



### 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.

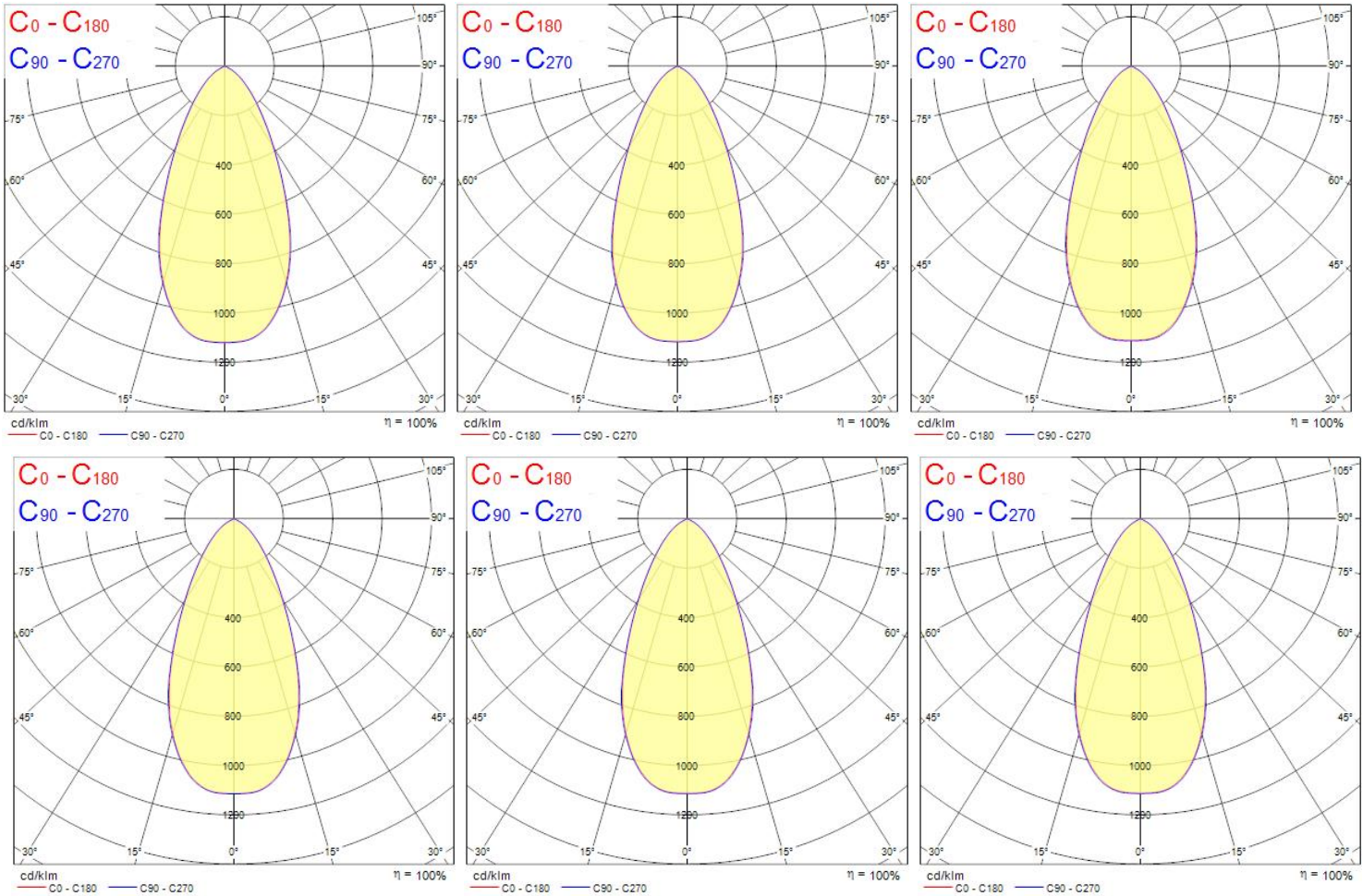
### Product Overview

<b>Product name</b>	Insaver Slim U19 IP44 205 Multipower 650-2000lm840
<b>Technology</b>	LED
<b>Cap/Base</b>	N/A
<b>Housing</b>	Aluminium
<b>Mount</b>	Ceiling recessed mounting
<b>General application</b>	Hospitality, Office, Retail
<b>ETIM Class</b>	EC001744
<b>E-number FI</b>	4278487
<b>Fixture luminous flux (lm)</b>	2000
<b>Luminaire efficacy (lm/W)</b>	121
<b>Colour temperature (K)</b>	4000
<b>Light colour</b>	Neutral White
<b>CRI (Ra)</b>	80
<b>Colour Variation Initial (SDCM)</b>	3
<b>Beam Angle (°)</b>	60
<b>Glare control</b>	< 19
<b>Photobiological Risk Group</b>	RG1
<b>Total power consumption (W)</b>	16.5

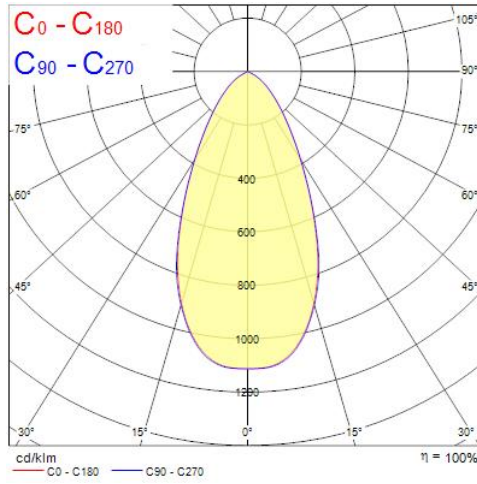
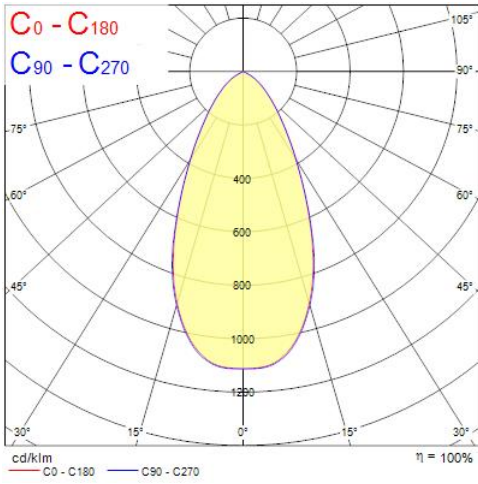
## Insaver Slim U19 IP44 205 Multipower 650-2000lm840 0030453

Electrical protection	Class II
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	5410288304533
Warranty	5 years
Dimming method	N/A

### Photometry



## Insaver Slim U19 IP44 205 Multipower 650-2000lm840 0030453



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	2999	1100	1104	
1.0	0.96 0.95	750	275	276	
1.5	1.44 1.43	333	122	123	
2.0	1.92 1.91	187	69	69	
2.5	2.40 2.38	120	44	44	
3.0	2.87 2.86	83	31	31	

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]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	5670	2095	2091	
1.0	0.96 0.95	1418	521	523	
1.5	1.44 1.43	630	232	232	
2.0	1.92 1.91	354	130	131	
2.5	2.40 2.38	227	83	84	
3.0	2.87 2.86	158	58	58	

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]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	6255	3036	3038	
1.0	0.96 0.95	2054	759	760	
1.5	1.44 1.43	917	337	338	
2.0	1.92 1.91	515	190	190	
2.5	2.40 2.38	330	121	122	
3.0	2.87 2.86	229	84	84	

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]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	9039	3324	3325	
1.0	0.96 0.95	2280	831	831	
1.5	1.44 1.43	1004	369	369	
2.0	1.92 1.91	565	208	208	
2.5	2.40 2.38	382	133	133	
3.0	2.87 2.86	251	92	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]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	7453	2742	2744	
1.0	0.96 0.95	1883	686	686	
1.5	1.44 1.43	828	305	305	
2.0	1.92 1.91	456	171	171	
2.5	2.40 2.38	296	110	110	
3.0	2.87 2.86	207	76	76	

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

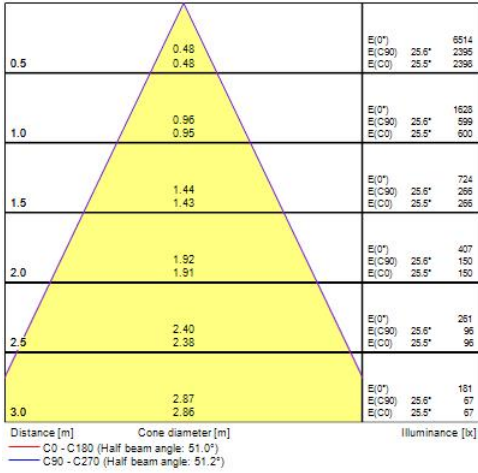
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	4907	1802	1807	
1.0	0.96 0.95	1227	451	452	
1.5	1.44 1.43	545	200	201	
2.0	1.92 1.91	307	113	113	
2.5	2.40 2.38	196	72	72	
3.0	2.87 2.86	136	50	50	

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

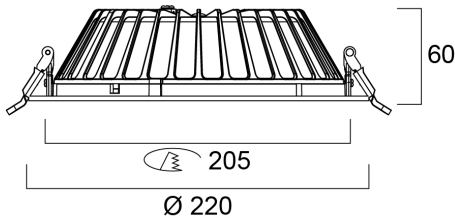
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(CO)	Illuminance [lx]
0.5	0.48 0.48	3900	1431	1435	
1.0	0.96 0.95	975	355	359	
1.5	1.44 1.43	433	159	159	
2.0	1.92 1.91	244	89	90	
2.5	2.40 2.38	156	57	57	
3.0	2.87 2.86	108	40	40	

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

## Insaver Slim U19 IP44 205 Multipower 650-2000lm840 0030453



### Technical drawings



### Data table

#### GENERAL DATA

Product name	Insaver Slim U19 IP44 205 Multipower 650-2000lm840
Technology	LED
Cap/Base	N/A

## Insaver Slim U19 IP44 205 Multipower 650-2000lm840 0030453

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)	3
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

## Insaver Slim U19 IP44 205 Multipower 650-2000lm840 0030453

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
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

## Insaver Slim U19 IP44 205 Multipower 650-2000lm840 0030453

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
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No