

## 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, 20W; 2400lm; 120lm/W; 4000K; UGR <19 with shallow product depth 60mm. Meets TP(a) requirements.

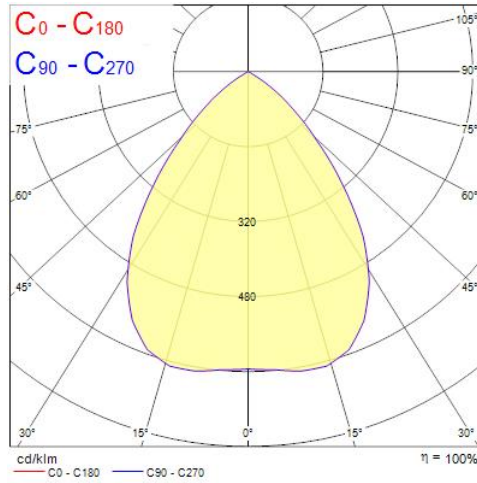
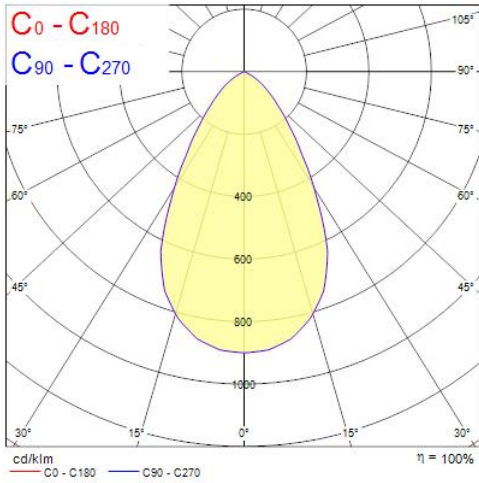
## Product Overview

Product name	Insaver Slim UGR19 205 IP44 2400lm 840
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
E-number FI	4276919
Fixture luminous flux (lm)	2400
Luminaire efficacy (lm/W)	120
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	60
Beam Angle (°)	NA
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	20
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	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Product EAN number	5410288303055
Warranty	5 years
Dimming method	N/A

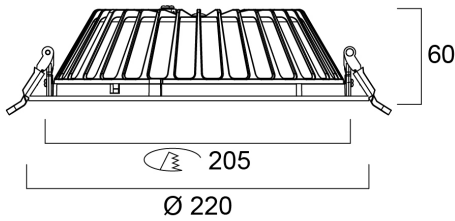
### Photometry



Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(30.5°)	Illuminance [lx]
0.5	0.59	8595	2749	
1.0	1.18	2149	687	
1.5	1.77	955	305	
2.0	2.36	537	172	
2.5	2.95	344	110	
3.0	3.53	239	75	

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 61.0°)

## Technical drawings



## Data table

### GENERAL DATA

Product name	Insaver Slim UGR19 205 IP44 2400lm 840
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	4276919
Warranty	5 years

### OPTICAL DATA

Fixture luminous flux (lm)	2400
Luminaire efficacy (lm/W)	120

## Insaver Slim UGR19 205 IP44 2400lm 840 0030305

Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	60
Beam Angle (°)	NA
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1

### ELECTRICAL DATA

Total power consumption (W)	20
Mains voltage (V)	220-240V
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	20
Electrical protection	Class II
Control gear required	Yes
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)	600
Inrush Current (A)	17.2
Inrush Duration ( $\mu$ s)	200
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	20
Max. Luminaires per 13A C Breaker	26
Max. Luminaires per 16A C Breaker	32

## Insaver Slim UGR19 205 IP44 2400lm 840 0030305

Max. Luminaires per 20A C Breaker	40
Max. Luminaires per 10A B Breaker	12
Max. Luminaires per 13A B Breaker	15
Max. Luminaires per 16A B Breaker	19
Max. Luminaires per 20A B Breaker	24

### 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
Recessed Depth (mm)	150

### PACKAGING

Single packaging type	Carton
Product EAN number	5410288303055
Packaging single length / height (cm)	23.2
Packaging single width (cm)	23.2
Packaging single depth (cm)	8.0
DUN14 (outer)	15410288303052
Units per outer package	12
Packaging outer length / height (cm)	48.0

## Insaver Slim UGR19 205 IP44 2400lm 840 0030305

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Packaging outer width (cm)	48.0
Packaging outer depth (cm)	26.0

### SAFETY DATA

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Optimal operating condition (°C)	-10-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No