [0°] E (C90) E (C0)	1530 136 134
0.5	1.48 1.49	55.9° 56.1°	385 34 33
1.0	2.95 2.98	55.9° 56.1°	171 15 15
1.5	4.43 4.46	55.9° 56.1°	96 8 8
2.0	5.91 5.95	55.9° 56.1°	62 5 5
2.5	7.38 7.44	55.9° 56.1°	43 4 4
3.0	8.86 8.93	55.9° 56.1°	

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

— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

Distance [m]	Cone diameter [m]	E ₁ (0°) E ₁ (C90) E ₁ (C0)	Illuminance [lx]
0.5	1.48 1.49	55.9° 3397 55.9° 299 56.1° 295	
1.0	2.95 2.95	55.9° 849 55.9° 75 56.1° 74	
1.5	4.43 4.46	55.9° 377 55.9° 33 56.1° 33	
2.0	5.91 5.95	55.9° 212 55.9° 19 56.1° 18	
2.5	7.38 7.44	55.9° 136 55.9° 12 56.1° 12	
3.0	8.86 8.93	55.9° 94 55.9° 9 56.1° 8	

Distance [m]	Cone diameter [m]	E _c (0°) E _c (C90) E _c (C0)	2692 237 234
0.5	1.48 1.49	E _c (0°) E _c (C90) E _c (C0)	55.9° 59 56.1°
1.0	2.95 2.98	E _c (0°) E _c (C90) E _c (C0)	55.9° 59 56
1.5	4.43 4.46	E _c (0°) E _c (C90) E _c (C0)	299 26 26
2.0	5.91 5.95	E _c (0°) E _c (C90) E _c (C0)	168 15 15
2.5	7.38 7.44	E _c (0°) E _c (C90) E _c (C0)	108 9 9
3.0	8.86 8.93	E _c (0°) E _c (C90) E _c (C0)	75 7 6

Illuminance [lx]

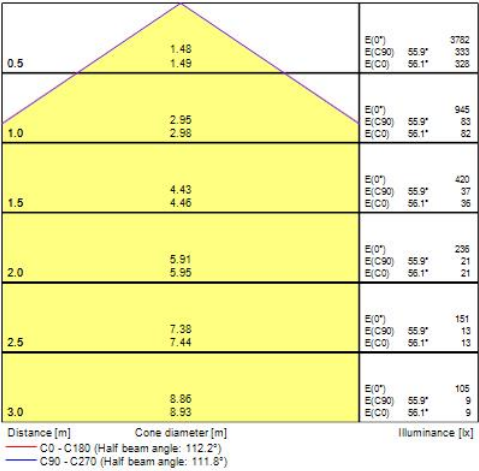
— C0 - C180 (Half beam angle: 112.2°)
 — C90 - C270 (Half beam angle: 111.8°)

Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	3077 271 267
0.5	1.48 1.49	55.9° 56.1°	769 65 67
1.0	2.95 2.98	55.9° 56.1°	342 30 30
1.5	4.43 4.46	55.9° 56.1°	192 17 17
2.0	5.91 5.95	55.9° 56.1°	123 11 11
2.5	7.38 7.44	55.9° 56.1°	85 8 7
3.0	8.86 8.93	55.9° 56.1°	

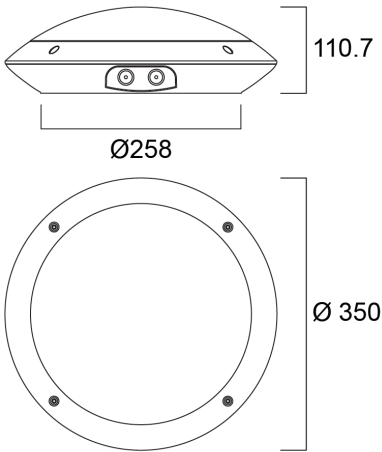
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.5°)

START Surface IP66 900-2950LM 840 IK10 BLK
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Technical drawings



Data table

GENERAL DATA

Product name	START Surface IP66 900-2950LM 840 IK10 BLK
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate

START Surface IP66 900-2950LM 840 IK10 BLK 0049295

Mount	Ceiling surface mounting, Wall surface mounted
Environment	Indoor, Outdoor
General application	Hospitality
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4579596
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	2950
Luminaire efficacy (lm/W)	123
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Distribution type	Diffuse, Symmetric
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	24
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	15
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>50000
Dimmable	No
Dimming method	N/A

START Surface IP66 900-2950LM 840 IK10 BLK 0049295

Inrush Current (A)	10
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	38
Max. products per 13A C Breaker	47
Max. products per 16A C Breaker	57
Max. products per 20A C Breaker	66
Max. products per 10A B Breaker	30
Max. products per 13A B Breaker	38
Max. products per 16A B Breaker	45
Connectable conductor cross section - Max (mm²)	2.5

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B50	100000
Lifespan L90 B50	71000

PHYSICAL DATA

Housing colour	RAL9011
IP rating	IP66
IK rating	IK10
Diffuser finish	Diffuse
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	111
Nominal Product Diameter (mm)	350
Weight (kg)	1.25

PACKAGING

Product EAN number	5410288492957
Packaging single length / height (cm)	35.0
Packaging single width (cm)	35.0
Packaging single depth (cm)	11.1



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DUN14 (inner)	15410288492954
Units per outer package	8
Packaging outer length / height (cm)	72.0
Packaging outer width (cm)	37.0
Packaging outer depth (cm)	49.0

SAFETY DATA

Glow Wire Test (°C)	650
Optimal operating condition (°C)	-20-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No