



Features

- IP44 from the front round LED downlight with outputs of up to 2,289lm and an efficacy of up to 99lm/W. Polycarbonate diffuser with a white bezel. Shallow recess depth (<65mm). Available in 12, 15, 21 & 25W in 150mm, 175mm, 205mm & 225mm cut out sizes. Perfect for up to 2x26W CFL replacement. Includes loop-in loop-out facility for quick installation.

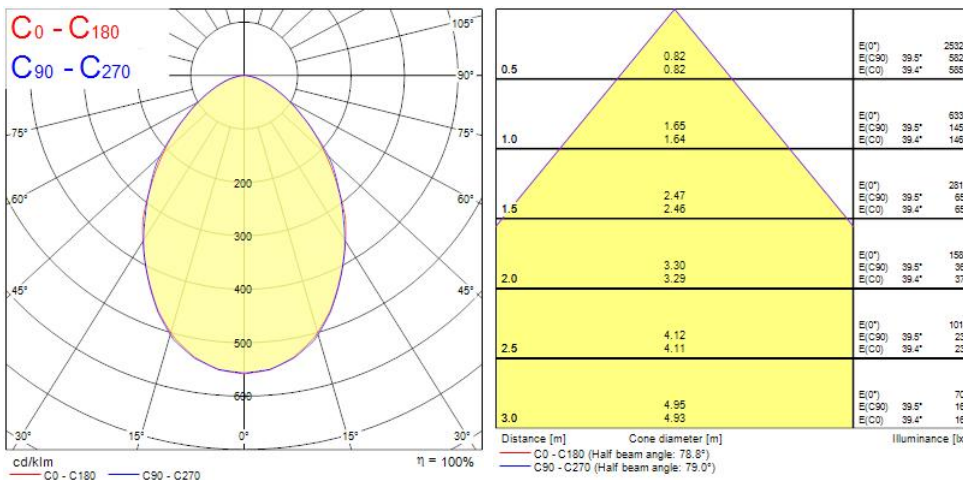
Product Overview

Product name	Insaver HO Topper LED II 150 RO 12W NW
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
E-number SE	7465687
Fixture luminous flux (lm)	1134
Luminaire efficacy (lm/W)	95
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 25
Photobiological Risk Group	RG0
Total power consumption (W)	12
Electrical protection	Class II
Control gear type	LED driver constant current
LED Flickering Rate	Ultra low (5% or less)

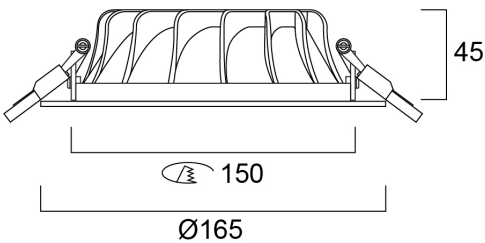
Insaver HO Topper LED II 150 RO 12W NW 3033931

Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Product EAN number	8711971339311
Warranty	5 years

Photometry



Technical drawings



Data table

GENERAL DATA

Product name	Insaver HO Topper LED II 150 RO 12W NW
Technology	LED

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Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
Operating temperature range (°C)	-10°C...+25°C
Performance ambient temperature Tq (°C)	25
E-number SE	7465687
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	1134
Luminaire efficacy (lm/W)	95
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Adjustable chromaticity	N
Glare control	< 25
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	12
Primary Supply/Product voltage - min (V)	220
Lamp power factor	0.9
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	290
Inrush Current (A)	6.3
Inrush Duration (µs)	830
Glow Wire Test (°C)	850

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Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	12

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B20	74000
Lifespan L90 B10	34000

PHYSICAL DATA

Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Diameter (mm)	165
Weight (kg)	0.429
Recessed Depth (mm)	150

PACKAGING

Single packaging type	Carton
Product EAN number	8711971339311
Packaging single width (cm)	19.5
Packaging single depth (cm)	6.2
DUN14 (outer)	18711971339318
Packaging outer length / height (cm)	42.1

SAFETY DATA

Optimal operating condition (°C)	-10-25
Special purpose lamp	No
Dry applications use only	No

Lumiance

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Suitable for household illumination

No