

Insaver LED II 150

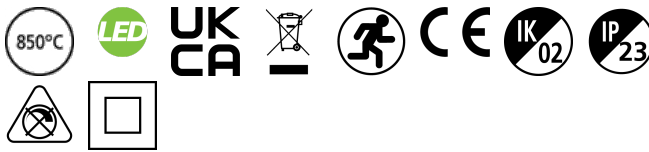
Insaver LED II 150 High Output NW EB E3

3098123



Product features

- Circular LED downlight with up to 114lm/W efficacy and 2,400 luminaire lumen output. Innovative easy installation system allows for a rapid, single point installation. For 150mm cut outs. IP44 or UGR<19 compliant with additional accessories. 3 hour emergency and surface mounted versions available. Plus3 version includes Wieland GST connector.



PRODUCT OVERVIEW

Product name	Insaver LED II 150 High Output NW EB E3
Technology	LED
Housing	AGC (advanced graphite composite)
Mount	Ceiling recessed mounting
Environment	Internal
General application	Office
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	2400
Luminaire efficacy (lm/W)	109
LOR (%)	100
Colour temperature (K)	4000
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 II
Control gear type	Electronic ballast
Dimmable	No
Housing colour	White
IP rating	IP23
IK rating	IK02
Product EAN number	8711971981237

DATA TABLE

General data

Product name	Insaver LED II 150 High Output NW EB E3
Technology	LED
Housing	AGC (advanced graphite composite)
Mount	Ceiling recessed mounting

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Environment	Internal
General application	Office
Operating temperature range (°C)	0°C - 25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2400
Luminaire efficacy (lm/W)	109
LOR (%)	100
Colour temperature (K)	4000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Beam Angle (°)	76
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1
Emergency duration (h)	3

Electrical data

Total power consumption (W)	22
Mains voltage (V)	220-240V~
Electrical protection	Class II
Control gear type	Electronic ballast
Transformer required	Yes
Dimmable	No
Drive current (mA)	900
Inrush Current (A)	45
Inrush Duration (µs)	20
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	50
Max. Luminaires per 13A C Breaker	65
Max. Luminaires per 16A C Breaker	80
Max. Luminaires per 20A C Breaker	100
Max. Luminaires per 10A B Breaker	30
Max. Luminaires per 13A B Breaker	39
Max. Luminaires per 16A B Breaker	48
Max. Luminaires per 20A B Breaker	60

Lifetime data

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

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Physical data

Housing colour	White
IP rating	IP23
IK rating	IK02
Reflector finish	High-gloss
Nominal Product Length (mm)	169
Nominal Product Width (mm)	169
Nominal Product Height (mm)	87
Cutout Dimensions (W x L in mm or Diameter in mm)	150
Weight (kg)	1.372

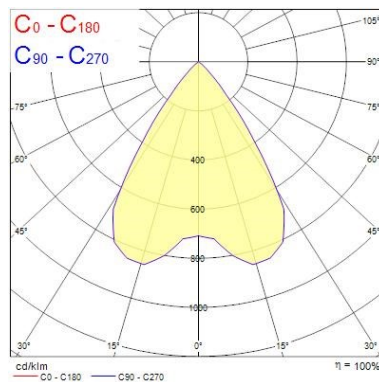
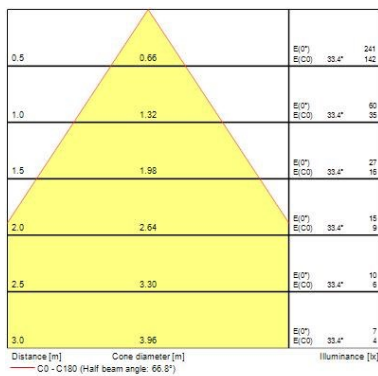
Packaging

Single packaging type	Carton
Product EAN number	8711971981237
Packaging single length / height (cm)	32.1
Packaging single width (cm)	23.9
Packaging single depth (cm)	19.7
DUN14 (outer)	08711971981237
Units per outer package	1
Packaging outer length / height (cm)	32.1
Packaging outer width (cm)	23.9
Packaging outer depth (cm)	19.7

Safety data

Optimal operating condition (°C)	0-25
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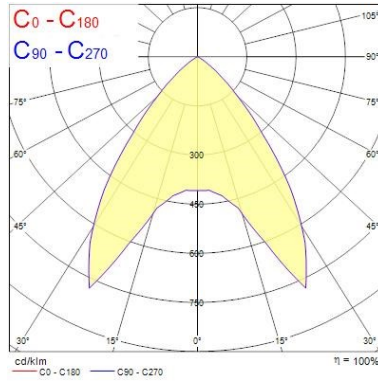
PHOTOMETRY



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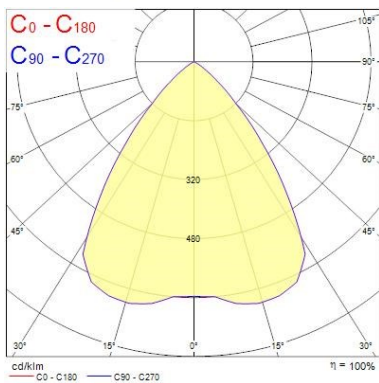
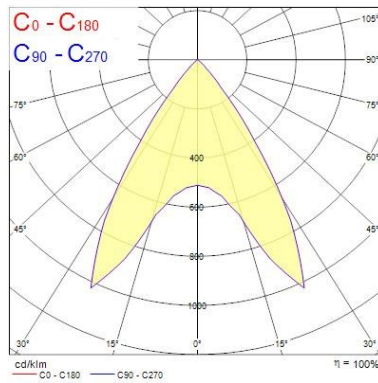
0.5	0.00	E(0°) E(C0)	0.0°	214	214
1.0	0.00	E(0°) E(C0)	0.0°	54	54
1.5	0.00	E(0°) E(C0)	0.0°	24	24
2.0	0.00	E(0°) E(C0)	0.0°	13	13
2.5	0.00	E(0°) E(C0)	0.0°	9	9
3.0	0.00	E(0°) E(C0)	0.0°	6	6

Distance [m] Cone diameter [m]
 C0 - C180 (Half beam angle: 0.0°) Illuminance [lx]



0.5	0.68	E(0°) E(C0)	34.4°	6122	2092
1.0	1.37	E(0°) E(C0)	34.4°	1530	623
1.5	2.05	E(0°) E(C0)	34.4°	650	232
2.0	2.74	E(0°) E(C0)	34.4°	383	131
2.5	3.42	E(0°) E(C0)	34.4°	245	84
3.0	4.11	E(0°) E(C0)	34.4°	170	58

Distance [m] Cone diameter [m]
 C0 - C180 (Half beam angle: 68.8°) Illuminance [lx]



0.5	0.79	E(0°) E(C0)	38.3°	6110	1575
1.0	1.58	E(0°) E(C0)	38.3°	1527	394
1.5	2.37	E(0°) E(C0)	38.3°	679	175
2.0	3.16	E(0°) E(C0)	38.3°	362	90
2.5	3.95	E(0°) E(C0)	38.3°	244	63
3.0	4.74	E(0°) E(C0)	38.3°	170	44

Distance [m] Cone diameter [m]
 C0 - C180 (Half beam angle: 76.6°) Illuminance [lx]

TECHNICAL DRAWINGS

