

INSAVER SLIM 205/225 MULTIPOWER
Insaver Slim U19 IP44 205 Multipower 650-2000lm840
0030453



Product features

- Insaver Slim is a ceiling recessed LED downlight (IP44 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. 8 steps available with adjustable lumen output of 650 - 2000lm at 4000K. Meets TP(a) requirements.



PRODUCT OVERVIEW

Product name	Insaver Slim U19 IP44 205 Multipower 650-2000lm840
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
E-number FI	4278487
Warranty	5 years
Fixture luminous flux (lm)	2000
Luminaire efficacy (lm/W)	121
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	60
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	16.5
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Product EAN number	5410288304533

DATA TABLE

General data

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Product name	Insaver Slim U19 IP44 205 Multipower 650-2000lm840
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
Operating temperature range (°C)	-10°C...+40°C
Performance ambient temperature Tq (°C)	40
ETIM Class	EC001744
E-number FI	4278487
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2000
Luminaire efficacy (lm/W)	121
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	60
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	16.5
Mains voltage (V)	220-240V
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	15.0
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>100000
Transformer required	No
Dimmable	No
Dimming method	N/A
Drive current (mA)	500
Inrush Current (A)	10
Inrush Duration (µs)	100
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	38
Max. Luminaires per 13A C Breaker	47
Max. Luminaires per 16A C Breaker	57

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Max. Luminaires per 20A C Breaker 66

Lifetime data

Lifespan L70 B50	90000
Lifespan L80 B20	90000
Lifespan L90 B10	39000

Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Silver
Nominal Product Height (mm)	60
Nominal Product Diameter (mm)	220
Cutout Dimensions (W x L in mm or Diameter in mm)	205
Weight (kg)	0.73

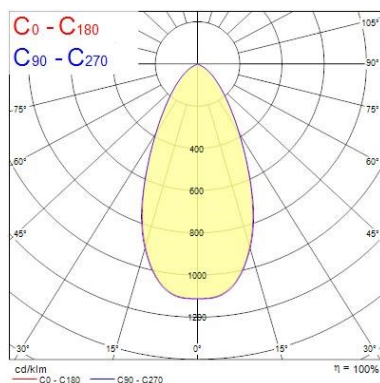
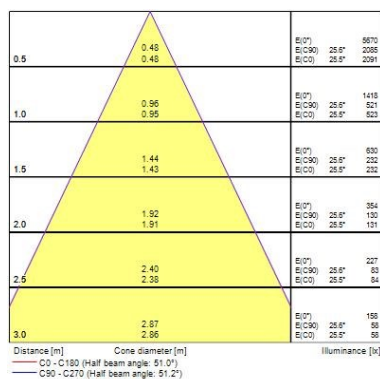
Packaging

Single packaging type	Carton
Product EAN number	5410288304533
Packaging single length / height (cm)	23.2
Packaging single width (cm)	23.2
Packaging single depth (cm)	8.0
DUN14 (outer)	15410288304530
Units per outer package	12
Packaging outer length / height (cm)	48.0
Packaging outer width (cm)	48.0
Packaging outer depth (cm)	26.0

Safety data

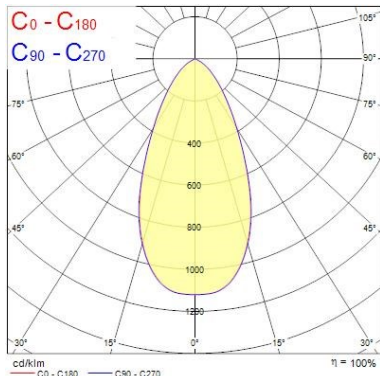
Optimal operating condition (°C)	-10-40
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PHOTOMETRY



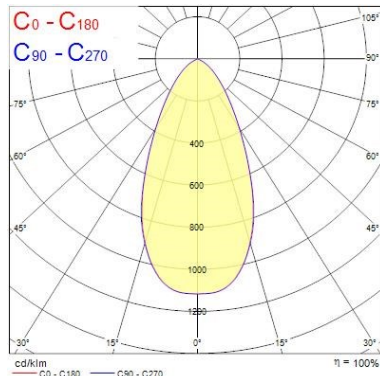
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Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.48 0.48	5514 2395
1.0	0.96 0.96	1328 599
1.5	1.44 1.43	724 268
2.0	1.92 1.91	407 150
2.5	2.40 2.38	261 96
3.0	2.87 2.86	181 67

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 51.0°)
C90 - C270 (Half beam angle: 51.2°)

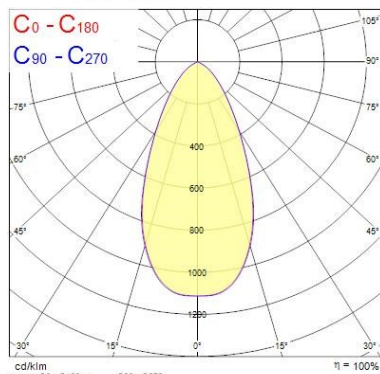


Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.48 0.48	7483 2742
1.0	0.96 0.95	1883 686
1.5	1.44 1.43	828 305
2.0	1.92 1.91	466 171
2.5	2.40 2.38	296 110
3.0	2.87 2.86	207 75

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 51.0°)
C90 - C270 (Half beam angle: 51.2°)

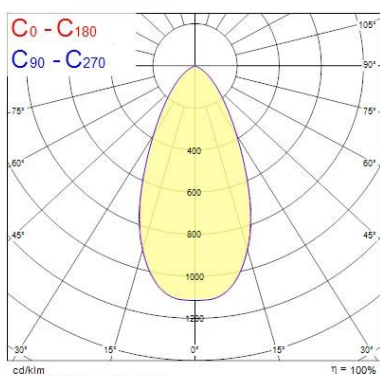
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.48 0.48	9039 3324
1.0	0.96 0.95	2260 831
1.5	1.44 1.43	1004 369
2.0	1.92 1.91	565 208
2.5	2.40 2.38	362 133
3.0	2.87 2.86	251 92

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 51.0°)
C90 - C270 (Half beam angle: 51.2°)



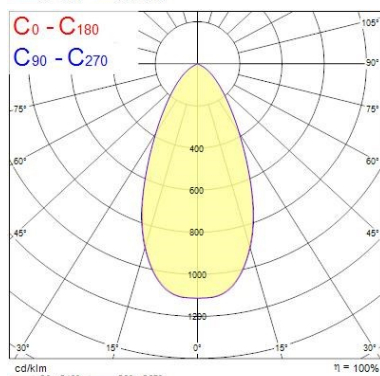
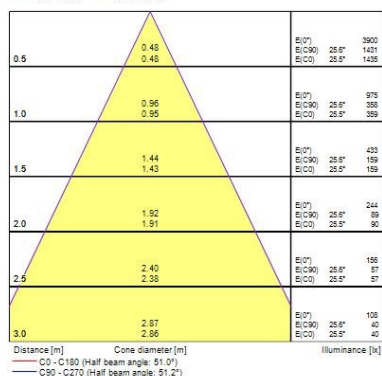
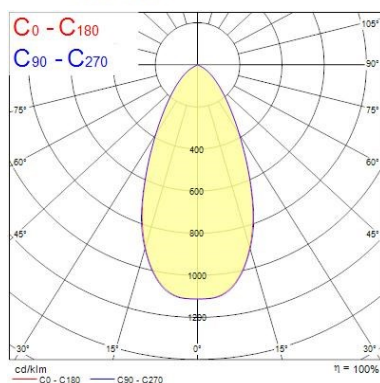
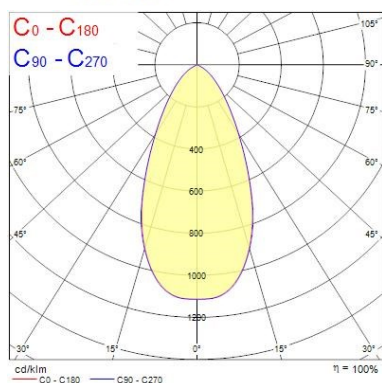
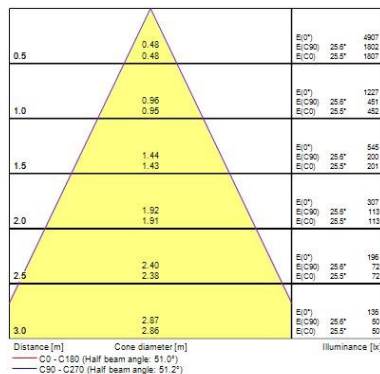
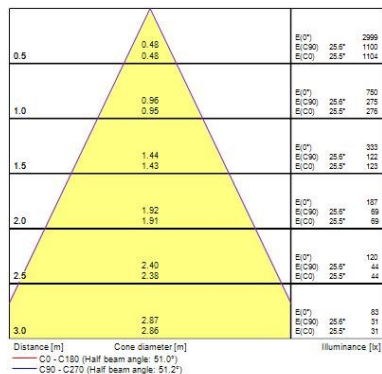
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.48 0.48	8265 3036
1.0	0.96 0.95	2064 759
1.5	1.44 1.43	917 337
2.0	1.92 1.91	516 190
2.5	2.40 2.38	330 121
3.0	2.87 2.86	229 84

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 51.0°)
C90 - C270 (Half beam angle: 51.2°)



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TECHNICAL DRAWINGS

