

INSAVER SLIM 220 SURFACE MOUNTED

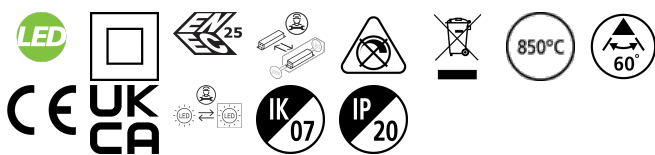
Insaver Slim UGR19 220 2300lm 830 Surface

0030318



Product features

- Insaver Slim is a surface mounted LED downlight ,Die-cast aluminium body, loop in loop out connector for quick installation, Non dimmable LED driver, 20W; 2300lm; 115lm/W; 3000K; UGR <19 with height of 95 mm.



PRODUCT OVERVIEW

Product name	Insaver Slim UGR19 220 2300lm 830 Surface
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
E-number FI	4278057
Warranty	5 years
Fixture luminous flux (lm)	2300
Luminaire efficacy (lm/W)	115
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	60
Beam Angle (°)	NA
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	20
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK07
Product EAN number	5410288303185
Dimming method	N/A

DATA TABLE

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General data

Product name	Insaver Slim UGR19 220 2300lm 830 Surface
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface 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	4278057
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2300
Luminaire efficacy (lm/W)	115
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	60
Beam Angle (°)	NA
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	20
Mains voltage (V)	220-240V
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 type	LED driver constant current
No. Of switching cycles before premature failures	>100000
Dimmable	No
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	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	20
Max. Luminaires per 13A C Breaker	26
Max. Luminaires per 16A C Breaker	32
Max. Luminaires per 20A C Breaker	40

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Max. Luminaires per 10A B Breaker	12
Max. Luminaires per 13A B Breaker	15
Max. Luminaires per 16A B Breaker	19
Max. Luminaires per 20A B Breaker	24

Lifetime data

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

Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Silver
Nominal Product Length (mm)	220
Nominal Product Width (mm)	220
Nominal Product Height (mm)	94
Nominal Product Diameter (mm)	220
Weight (kg)	1.65

Packaging

Single packaging type	Carton
Product EAN number	5410288303185
Packaging single length / height (cm)	22.6
Packaging single width (cm)	22.6
Packaging single depth (cm)	10.3
DUN14 (outer)	15410288303182
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

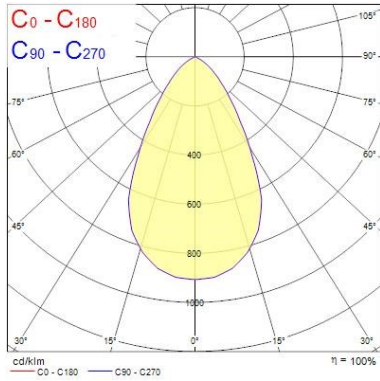
Optimal operating condition (°C)	-10-40
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PHOTOMETRY

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Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	Beam diameter [m]	Illuminance [lx]
0.5	0.58	8405	2709	30.3°		
1.0	1.17	2101	671	30.3°		
1.5	1.75	934	301	30.3°		
2.0	2.34	525	169	30.3°		
2.5	2.92	336	108	30.3°		
3.0	3.51	233	76	30.3°		

Distance [m] Cone diameter [m] Illuminance [lx]
 C0 - C180 (Half beam angle: 60.6°)

TECHNICAL DRAWINGS

