



Features

• Insaвер is a ceiling recessed LED downlight (IP54 from the front), Die-cast aluminium body, loop in loop out connector for quick installation, Dimmable DALI driver of TRIDONIC (LCA 17W 250–700mA one4all SR PRE 28000670), 13W; 1650lm; 127lm/W; 3000K; UGR <19 with shallow product depth 60mm. Meets TP(a) requirements.

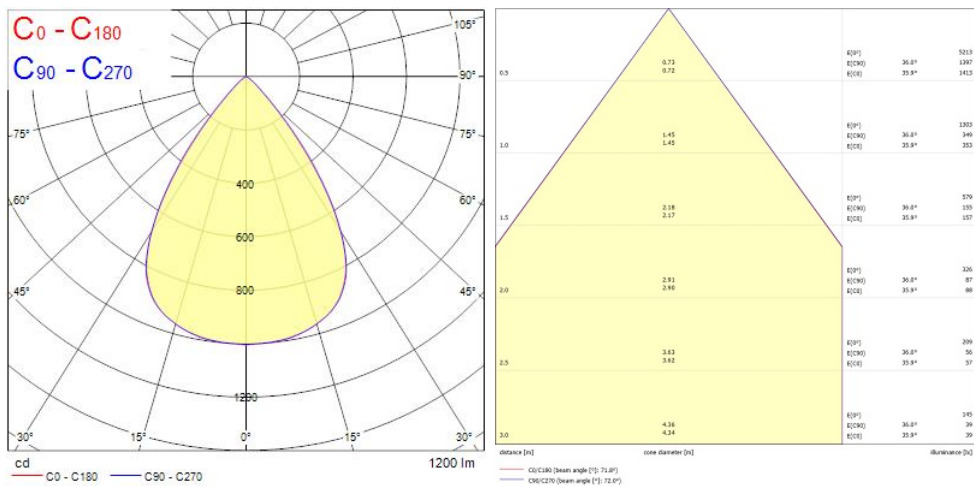
Product Overview

Product name	INSAVER U19 IP54 175 1650LM 830 DALI
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
E-number FI	4278515
Fixture luminous flux (lm)	1650
Luminaire efficacy (lm/W)	127
Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	70
Beam Angle (°)	NA
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	13
Electrical protection	Class II

INSAVER U19 IP54 175 1650LM 830 DALI
0030536

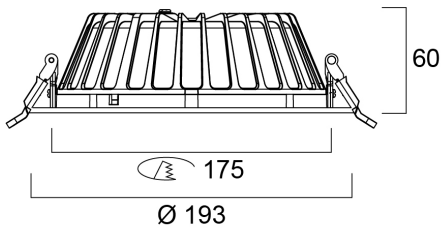
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	1
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9010
IP rating	IP44/20
IK rating	IK07
Product EAN number	5410288305363
Warranty	5 years
Dimming method	DALI-2, Switch-dim (mains-rated)
Colour Code	830

Photometry



INSAVER U19 IP54 175 1650LM 830 DALI
0030536

Technical drawings



Data table

GENERAL DATA

Product name	INSAVER U19 IP54 175 1650LM 830 DALI
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
Performance ambient temperature Tq (°C)	40
ETIM Class	EC001744
E-number FI	4278515
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	1650
Luminaire efficacy (lm/W)	127

INSAVER U19 IP54 175 1650LM 830 DALI 0030536

Correlated colour temperature (k)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	70
Beam Angle (°)	NA
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	13
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.97
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	9
Electrical protection	Class II
Control gear required	Yes
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2, Switch-dim (mains-rated)
Minimum dimming level (%)	1
Drive current (mA)	390
Inrush Current (A)	18
Inrush Duration (µs)	140
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	36
Max. products per 13A C Breaker	50
Max. products per 16A C Breaker	60
Max. products per 20A C Breaker	76

INSAVER U19 IP54 175 1650LM 830 DALI 0030536

Max. products per 10A B Breaker	22
Max. products per 13A B Breaker	30
Max. products per 16A B Breaker	36
Max. products per 20A B Breaker	46
Connectable conductor cross section - Min (mm ²)	0.5
Connectable conductor cross section - Max (mm ²)	2.5

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L70 B20	90000
Lifespan L70 B10	90000
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	IP44/20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Not Applicable
Nominal Product Height (mm)	60
Nominal Product Diameter (mm)	195
Built-in diameter (mm)	175
Weight (kg)	0.55
Recessed Depth (mm)	150

PACKAGING



INSAVER U19 IP54 175 1650LM 830 DALI
0030536

Product EAN number	5410288305363
Packaging single length / height (cm)	20.5
Packaging single width (cm)	20.5
Packaging single depth (cm)	7.3
DUN14 (inner)	15410288305360
Units per outer package	16
Packaging outer length / height (cm)	42.5
Packaging outer width (cm)	42.5
Packaging outer depth (cm)	31.0

SAFETY DATA

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