

START Surface IP66 860-2800LM 830 IK10 WHT
0049292



Features

- LED exterior surface mounted luminaire, 350mm diameter, 2800lm as max. lumen output, can be adjusted down to 860lm by internal switch, max 24W power consumption, max 128lm/W efficacy, 3000K color temperature, CRI80, non-dimmable, IP66, IK10, 100,000 hours (L70B50) Lifespan, white housing, vandal resistant, supplied with anti-theft screws

Product Overview

Product name	START Surface IP66 860-2800LM 830 IK10 WHT
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	4579593
Fixture luminous flux (lm)	2800
Luminaire efficacy (lm/W)	118
Colour temperature (K)	3000
Light colour	Warm 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
Housing colour	RAL 9003 - Signal white
IP rating	IP66

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IK rating

IK10

Product EAN number

5410288492926

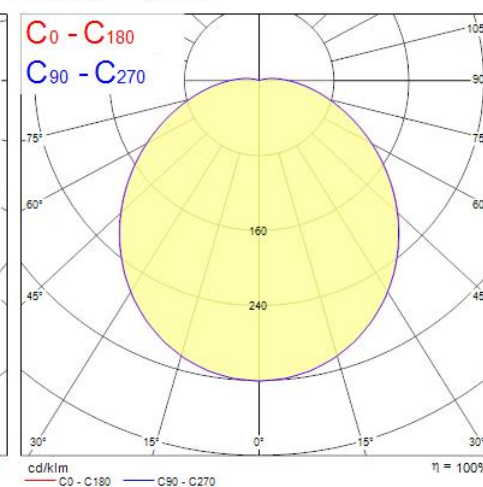
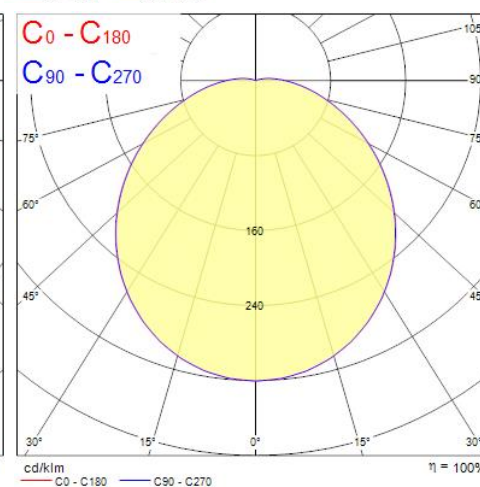
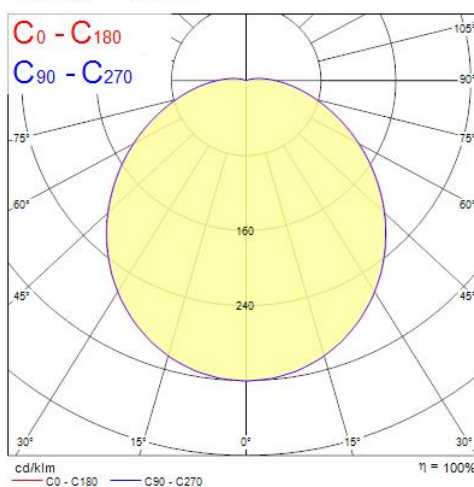
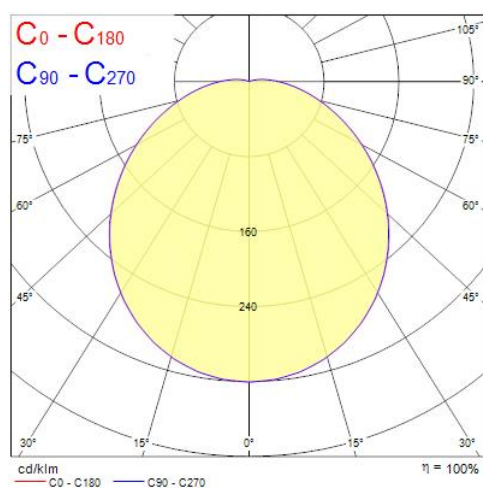
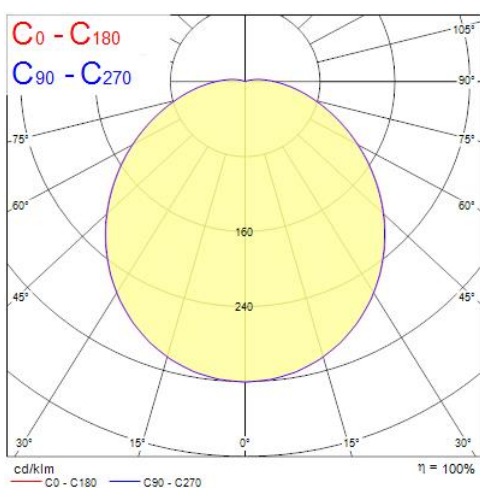
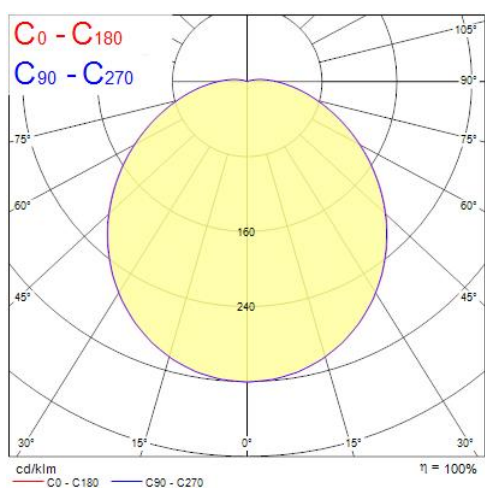
Warranty

5 years

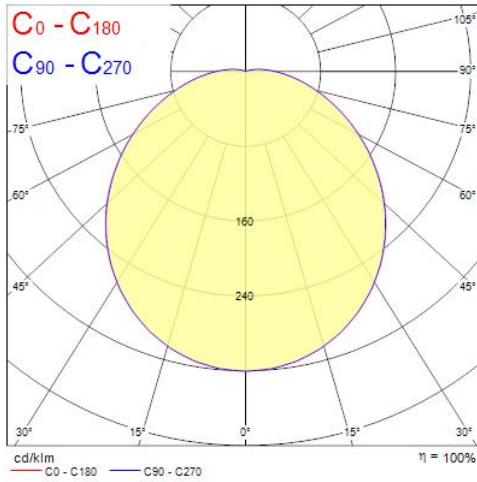
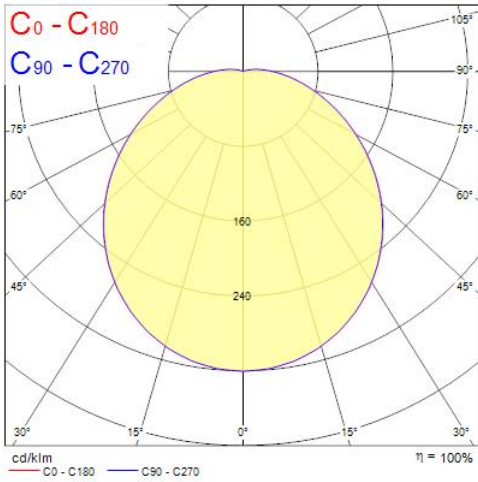
Dimming method

N/A

Photometry



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Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 1103 E(C90) 97 E(C0) 96
1.0	2.95 2.98	E(0°) 278 E(C90) 24 E(C0) 24
1.5	4.43 4.46	E(0°) 123 E(C90) 11 E(C0) 11
2.0	5.91 5.95	E(0°) 69 E(C90) 6 E(C0) 6
2.5	7.38 7.44	E(0°) 44 E(C90) 4 E(C0) 4
3.0	8.86 8.93	E(0°) 31 E(C90) 3 E(C0) 3

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]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 1474 E(C90) 130 E(C0) 128
1.0	2.95 2.98	E(0°) 369 E(C90) 32 E(C0) 32
1.5	4.43 4.46	E(0°) 164 E(C90) 14 E(C0) 14
2.0	5.91 5.95	E(0°) 92 E(C90) 8 E(C0) 8
2.5	7.38 7.44	E(0°) 59 E(C90) 5 E(C0) 5
3.0	8.86 8.93	E(0°) 41 E(C90) 4 E(C0) 4

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]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 1859 E(C90) 164 E(C0) 161
1.0	2.95 2.98	E(0°) 465 E(C90) 41 E(C0) 40
1.5	4.43 4.46	E(0°) 207 E(C90) 18 E(C0) 18
2.0	5.91 5.95	E(0°) 116 E(C90) 10 E(C0) 10
2.5	7.38 7.44	E(0°) 74 E(C90) 7 E(C0) 6
3.0	8.86 8.93	E(0°) 52 E(C90) 5 E(C0) 4

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]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 2211 E(C90) 195 E(C0) 192
1.0	2.95 2.98	E(0°) 553 E(C90) 49 E(C0) 48
1.5	4.43 4.46	E(0°) 246 E(C90) 22 E(C0) 21
2.0	5.91 5.95	E(0°) 138 E(C90) 12 E(C0) 12
2.5	7.38 7.44	E(0°) 83 E(C90) 8 E(C0) 8
3.0	8.86 8.93	E(0°) 61 E(C90) 6 E(C0) 6

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]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 2564 E(C90) 226 E(C0) 223
1.0	2.95 2.98	E(0°) 641 E(C90) 56 E(C0) 56
1.5	4.43 4.46	E(0°) 285 E(C90) 25 E(C0) 25
2.0	5.91 5.95	E(0°) 160 E(C90) 14 E(C0) 14
2.5	7.38 7.44	E(0°) 103 E(C90) 9 E(C0) 9
3.0	8.86 8.93	E(0°) 71 E(C90) 6 E(C0) 6

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

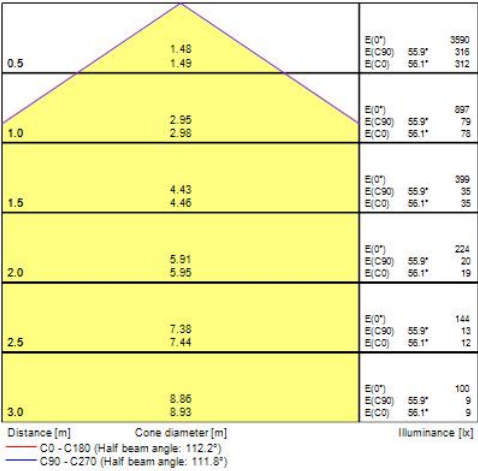
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 2949 E(C90) 260 E(C0) 256
1.0	2.95 2.98	E(0°) 737 E(C90) 65 E(C0) 64
1.5	4.43 4.46	E(0°) 328 E(C90) 29 E(C0) 28
2.0	5.91 5.95	E(0°) 194 E(C90) 16 E(C0) 16
2.5	7.38 7.44	E(0°) 118 E(C90) 10 E(C0) 10
3.0	8.86 8.93	E(0°) 82 E(C90) 7 E(C0) 7

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

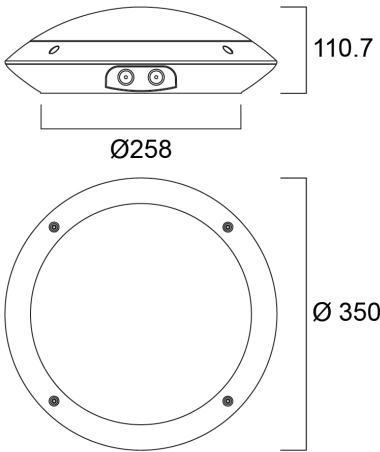
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	1.48 1.49	E(0°) 3269 E(C90) 286 E(C0) 284
1.0	2.95 2.98	E(0°) 817 E(C90) 72 E(C0) 71
1.5	4.43 4.46	E(0°) 363 E(C90) 32 E(C0) 32
2.0	5.91 5.95	E(0°) 204 E(C90) 18 E(C0) 18
2.5	7.38 7.44	E(0°) 131 E(C90) 12 E(C0) 11
3.0	8.86 8.93	E(0°) 91 E(C90) 8 E(C0) 8

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 112.2°)
— C90 - C270 (Half beam angle: 111.8°)

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Technical drawings



Data table

GENERAL DATA

Product name	START Surface IP66 860-2800LM 830 IK10 WHT
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate

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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	4579593
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	2800
Luminaire efficacy (lm/W)	118
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	5
Distribution type	Diffuse, Symmetric
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	24
Mains voltage (V)	220-240V
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
Inrush Current (A)	10

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Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	38
Max. Luminaires per 13A C Breaker	47
Max. Luminaires per 16A C Breaker	57
Max. Luminaires per 20A C Breaker	66
Max. Luminaires per 10A B Breaker	30
Max. Luminaires per 13A B Breaker	38
Max. Luminaires per 16A B Breaker	45

LIFETIME DATA

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

PHYSICAL DATA

Housing colour	RAL 9003 - Signal white
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

Single packaging type	Carton
Product EAN number	5410288492926
Packaging single length / height (cm)	35.0
Packaging single width (cm)	35.0
Packaging single depth (cm)	11.1
DUN14 (outer)	15410288492923



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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

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