

START Downlight IP20 220 Surface Mounted

START Downlight 220 2025lm 840 Surface

0030447



Product features

- Surface mounted LED downlight with diameter size of 220mm. Ideal replacement for 1x42W CFL downlights. The polycarbonate diffuser allows for a wider light distribution and increased spacings between luminaires. Loop in loop out connector allows for quick installation. Die-cast aluminium body, 2025LM, 4000K, Driver Current: 600mA, CRI80, Non-dimmable LED driver, IP20, IK07, (HxW) 94x220mm, Class 2, 220-240V. Meets TP(a) requirements.



PRODUCT OVERVIEW

Product name	START Downlight 220 2025lm 840 Surface
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality, Logistics & Industry, Office
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	2025
Luminous flux (lm)	2025
Luminaire efficacy (lm/W)	101
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	74
Glare control	< 25
Photobiological Risk Group	RG0
Total power consumption (W)	20
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK07
Product EAN number	5410288304472

DATA TABLE

General data

Product name	START Downlight 220 2025lm 840 Surface
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Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality, Logistics & Industry, Office
Operating temperature range (°C)	-10°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2025
Luminous flux (lm)	2025
Luminaire efficacy (lm/W)	101
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	74
Distribution type	Symmetric
Glare control	< 25
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	20
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>100000
Dimmable	No
Dimming method	N/A
Drive current (mA)	600
Inrush Current (A)	17.2
Inrush Duration (µs)	200
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	22
Max. products per 13A C Breaker	27
Max. products per 16A C Breaker	34
Max. products per 20A C Breaker	42

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Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	16
Max. products per 16A B Breaker	20
Max. products per 20A B Breaker	25
Connectable conductor cross section - Min (mm ²)	0.5
Connectable conductor cross section - Max (mm ²)	1.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	74000
Lifespan L90 B10	34000

Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Reflector finish	High-gloss
Nominal Product Height (mm)	95
Nominal Product Diameter (mm)	220
Weight (kg)	0.802

Packaging

Single packaging type	Carton
Product EAN number	5410288304472
Packaging single length / height (cm)	22.0
Packaging single width (cm)	22.0
Packaging single depth (cm)	10.3
DUN14 (outer)	15410288304479
Units per outer package	8
Packaging outer length / height (cm)	45.5
Packaging outer width (cm)	23.5
Packaging outer depth (cm)	43.0

Safety data

Optimal operating condition (°C)	-10-25
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PHOTOMETRY

START Downlight IP20 220 Surface Mounted

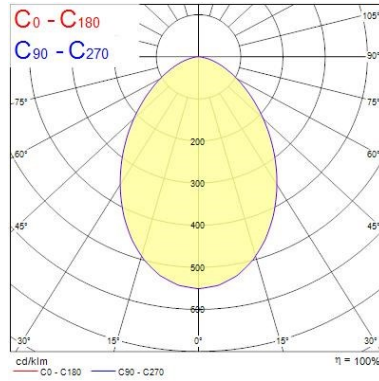
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0.5	0.82	E(0°) E(C0)	39.5°	4479 1030
1.0	1.65	E(0°) E(C0)	39.5°	1120 269
1.5	2.47	E(0°) E(C0)	39.5°	498 114
2.0	3.30	E(0°) E(C0)	39.5°	280 64
2.5	4.12	E(0°) E(C0)	39.5°	179 41
3.0	4.95	E(0°) E(C0)	39.5°	124 29

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

— C0 - C180 (Half beam angle: 79.0°)



TECHNICAL DRAWINGS

