

Insaver LED II 150

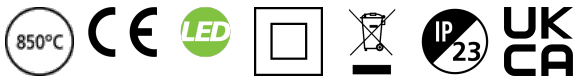
Insaver LED II 150 Low Output WW EB Plus3

3098188



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 (175>200mm adapter available). IP44 or UGR<19 compliant with additional accessories. 3 hour emergency and surface mounted versions available. Plus3 version includes GST Wieland connectors.



PRODUCT OVERVIEW

Product name	Insaver LED II 150 Low Output WW EB Plus3
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)	1650
Luminaire efficacy (lm/W)	97
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)	17
Electrical protection	Class II
Control gear type	Electronic ballast
Housing colour	White
IP rating	IP23
Product EAN number	8711971981886

DATA TABLE

General data

Product name	Insaver LED II 150 Low Output WW EB Plus3
Technology	LED
Housing	AGC (advanced graphite composite)
Mount	Ceiling recessed mounting
Environment	Internal
General application	Office
Operating temperature range (°C)	0°C - 25°C
ETIM Class	EC001744

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3098188

Warranty	5 years
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Optical data

Fixture luminous flux (lm)	1650
Luminaire efficacy (lm/W)	97
LOR (%)	100
Colour temperature (K)	3000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Beam Angle (°)	76
Distribution type	Symmetric, Direct
Glare control	< 19
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	17
Mains voltage (V)	220-240V~
Electrical protection	Class II
Control gear type	Electronic ballast
Transformer required	Yes
Drive current (mA)	700
Inrush Current (A)	45
Inrush Duration (µs)	20
Glow Wire Test (°C)	850
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

Physical data

Housing colour	White
IP rating	IP23
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)	0.688

Packaging

Single packaging type	Carton
Product EAN number	8711971981886
Packaging single length / height (cm)	25.6

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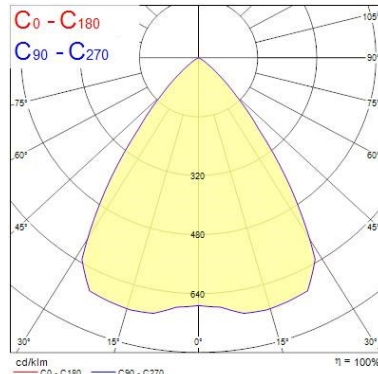
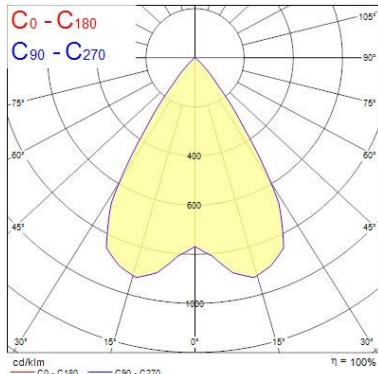
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3098188

Packaging single width (cm)	23.0
Packaging single depth (cm)	11.7
DUN14 (outer)	08711971981886
Units per outer package	1
Packaging outer length / height (cm)	25.6
Packaging outer width (cm)	23.0
Packaging outer depth (cm)	11.7

Safety data

Optimal operating condition (°C)	0-25
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PHOTOMETRY



0.5	0.77	E _{0°} E _{1°} E _{2°}	980 967 956
1.0	1.54	E _{0°} E _{1°} E _{2°}	917 248
1.5	2.31	E _{0°} E _{1°} E _{2°}	407 109
2.0	3.08	E _{0°} E _{1°} E _{2°}	229 62
2.5	3.85	E _{0°} E _{1°} E _{2°}	147 39
3.0	4.62	E _{0°} E _{1°} E _{2°}	102 27
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 75.2°)			

0.5	0.77	E _{0°} E _{1°} E _{2°}	3804 3771 3991
1.0	1.55	E _{0°} E _{1°} E _{2°}	961 248
1.5	2.32	E _{0°} E _{1°} E _{2°}	423 110
2.0	3.09	E _{0°} E _{1°} E _{2°}	238 62
2.5	3.86	E _{0°} E _{1°} E _{2°}	152 40
3.0	4.64	E _{0°} E _{1°} E _{2°}	106 28
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 75.4°)			

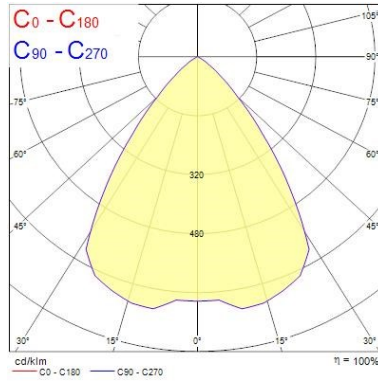
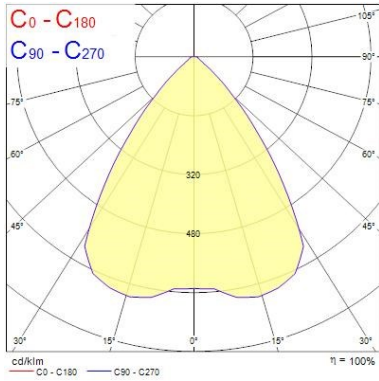
0.5	0.76	E _{0°} E _{1°} E _{2°}	4438 1179
1.0	1.52	E _{0°} E _{1°} E _{2°}	1109 296
1.5	2.29	E _{0°} E _{1°} E _{2°}	480 121
2.0	3.05	E _{0°} E _{1°} E _{2°}	277 74
2.5	3.81	E _{0°} E _{1°} E _{2°}	178 47
3.0	4.57	E _{0°} E _{1°} E _{2°}	123 33
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 74.6°)			

0.5	0.65	E _{0°} E _{1°} E _{2°}	4582 1613
1.0	1.31	E _{0°} E _{1°} E _{2°}	1141 403
1.5	1.96	E _{0°} E _{1°} E _{2°}	807 179
2.0	2.62	E _{0°} E _{1°} E _{2°}	288 151
2.5	3.27	E _{0°} E _{1°} E _{2°}	182 86
3.0	3.93	E _{0°} E _{1°} E _{2°}	127 48
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 66.4°)			

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TECHNICAL DRAWINGS

