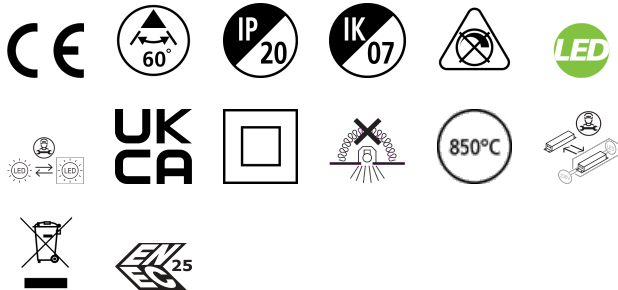


# Insaver Slim UGR19 220 2300lm 830 Surface

Item No: 0030318

**SYLVANIA**

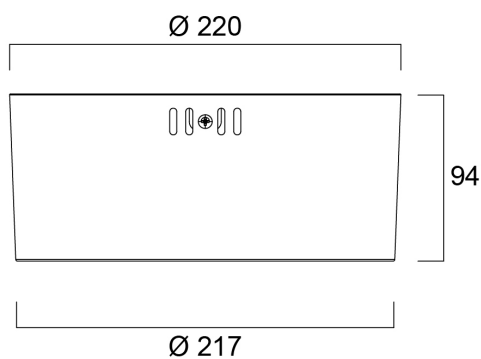
**PRO**



Insaver Slim is a surface mounted LED downlight ,Die-cast aluminium body, loop in loop out connector for quick installation, Non dimmable LED driver, 20W; 2300lm; 115lm/W; 3000K; UGR <19 with height of 95 mm. Meets TP(a) requirements.

## Technical Assets

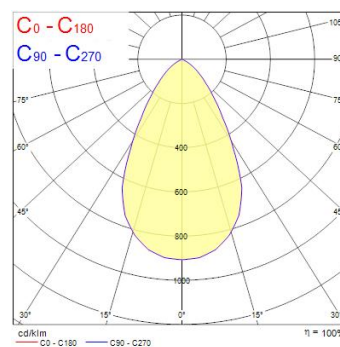
### Dimensions (mm)



### Photometrics

Distance [m]	Cone diameter [m]	E10° [lx]	E15° [lx]	E30° [lx]
0.5	0.58	8405	3033	2709
1.0	1.17	2101	807	677
1.5	1.75	934	333	301
2.0	2.34	525	189	169
2.5	2.92	336	121	108
3.0	3.51	233	85	75

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 60.6°)



# Insaver Slim UGR19 220 2300lm 830 Surface

Item No: 0030318

**SYLVANIA**

## General data

Product name	Insaver Slim UGR19 220 2300lm 830 Surface
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface 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	4278057
Warranty	5 years

## Optical data

Useful luminous flux ( $\Phi_{use}$ )	2300
Fixture luminous flux (lm)	2300
Luminaire efficacy (lm/W)	115
Correlated colour temperature (k)	3000
Light colour	Warm 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)	20
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
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 type	LED driver constant current
No. Of switching cycles before premature failures	>100000
Dimmable	No
Dimming method	N/A
Drive current (mA)	600
Inrush Current (A)	17.2
Inrush Duration ( $\mu$ s)	200
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	20
Max. products per 13A C Breaker	26
Max. products per 16A C Breaker	32
Max. products per 20A C Breaker	40
Max. products per 10A B Breaker	12
Max. products per 13A B Breaker	15
Max. products per 16A B Breaker	19
Max. products per 20A B Breaker	24
Connectable conductor cross section - Min (mm <sup>2</sup> )	0.23
Connectable conductor cross section - Max (mm <sup>2</sup> )	1.23

## Lifetime data

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

# Insaver Slim UGR19 220 2300lm 830 Surface

Item No: 0030318



## Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP20
IK rating	IK07
Diffuser finish	Other
Diffuser material	None
Reflector finish	Not Applicable
Nominal Product Height (mm)	94
Nominal Product Diameter (mm)	220
Weight (kg)	1.65

## Packaging

Product EAN number	5410288303185
Packaging single length / height (cm)	22.6
Packaging single width (cm)	22.6
Packaging single depth (cm)	10.3
DUN14 (inner)	15410288303182
Units per outer package	8
Packaging outer length / height (cm)	45.5
Packaging outer width (cm)	23.5
Packaging outer depth (cm)	43.0

## Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-10-40