

Features

• Insaver is a ceiling recessed LED downlight (IP54 from the front), Die-cast aluminium body, loop in loop out connector for quick installation, Non dimmable LED driver, 4000K; UGR <19 with shallow product depth 60mm. The range features a multipower functionality where the luminous flux of the luminaire can be tailored to local needs by only setting a quick selector switch on the driver (5.7W 770lm, 7.5W 1030lm, 9.5W 1315lm, 11.5W 1560lm, 13W 1800lm, 15.5W 2060lm, 17.5W 2300lm, 19W 2500lm). Meets TP(a) requirements.

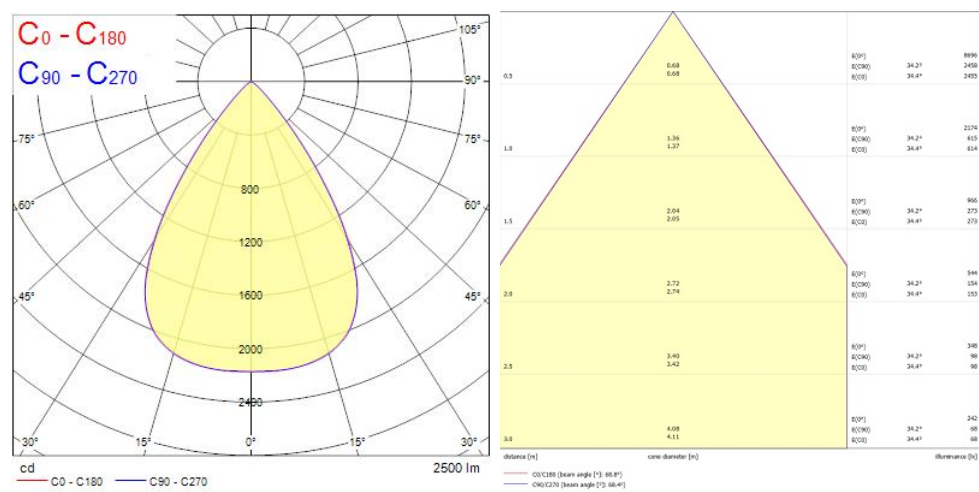
Product Overview

Product name	Insaver U19 IP54 225 770-2500 840 Multi
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
E-number FI	4278539
Fixture luminous flux (lm)	2500
Luminaire efficacy (lm/W)	132
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	70
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	19
Electrical protection	Class II

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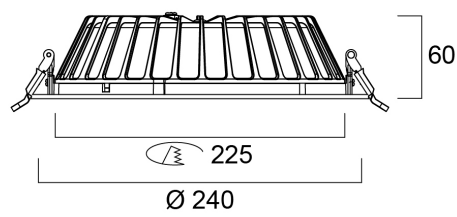
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9010
IP rating	IP54/20
IK rating	IK07
Product EAN number	5410288305493
Warranty	5 years
Dimming method	N/A

Photometry



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Technical drawings



Data table

GENERAL DATA

Product name	Insaver U19 IP54 225 770-2500 840 Multi
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
Operating temperature range (°C)	-20°C...+40°C
ETIM Class	EC001744
E-number FI	4278539
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	2500
Luminaire efficacy (lm/W)	132
Correlated colour temperature (k)	4000
Light colour	Neutral White

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CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	70
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	19
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	5.0
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	500
Inrush Current (A)	10
Inrush Duration (µs)	100
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	32
Max. products per 16A C Breaker	51
Max. products per 16A B Breaker	51
Connectable conductor cross section - Min (mm²)	0.75
Connectable conductor cross section - Max (mm²)	1.5

LIFETIME DATA

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Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	100000
Lifespan L80 B20	88000
Lifespan L80 B10	80000
Lifespan L90 B50	50000
Lifespan L90 B20	43000
Lifespan L90 B10	39000

PHYSICAL DATA

Housing colour	RAL9010
IP rating	IP54/20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Not Applicable
Nominal Product Height (mm)	60
Nominal Product Diameter (mm)	240
Built-in diameter (mm)	225
Weight (kg)	0.83

PACKAGING

Product EAN number	5410288305493
Packaging single length / height (cm)	25.5
Packaging single width (cm)	25.5
Packaging single depth (cm)	8.0
DUN14 (inner)	15410288305490
Units per outer package	12
Packaging outer length / height (cm)	52.5
Packaging outer width (cm)	52.5
Packaging outer depth (cm)	26.0

SAFETY DATA



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Glow Wire Test (°C)	850
Optimal operating condition (°C)	-20-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No