

## START eco Downlight 145mm Round Recessed

START eco Downlight 145 950lm 840  
0053915



### Product features

- START eco Downlight is an integrated LED recessed downlight with built-in non dimmable driver; Loop in loop out connector allows for quick installation; 12W; 950Lm; 79Lm/W; 4000K.



### PRODUCT OVERVIEW

Product name	START eco Downlight 145 950lm 840
Technology	LED
Housing	PC Polycarbonate
Mount	Ceiling recessed mounting
General application	Retail
ETIM Class	EC001744
Warranty	3 years
Fixture luminous flux (lm)	950
Luminaire efficacy (lm/W)	79
Colour temperature (K)	4000
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Beam Angle (°)	110
Glare control	< 28
Photobiological Risk Group	RG0
Total power consumption (W)	12
Electrical protection	Class II
Dimmable	No
LED Flickering Rate	Medium (21% - 40%)
Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK02
Product EAN number	5410288539157

### DATA TABLE

#### General data

Product name	START eco Downlight 145 950lm 840
Technology	LED
Housing	PC Polycarbonate
Mount	Ceiling recessed mounting
General application	Retail
Operating temperature range (°C)	-20°C - 40°C

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Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	3 years

### Optical data

Fixture luminous flux (lm)	950
Luminaire efficacy (lm/W)	79
Colour temperature (K)	4000
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Beam Angle (°)	110
Distribution type	Symmetric
Glare control	< 28
Photobiological Risk Group	RG0

### Electrical data

Total power consumption (W)	12
Mains voltage (V)	220-240V
Lamp power factor	0.5
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	115.0
Electrical protection	Class II
Control gear required	No
Dimmable	No
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. Luminaires per 10A C Breaker	109
Max. Luminaires per 13A C Breaker	142
Max. Luminaires per 16A C Breaker	175
Max. Luminaires per 20A C Breaker	220
Max. Luminaires per 10A B Breaker	64
Max. Luminaires per 13A B Breaker	84
Max. Luminaires per 16A B Breaker	104
Max. Luminaires 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

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Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	165
Nominal Product Width (mm)	165
Nominal Product Height (mm)	38
Nominal Product Diameter (mm)	165
Cutout Dimensions (W x L in mm or Diameter in mm)	145
Weight (kg)	0.18

### Packaging

Single packaging type	Carton
Product EAN number	5410288539157
Packaging single length / height (cm)	19.6
Packaging single width (cm)	4.5
Packaging single depth (cm)	16.7
DUN14 (outer)	15410288539154
Units per outer package	12
Packaging outer length / height (cm)	36.0
Packaging outer width (cm)	21.6
Packaging outer depth (cm)	30.2

### Safety data

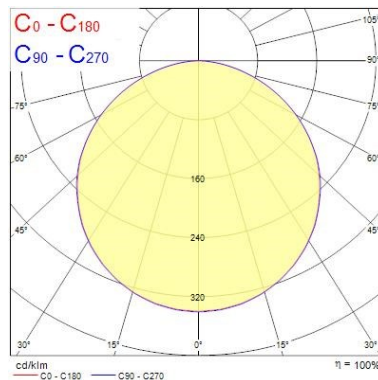
Optimal operating condition (°C)	-20-40
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## PHOTOMETRY

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.56	1597	87.3°	103	101
1.0	3.12	324	87.3°	28	25
1.5	4.67	144	87.3°	11	11
2.0	6.23	81	87.3°	6	6
2.5	7.79	52	87.3°	4	4
3.0	9.35	36	87.3°	3	3

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

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



## TECHNICAL DRAWINGS

