

## Start Spot Aluminium IP44

START SPOT ALUMINIUM 740LM 830 IP44 WHT

0005170



### Product features

- Integrated LED recessed spotlight, vertical tilt 30°, white bezel colour, white replaceable reflector, 740lm (white reflector), 660lm (black reflector), 9.0W, dimmable trailing/leading edge, 3000K, 40° degree beam angle, polycarbonate and aluminium body, low profile 62mm recessed depth, IP44 from the front, IK03, loop-in/loop-out terminals for fast wiring, weight 0,165Kg, 85mm bezel diameter, 68-72mm cutout, clear lens. Additional black reflector included in the packaging.



### PRODUCT OVERVIEW

Product name	START SPOT ALUMINIUM 740LM 830 IP44 WHT
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Residential & Consumer
ETIM Class	EC001744
E-number FI	4278135
Warranty	3 years
Fixture luminous flux (lm)	740
Luminaire efficacy (lm/W)	82
Colour temperature (K)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	40
Photobiological Risk Group	RG1
Total power consumption (W)	9
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	10
LED Flickering Rate	Low (6% - 20%)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP44/20
IK rating	IK03
Product EAN number	5410288051703
Dimming method	Mains: leading / trailing edge

### DATA TABLE

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### General data

Product name	START SPOT ALUMINIUM 740LM 830 IP44 WHT
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Residential & Consumer
Operating temperature range (°C)	-10°C...+35°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number FI	4278135
Warranty	3 years

### Optical data

Fixture luminous flux (lm)	740
Luminaire efficacy (lm/W)	82
Colour temperature (K)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	40
Distribution type	Symmetric
Photobiological Risk Group	RG1

### Electrical data

Total power consumption (W)	9
Mains voltage (V)	220-240V
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	40
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	10
Drive current (mA)	165
Inrush Current (A)	10
Inrush Duration (µs)	150
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	F
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)
Max. Luminaires per 10A C Breaker	50
Max. Luminaires per 13A C Breaker	65
Max. Luminaires per 16A C Breaker	80
Max. Luminaires per 20A C Breaker	100
Max. Luminaires per 16A B Breaker	30

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### Lifetime data

Lifespan L70 B50	47000
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### Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP44/20
IK rating	IK03
Diffuser finish	Other
Diffuser material	None
Reflector finish	Matt
Nominal Product Length (mm)	86
Nominal Product Width (mm)	86
Nominal Product Height (mm)	64
Nominal Product Diameter (mm)	86
Cutout Dimensions (W x L in mm or Diameter in mm)	68-72
Weight (kg)	0.14
Recessed Depth (mm)	100

### Packaging

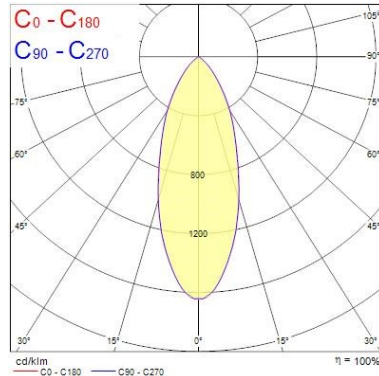
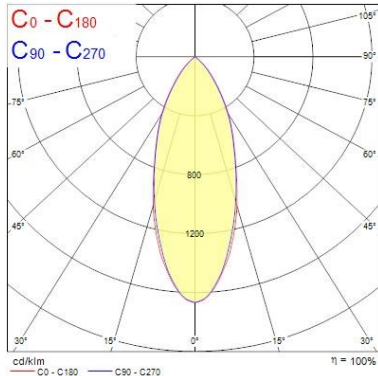
Single packaging type	Carton
Product EAN number	5410288051703
Packaging single length / height (cm)	10.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	8.5
DUN14 (inner)	25410288051707
Units per inner package	6
Packaging inner length / height (cm)	28.5
Packaging inner width (cm)	9.0
Packaging inner depth (cm)	19.0
DUN14 (outer)	15410288051700
Units per outer package	36
Packaging outer length / height (cm)	43.6
Packaging outer width (cm)	35.6
Packaging outer depth (cm)	29.3

### Safety data

Optimal operating condition (°C)	-10-35
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## PHOTOMETRY

## Start Spot Aluminium IP44 *START SPOT ALUMINIUM 740LM 830 IP44 WHT* 0005170



Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.35 0.36	4401 19.4° 1840	4401 1840
1.0	0.70 0.71	1100 19.4° 460	1100 460
1.5	1.05 1.07	489 19.4° 206	489 206
2.0	1.41 1.42	275 19.4° 116	275 116
2.5	1.76 1.78	176 19.4° 74	176 74
3.0	2.11 2.14	122 19.4° 51	122 51

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 38.2°)  
 — C90 - C270 (Half beam angle: 38.8°)

Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.34 0.35	4875 19.0° 2067	4875 2067
1.0	0.69 0.70	1219 19.0° 814	1219 814
1.5	1.03 1.04	542 19.0° 239	542 239
2.0	1.38 1.39	305 19.0° 139	305 139
2.5	1.72 1.74	196 19.0° 83	196 83
3.0	2.07 2.09	135 19.0° 57	135 57

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 38.4°)  
 — C90 - C270 (Half beam angle: 38.0°)

### TECHNICAL DRAWINGS

