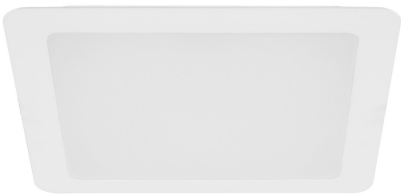
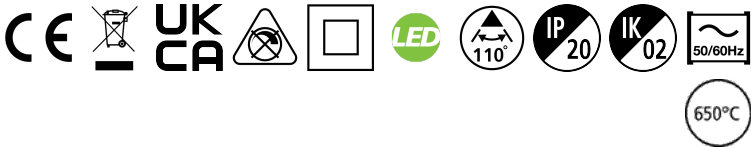


START Downlight Eco 195 Square 1650lm 840
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Features

- START Downlight Eco is an integrated LED recessed downlight with built-in non dimmable driver; Loop in loop out connector allows for quick installation; 15W; 1650Lm; 110Lm/W; 4000K.

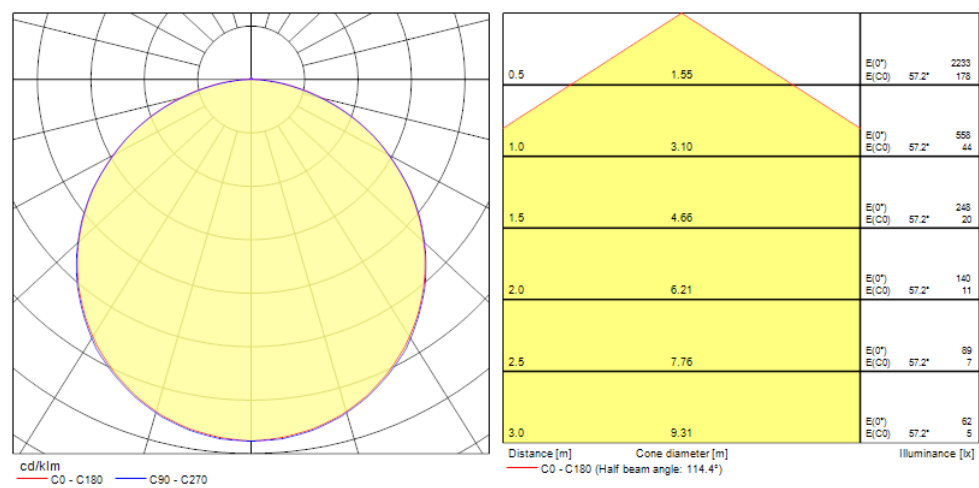
Product Overview

Product name	START Downlight Eco 195 Square 1650lm 840
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling recessed mounting
General application	Hospitality, Retail
ETIM Class	EC001744
Fixture luminous flux (lm)	1650
Luminaire efficacy (lm/W)	110
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	110
Glare control	< 28
Photobiological Risk Group	RG0
Total power consumption (W)	15
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No

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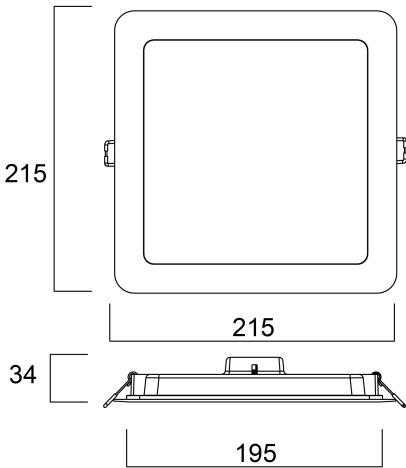
LED Flickering Rate	Medium (21% - 40%)
Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK02
Product EAN number	5410288551920
Warranty	3 years
Dimming method	N/A

Photometry



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Technical drawings



Data table

GENERAL DATA

Product name	START Downlight Eco 195 Square 1650lm 840
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling recessed mounting
General application	Hospitality, 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)	1650
Luminaire efficacy (lm/W)	110
Colour temperature (K)	4000

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Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	110
Distribution type	Symmetric
Glare control	< 28
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	15
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
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
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	156
Inrush Current (A)	12
Inrush Duration (µs)	200
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Medium (21% - 40%)
Max. products per 10A C Breaker	56
Max. products per 13A C Breaker	73
Max. products per 16A C Breaker	91
Max. products per 20A C Breaker	114
Max. products per 10A B Breaker	33
Max. products per 13A B Breaker	43
Max. products per 16A B Breaker	54

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Max. products per 20A B Breaker	68
Connectable conductor cross section - Min (mm ²)	0.75
Connectable conductor cross section - Max (mm ²)	1.5

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
Reflector finish	None
Nominal Product Length (mm)	215
Nominal Product Width (mm)	215
Nominal Product Height (mm)	34
Cutout Dimensions (W x L in mm or Diameter in mm)	195x195
Weight (kg)	0.2

PACKAGING

Single packaging type	Carton
Product EAN number	5410288551920
Packaging single length / height (cm)	24.6
Packaging single width (cm)	4.2
Packaging single depth (cm)	23.5
DUN14 (outer)	15410288551927
Units per outer package	16
Packaging outer length / height (cm)	50.5
Packaging outer width (cm)	48.0
Packaging outer depth (cm)	19.0



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SAFETY DATA

Optimal operating condition (°C)	-20-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No