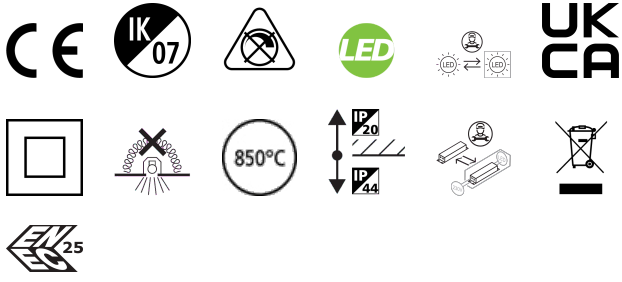


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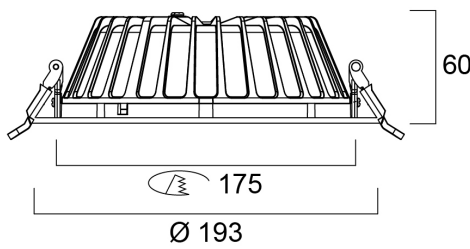


PRO



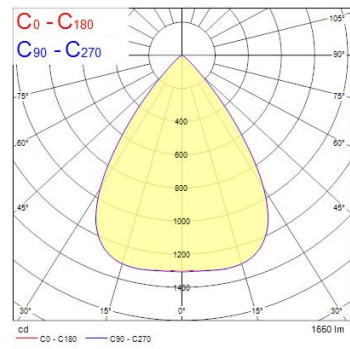
Technical Assets

Dimensions (mm)



Photometrics

Beam Angle (°)	Beam Diameter (mm)	Beam Area (cm²)	Beam Area (ft²)	Beam Area (in²)
0°	175	3062.5	33.3	474.0
5°	180	3240.0	35.0	490.0
10°	193	3724.9	40.3	561.0
15°	210	4410.0	47.6	670.0
20°	230	5290.0	57.4	805.0
25°	250	6350.0	68.8	965.0
30°	270	7620.0	82.8	1160.0
35°	290	9100.0	98.4	1385.0
40°	310	10790.0	116.4	1640.0
45°	330	12700.0	137.0	1925.0
50°	350	14830.0	160.3	2245.0
55°	370	17180.0	186.4	2605.0
60°	390	19750.0	215.3	3010.0
65°	410	22540.0	247.1	3465.0
70°	430	25550.0	281.8	3975.0
75°	450	28780.0	319.5	4545.0
80°	470	32240.0	359.3	5175.0
85°	490	35930.0	402.2	5865.0
90°	510	40860.0	448.2	6615.0



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SYLVANIA

General data

Product name	Insaver UGR19 IP44 175 1650LM 830
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
ETIM Class	EC001744
E-number FI	4278513
Warranty	5 years

Optical data

Useful luminous flux (Φ _{use})	1650
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)	SDCM3
Beam Angle (°)	70
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
Lamp power factor	0.9
Electrical protection	Class II
Control gear type	LED driver constant current
Dimming method	N/A
Drive current (mA)	400
Inrush Current (A)	20
Inrush Duration (µs)	105
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	50
Max. products per 16A C Breaker	74
Connectable conductor cross section - Min (mm ²)	0.75
Connectable conductor cross section - Max (mm ²)	1.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	100000
Lifespan L80 B20	88000
Lifespan L80 B10	80000
Lifespan L90 B50	50000
Lifespan L90 B20	43000
Lifespan L90 B10	39000

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Physical data

Housing colour	RAL 9010 - Pure white
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

Packaging

Product EAN number	5410288305028
Packaging single width (cm)	20.5
Packaging single depth (cm)	7.3
DUN14 (inner)	15410288305025
Packaging outer length / height (cm)	42.5

Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-20-40