

# COLOSSAL 400mm HO 840 OPAL DIR WHITE EM

Item No: 2071330

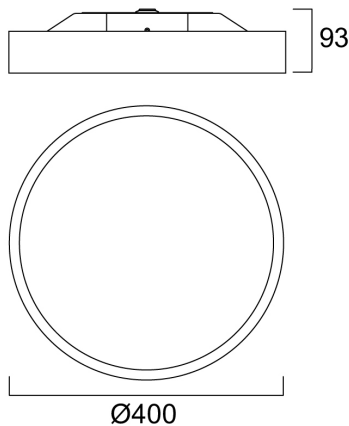
Concord



400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 3435lm luminous flux, 27.3W system power, 126lm/W luminaire efficacy. Constant current driver. 3 hours integrated emergency. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 600mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

## Technical Assets

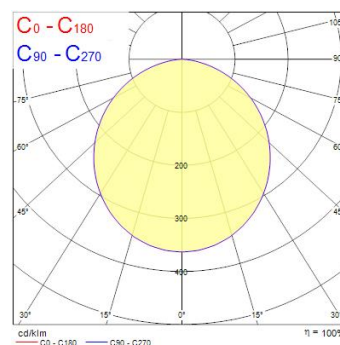
### Dimensions (mm)



### Photometrics

Distance [m]	Cone diameter [m]	E10° [lx]	E15° [lx]	E30° [lx]
0.5	1.42	492	478	462
1.0	2.84	124	120	115
1.5	4.25	68	65	62
2.0	5.67	31	30	29
2.5	7.09	20	19	18
3.0	8.51	13	12	11

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 109.4°)



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### General data

Product name	COLOSSAL 400mm HO 840 OPAL DIR WHITE EM
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
ETIM Class	EC002892
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	3435
Luminaire efficacy (lm/W)	123
Correlated colour temperature (k)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 24
Photobiological Risk Group	RG0
Emergency duration (h)	3

### Electrical data

Total power consumption (W)	30
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
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	No
Dimming method	N/A
Drive current (mA)	600
Inrush Current (A)	28
Inrush Duration (µs)	139
Energy Efficiency Class (A->G) of contained light source	B
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	31
Max. products per 13A C Breaker	41
Max. products per 16A C Breaker	51
Max. products per 20A C Breaker	70
Max. products per 10A B Breaker	19
Max. products per 13A B Breaker	25
Max. products per 16A B Breaker	31
Max. products per 20A B Breaker	42
Connectable conductor cross section - Min (mm <sup>2</sup> )	1.5
Connectable conductor cross section - Max (mm <sup>2</sup> )	2.5

### 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)	6.8

## Packaging

Product EAN number	5025768713301
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (inner)	05025768713301
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