

Insaver LED II 150

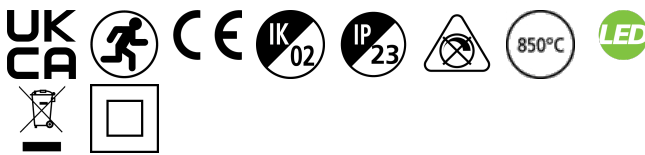
Insaver LED II 150 High Output WW EB E3

3098122



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 WW 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)	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 II
Control gear type	Electronic ballast
Dimmable	No
Housing colour	White
IP rating	IP23
IK rating	IK02
Product EAN number	8711971981220

DATA TABLE

General data

Product name	Insaver LED II 150 High Output WW 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)	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
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)	1.368

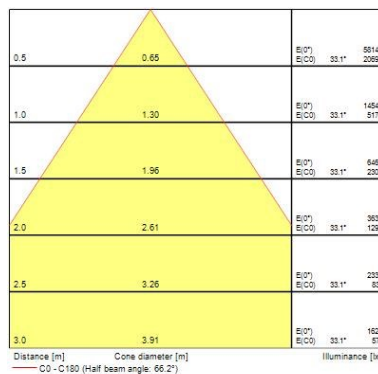
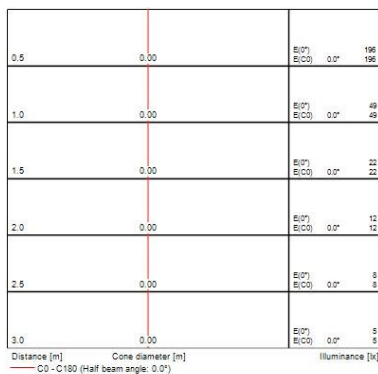
Packaging

Single packaging type	Carton
Product EAN number	8711971981220
Packaging single length / height (cm)	31.9
Packaging single width (cm)	23.6
Packaging single depth (cm)	19.9
DUN14 (outer)	08711971981220
Units per outer package	1
Packaging outer length / height (cm)	31.9
Packaging outer width (cm)	23.6
Packaging outer depth (cm)	19.9

Safety data

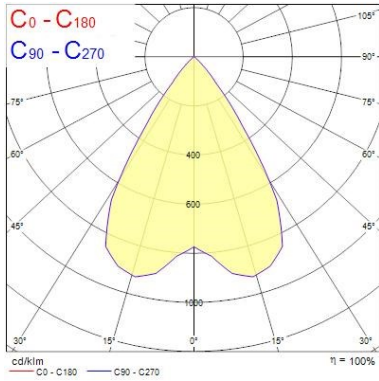
Optimal operating condition (°C)	0-25
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PHOTOMETRY



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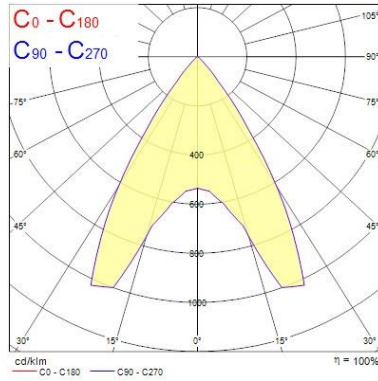


Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(90°) E(C90)
0.5	0.64	222	127
1.0	1.29	86	52
1.5	1.93	38	23
2.0	2.58	14	9
2.5	3.22	9	5
3.0	3.87	6	4

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 65.6°)

cd/klm — C0 - C180 — C90 - C270

$\Phi = 11000$

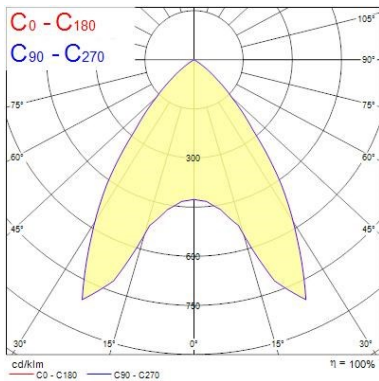


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2.5	3.22	9	5
3.0	3.87	6	4

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 74.2°)

cd/klm — C0 - C180 — C90 - C270

$\Phi = 11000$



Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(90°) E(C90)
0.5	0.76	5632	1522
1.0	1.51	1421	383
1.5	2.27	631	170
2.0	3.03	306	96
2.5	3.78	217	61
3.0	4.54	158	43

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 74.2°)

cd/klm — C0 - C180 — C90 - C270

$\Phi = 11000$

TECHNICAL DRAWINGS

