

Insaver LED II 150 Surface Mounted

Insaver LED II 150 High Output WW EB Surface

3098174



Product features

- Surface mounted circular LED downlight with up to 114lm/W efficacy and 2,400 luminaire lumen output. 208mm height (299mm with E3 unit) with a 188mm diameter. IP44 or UGR<19 compliant with additional accessories. 3 hour emergency and recessed versions available.



PRODUCT OVERVIEW

Product name	Insaver LED II 150 High Output WW EB Surface
Technology	LED
Mount	Ceiling surface mounting
Environment	Internal
General application	Office
ETIM Class	EC001744
E-number FI	4271360
E-number SE	7464719
Warranty	5 years
Fixture luminous flux (lm)	2088
Luminaire efficacy (lm/W)	95
LOR (%)	100
Colour temperature (K)	3000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Beam Angle (°)	76
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	22
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	No
Dimming method	N/A
Housing colour	White
IP rating	IP23
IK rating	IK02
Product EAN number	8711971981749

DATA TABLE

General data

Product name	Insaver LED II 150 High Output WW EB Surface
Technology	LED

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Mount	Ceiling surface mounting
Environment	Internal
General application	Office
Operating temperature range (°C)	0°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number FI	4271360
E-number SE	7464719
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2088
Luminaire efficacy (lm/W)	95
LOR (%)	100
Colour temperature (K)	3000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Beam Angle (°)	76
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	22
Mains voltage (V)	220-240V
Electrical protection	Class I
Control gear type	Electronic ballast
Transformer required	Yes
Dimmable	No
Dimming method	N/A
Drive current (mA)	900
Inrush Current (A)	20
Inrush Duration (µs)	100
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	33
Max. Luminaires per 13A C Breaker	45
Max. Luminaires per 16A C Breaker	55
Max. Luminaires per 20A C Breaker	70
Max. Luminaires per 10A B Breaker	35
Max. Luminaires per 13A B Breaker	45
Max. Luminaires per 16A B Breaker	55
Max. Luminaires per 20A B Breaker	70

Lifetime data

Lifespan L70 B50	100000
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Lifespan L80 B20	100000
Lifespan L90 B10	46000

Physical data

Housing colour	White
IP rating	IP23
IK rating	IK02
Reflector finish	High-gloss
Nominal Product Length (mm)	198
Nominal Product Width (mm)	198
Nominal Product Height (mm)	208
Weight (kg)	1.255

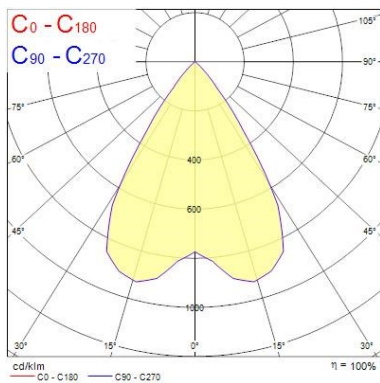
Packaging

Single packaging type	Carton
Product EAN number	8711971981749
Packaging single length / height (cm)	32.0
Packaging single width (cm)	22.0
Packaging single depth (cm)	22.0
DUN14 (outer)	08711971981749
Units per outer package	1
Packaging outer length / height (cm)	32.0
Packaging outer width (cm)	22.0
Packaging outer depth (cm)	22.0

Safety data

Optimal operating condition (°C)	0-25
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E _v (0°) E _v (C0)	33.1°	Illuminance [lx]
0.5	0.65	5814	2069	
1.0	1.30	1454	517	
1.5	1.96	646	230	
2.0	2.61	360	130	
2.5	3.26	233	83	
3.0	3.91	162	57	

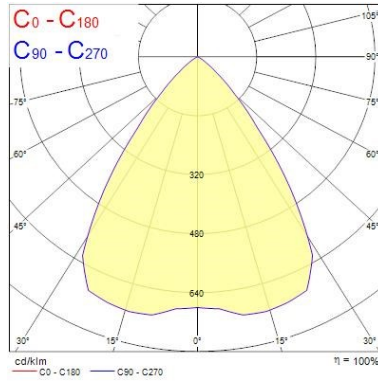
Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 66.2°) Illuminance [lx]

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0.5	0.76	E(0°) E(C0)	37.1°	6962 1532
1.0	1.51	E(0°) E(C0)	37.1°	1421 383
1.5	2.27	E(0°) E(C0)	37.1°	631 170
2.0	3.03	E(0°) E(C0)	37.1°	356 96
2.5	3.78	E(0°) E(C0)	37.1°	227 61
3.0	4.54	E(0°) E(C0)	37.1°	158 43

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

— C0 - C180 (Half beam angle: 74.2°)



TECHNICAL DRAWINGS

