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Product name	START eco Downlight 145 950lm 830
Technology	LED
Housing	PC Polycarbonate
Mount	Ceiling recessed mounting

START eco Downlight 145mm Round Recessed

START eco Downlight 145 950lm 830

0053911

General application	Retail
Operating temperature range (°C)	-20°C...+40°C
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)	3000
Light colour	Warm White
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
Dimming method	N/A
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
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)	0.1

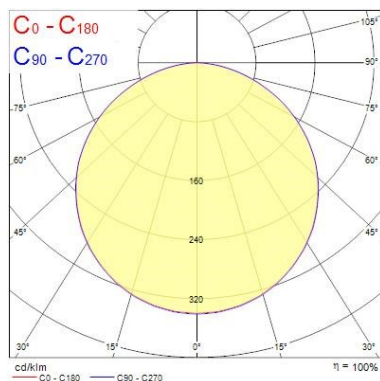
Packaging

Single packaging type	Carton
Product EAN number	5410288539119
Packaging single length / height (cm)	16.8
Packaging single width (cm)	4.5
Packaging single depth (cm)	17.0
DUN14 (outer)	15410288539116
Units per outer package	30
Packaging outer length / height (cm)	52.0
Packaging outer width (cm)	35.5
Packaging outer depth (cm)	25.0

Safety data

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



Distance [m]	Cone diameter [m]	E [lx]	E (C0)	E (C90)
0.5	1.56	1307	57.4"	102
1.0	3.13	327	57.4"	25
1.5	4.69	145	57.4"	11
2.0	6.25	82	57.4"	6
2.5	7.82	52	57.4"	4
3.0	9.38	35	57.4"	3

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 114.8°)

TECHNICAL DRAWINGS

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