

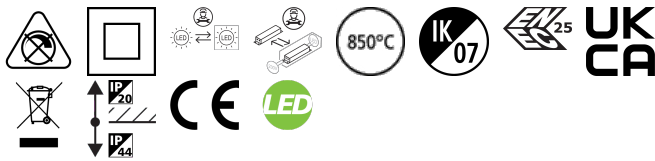
Insaver HO Topper LED II 205

Insaver HO Topper LED II 205 RO 21W NW
3033943



Product 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 205 RO 21W NW
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
General application	Hospitality
ETIM Class	EC001744
E-number SE	7465649
Warranty	5 years
Fixture luminous flux (lm)	1989
Luminaire efficacy (lm/W)	95
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	74
Glare control	< 24
Photobiological Risk Group	RG0
Total power consumption (W)	21
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Product EAN number	8711971339434
Dimming method	N/A

DATA TABLE

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General data

Product name	Insaver HO Topper LED II 205 RO 21W NW
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
General application	Hospitality
Operating temperature range (°C)	-10°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number SE	7465649
Warranty	5 years

Optical data

Fixture luminous flux (lm)	1989
Luminaire efficacy (lm/W)	95
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Adjustable chromaticity	N
Beam Angle (°)	74
Distribution type	Symmetric
Glare control	< 24
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	21
Mains voltage (V)	220-240V
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class II
Control gear type	LED driver constant current
Transformer required	Yes
Dimmable	No
Drive current (mA)	600
Inrush Current (A)	6.44
Inrush Duration (µs)	830
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	12
Max. Luminaires per 13A C Breaker	15
Max. Luminaires per 16A C Breaker	19
Max. Luminaires per 20A C Breaker	25

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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
Reflector finish	High-gloss
Nominal Product Length (mm)	220
Nominal Product Width (mm)	220
Nominal Product Height (mm)	60
Nominal Product Diameter (mm)	220
Cutout Dimensions (W x L in mm or Diameter in mm)	205
Weight (kg)	0.753
Recessed Depth (mm)	150

Packaging

Single packaging type	Carton
Product EAN number	8711971339434
Packaging single length / height (cm)	25.3
Packaging single width (cm)	25.2
Packaging single depth (cm)	7.1
DUN14 (outer)	08711971339434
Units per outer package	12
Packaging outer length / height (cm)	53.0
Packaging outer width (cm)	53.2
Packaging outer depth (cm)	23.7

Safety data

Optimal operating condition (°C)	-10-25
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PHOTOMETRY

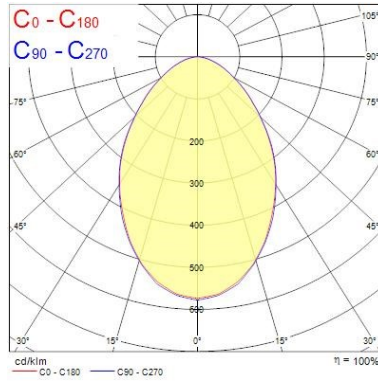
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0.5	0.79 0.78	E(0°) E(C90) E(C0)	488 1118 1114
1.0	1.57 1.57	E(0°) E(C90) E(C0)	1141 279 239
1.5	2.36 2.35	E(0°) E(C90) E(C0)	507 124 124
2.0	3.15 3.14	E(0°) E(C90) E(C0)	288 70 70
2.5	3.93 3.92	E(0°) E(C90) E(C0)	193 46 46
3.0	4.72 4.70	E(0°) E(C90) E(C0)	127 31 31

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

— C0 - C180 (Half beam angle: 76.2°)
— C90 - C270 (Half beam angle: 76.4°)



TECHNICAL DRAWINGS

