

Colossal 1200mm 840 Opal Dir+Hal White DALI EM

Item No: 2071314

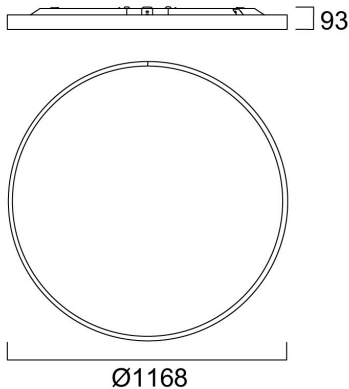
Concord



1200mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct/indirect (halo) light distribution, 22175lm luminous flux, 157W system power, 141lm/W luminaire efficacy. DALI dimmable. 3 hours integrated emergency. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40/IP20, IK03. 450mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

Technical Assets

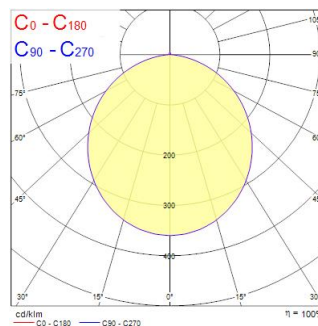
Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam diameter [m]	Beam diameter [m]	Illuminance [lx]
0.5	1.41	Ø171	Ø171	3185
1.0	2.82	Ø342	Ø342	794
1.5	4.24	Ø513	Ø513	358
2.0	5.65	Ø684	Ø684	196
2.5	7.06	Ø855	Ø855	127
3.0	8.47	Ø1026	Ø1026	85

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 108.4°)



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General data

Product name	Colossal 1200mm 840 Opal Dir+Hal White DALI EM
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
Built in presence detector	NONE
General application	Hospitality, Office
Operating temperature range (°C)	5°C...+25°C
Virtual assistant compatibility	N/A
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	22175
Luminaire efficacy (lm/W)	144
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	< 23
Photobiological Risk Group	RG0

Electrical data

Emergency type	
Emergency duration (h)	3
Total power consumption (W)	154.5
Supply current (A)	450
Primary Supply/Product voltage - min (V)	198.0
Primary Supply/Product voltage - max (V)	264.0
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	Yes
Dimming method	DALI
Drive current (mA)	450
Inrush Current (A)	25
Inrush Duration (µs)	280
Energy Efficiency Class (A->G) of contained light source	B, B(more than 1 Light Source)
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	24
Max. products per 13A C Breaker	31
Max. products per 16A C Breaker	40
Max. products per 20A C Breaker	49
Max. products per 10A B Breaker	13
Max. products per 16A B Breaker	24
Max. products per 20A B Breaker	30
Connectable conductor cross section - Min (mm ²)	1.5
Connectable conductor cross section - Max (mm ²)	2.5

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Lifetime data

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

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)	1168
Weight (kg)	23.0

Packaging

Product EAN number	5025768713141
Packaging single length / height (cm)	14.0
Packaging single width (cm)	123.0
Packaging single depth (cm)	123.0
DUN14 (inner)	05025768713141
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	123.0
Packaging outer depth (cm)	123.0

Safety data

Glow Wire Test (°C)	650
Optimal operating condition (°C)	5-25