

## START Downlight Eco165mm Round Surface

*START eco Downlight 165 950lm 840 Surface*  
0054106



### PRODUCT OVERVIEW

Product name	START eco Downlight 165 950lm 840 Surface
Technology	LED
Housing	PC Polycarbonate
Mount	Ceiling surface mounting
Warranty	3 years
Fixture luminous flux (lm)	950
Luminaire efficacy (lm/W)	79
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Glare control	< 28
Photobiological Risk Group	RG0
Total power consumption (W)	12
Electrical protection	Class II
LED Flickering Rate	Medium (21% - 40%)
Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK02
Product EAN number	5410288541068

### DATA TABLE

#### General data

Product name	START eco Downlight 165 950lm 840 Surface
Technology	LED
Housing	PC Polycarbonate
Mount	Ceiling surface mounting
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
Warranty	3 years

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### Optical data

Fixture luminous flux (lm)	950
Luminaire efficacy (lm/W)	79
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Glare control	< 28
Photobiological Risk Group	RG0

### Electrical data

Total power consumption (W)	12
Lamp power factor	0.5
Electrical protection	Class II
Drive current (mA)	85
Inrush Current (A)	9
Inrush Duration (µs)	180
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	F
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Medium (21% - 40%)
Max. products per 10A C Breaker	109
Max. products per 20A B Breaker	131

### Lifetime data

Lifespan L70 B50	30000
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### Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK02
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Diameter (mm)	165
Weight (kg)	0.22

### Packaging

Single packaging type	Carton
Product EAN number	5410288541068
Packaging single width (cm)	4.8
Packaging single depth (cm)	17.0
DUN14 (outer)	15410288541065
Packaging outer length / height (cm)	52.0

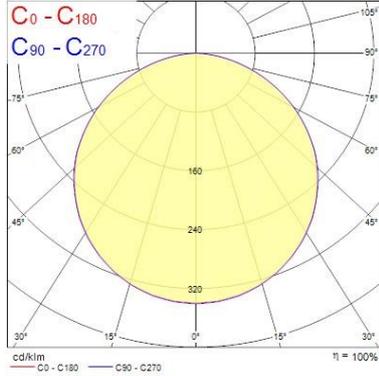
### Safety data

Optimal operating condition (°C)	-20-40
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### PHOTOMETRY



Distance [m]	Cone diameter [m]	E <sub>0°</sub> [lx]	E <sub>C90</sub> [lx]	E <sub>C0</sub> [lx]	Illuminance [lx]
0.5	1.56	129	57.3	101	
	1.56		57.4		
1.0	3.12	32	28	25	
	3.13		27.4		
1.5	4.67	14	11	11	
	4.69		27.4		
2.0	6.23	8	6	6	
	6.25		27.4		
2.5	7.79	5	4	4	
	7.82		27.4		
3.0	9.35	3	3	3	
	9.38		27.4		

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

— C0 - C180 (Half beam angle: 114.8°)  
— C90 - C270 (Half beam angle: 114.6°)

### TECHNICAL DRAWINGS

