

COLOSSAL 400mm 940 OPAL DIR WHITE SSC

Item No: 2071125

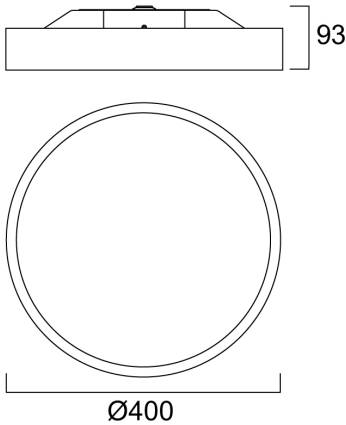
Concord



400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 2200lm luminous flux, 20.5W system power, 107lm/W luminaire efficacy. Sylsmart Standalone enabled. Colour rendering index Ra >90, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 450mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

Technical Assets

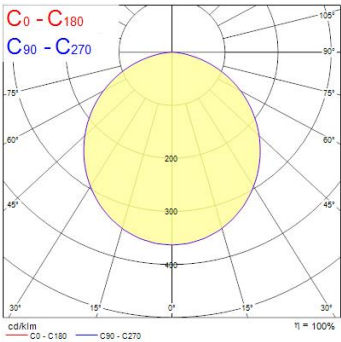
Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀₀ [lx]	Beam angle [°]
0.5	1.42	3137	308	108°
1.0	2.84	799	77	108°
1.5	4.25	359	34	108°
2.0	5.67	205	19	108°
2.5	7.09	128	12	108°
3.0	8.51	89	9	108°

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 108°)



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General data

Product name	COLOSSAL 400mm 940 OPAL DIR WHITE SSC
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, Suspended
General application	Hospitality, Office
Operating temperature range (°C)	10°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2200
Luminaire efficacy (lm/W)	107
Correlated colour temperature (k)	4000
Colour Code	940
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 22
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	20.5
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	SylSmart SSC
Drive current (mA)	450
Inrush Current (A)	20
Inrush Duration (µs)	25
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	57
Max. products per 13A C Breaker	71
Max. products per 16A C Breaker	93
Max. products per 20A C Breaker	114
Max. products per 10A B Breaker	35
Max. products per 13A B Breaker	45
Max. products per 16A B Breaker	55
Max. products per 20A B Breaker	68
Connectable conductor cross section - Min (mm²)	1.5
Connectable conductor cross section - Max (mm²)	1.5

Lifetime data

Lifespan L70 B50	170000
Lifespan L80 B20	145000
Lifespan L90 B10	66000

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Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	93
Nominal Product Diameter (mm)	400
Weight (kg)	6.5

Packaging

Product EAN number	5025768711253
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (inner)	05025768711253
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	47.0
Packaging outer depth (cm)	47.0

Safety data

Glow Wire Test (°C)	650
Optimal operating condition (°C)	10-25