

Features

- Insaver Slim is a ceiling recessed LED downlight (IP54 from the front), Die-cast aluminium body, loop in loop out connector for quick installation, Non dimmable LED driver, 13W; 1600lm; 123lm/W; 4000K; UGR <19 with shallow product depth 60mm. Meets TP(a) requirements.

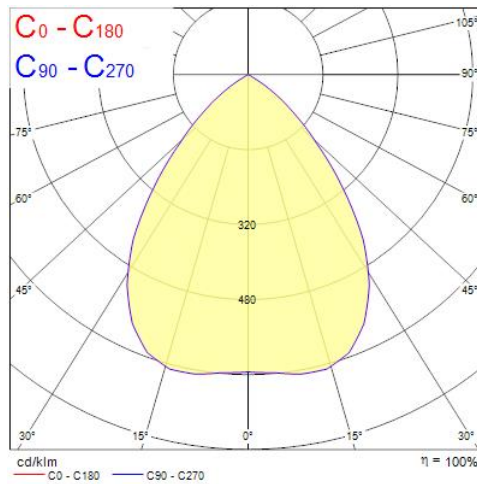
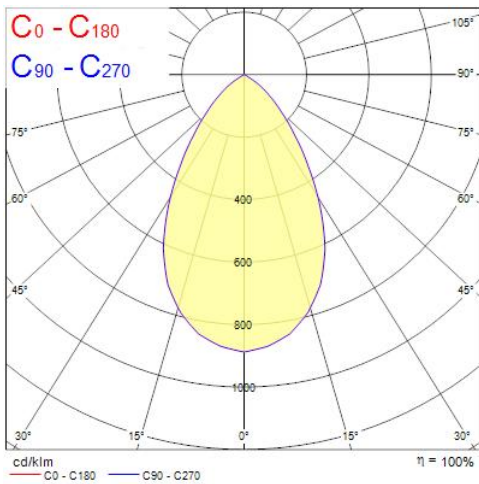
Product Overview

Product name	Insaver Slim UGR19 175 IP54 1600lm 840
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
E-number FI	4276917
Fixture luminous flux (lm)	1600
Luminaire efficacy (lm/W)	123
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	60
Beam Angle (°)	NA
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	13
Electrical protection	Class II

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Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9003
IP rating	IP44/20
IK rating	IK07
Product EAN number	5410288303031
Warranty	5 years
Dimming method	N/A

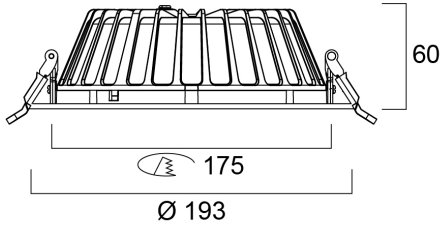
Photometry



0.5	0.62	E(0°) E(C0)	31.6°	5678 1781
1.0	1.23	E(0°) E(C0)	31.6°	1420 440
1.5	1.85	E(0°) E(C0)	31.6°	631 196
2.0	2.46	E(0°) E(C0)	31.6°	355 110
2.5	3.08	E(0°) E(C0)	31.6°	227 70
3.0	3.69	E(0°) E(C0)	31.6°	153 49

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 63.2°)

Technical drawings



Data table

GENERAL DATA

Product name	Insaver Slim UGR19 175 IP54 1600lm 840
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
Operating temperature range (°C)	-10°C...+40°C
Performance ambient temperature Tq (°C)	40
ETIM Class	EC001744
E-number FI	4276917
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	1600
Luminaire efficacy (lm/W)	123

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Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	60
Beam Angle (°)	NA
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	13
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) \leq xx.x %	20
Electrical protection	Class II
Control gear required	Yes
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>100000
Dimmable	No
Dimming method	N/A
Drive current (mA)	390
Inrush Current (A)	17.5
Inrush Duration (μ s)	188
Energy Efficiency Class (A->G) of contained light source	D
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)	0.8
Connectable conductor cross section - Max (mm ²)	1.8

LIFETIME DATA

Lifespan L70 B50	90000
Lifespan L80 B20	90000
Lifespan L90 B10	39000

PHYSICAL DATA

Housing colour	RAL9003
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Not Applicable
Nominal Product Height (mm)	60
Nominal Product Diameter (mm)	193
Built-in diameter (mm)	175
Weight (kg)	0.55
Recessed Depth (mm)	150

PACKAGING

Product EAN number	5410288303031
Packaging single length / height (cm)	20.5
Packaging single width (cm)	20.5
Packaging single depth (cm)	7.3
DUN14 (inner)	15410288303038
Units per outer package	16

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Packaging outer length / height (cm)	42.5
Packaging outer width (cm)	42.5
Packaging outer depth (cm)	31.0

SAFETY DATA

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-10-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No