

## Start Spot Aluminium IP65

START SPOT ALUMINIUM 660LM 830 IP65 BRA

0005176



### Product features

- Integrated LED recessed spotlight, brushed aluminium bezel finish, black reflector, 660lm, 9.0W, dimmable trailing/leading edge, 3000K, 40° degree beam angle, polycarbonate and aluminium body, low profile 62mm recessed depth, IP65 from the front, IK03, loop-in/loop-out terminals for fast wiring, weight 0,165Kg, 85mm bezel diameter, 68-72mm cutout, clear lens.



### PRODUCT OVERVIEW

Product name	START SPOT ALUMINIUM 660LM 830 IP65 BRA
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Residential & Consumer
ETIM Class	EC001744
Warranty	3 years
Fixture luminous flux (lm)	660
Luminaire efficacy (lm/W)	73
Colour temperature (K)	3000
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	Aluminium
IP rating	IP65/20
IK rating	IK03
Product EAN number	5410288051765

### DATA TABLE

#### General data

Product name	START SPOT ALUMINIUM 660LM 830 IP65 BRA
Technology	LED

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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
Warranty	3 years

### Optical data

Fixture luminous flux (lm)	660
Luminaire efficacy (lm/W)	73
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

### Lifetime data

Lifespan L70 B50	47000
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### Physical data

Housing colour	Aluminium
IP rating	IP65/20
IK rating	IK03
Diffuser finish	Other
Diffuser material	None
Reflector finish	Black
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

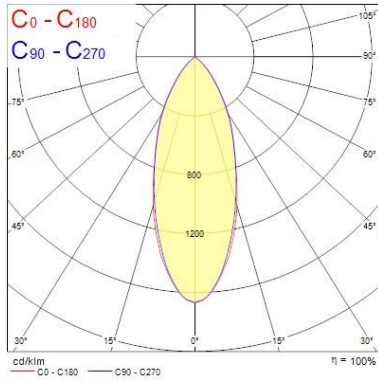
Single packaging type	Carton
Product EAN number	5410288051765
Packaging single length / height (cm)	10.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	8.5
DUN14 (inner)	25410288051769
Units per inner package	6
Packaging inner length / height (cm)	28.5
Packaging inner width (cm)	9.0
Packaging inner depth (cm)	19.0
DUN14 (outer)	15410288051762
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 IP65 *START SPOT ALUMINIUM 660LM 830 IP65 BRA* 0005176



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.35 0.36	E(0°) 4401 E(C90) 19.4° 1553 E(C0) 19.8° 1540
1.0	0.70 0.71	E(0°) 1100 E(C90) 19.4° 480 E(C0) 19.8° 480
1.5	1.06 1.07	E(0°) 489 E(C90) 19.4° 206 E(C0) 19.8° 204
2.0	1.41 1.42	E(0°) 275 E(C90) 19.4° 116 E(C0) 19.8° 115
2.5	1.76 1.78	E(0°) 176 E(C90) 19.4° 74 E(C0) 19.8° 74
3.0	2.11 2.14	E(0°) 122 E(C90) 19.4° 51 E(C0) 19.8° 51

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 39.2°)  
 — C90 - C270 (Half beam angle: 36.8°)

### TECHNICAL DRAWINGS

