

COLOSSAL 900mm 830 OPAL DIR WHITE DALI EM

Item No: 2071234

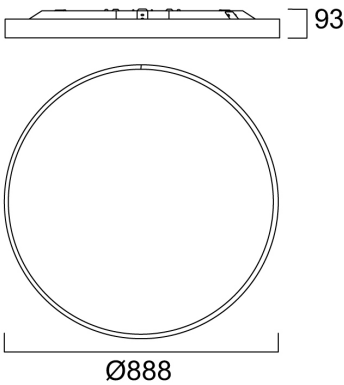
Concord



900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 10375lm luminuous flux, 78.5W system power, 132lm/W luminiatre efficacy. DALI dimmable. 3 hours integrated emergency. Colour rendering index Ra >80, 3000K Warm 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.

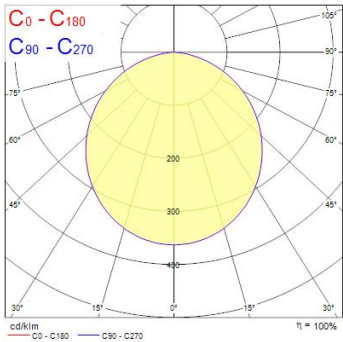
Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam angle [°]	Half beam angle [°]	Beam diameter [m]	Beam area [m²]	Beam volume [m³]
0.5	1.42	108	54	1.42	1.58	0.37
1.0	2.84	108	54	2.84	6.32	1.57
1.5	4.25	108	54	4.25	18.08	4.76
2.0	5.67	108	54	5.67	31.67	12.57
2.5	7.09	108	54	7.09	49.71	24.92
3.0	8.51	108	54	8.51	72.31	42.42



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General data

Product name	COLOSSAL 900mm 830 OPAL DIR WHITE DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality, Office
Operating temperature range (°C)	5°C...+25°C
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	10375
Luminaire efficacy (lm/W)	134
Correlated colour temperature (k)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 22
Photobiological Risk Group	RG0
Emergency duration (h)	3

Electrical data

Total power consumption (W)	77.7
Current (A)	450
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	DALI
Drive current (mA)	450
Inrush Current (A)	25
Inrush Duration (µs)	280
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	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 (mm²)	1.5
Connectable conductor cross section - Max (mm²)	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)	888
Weight (kg)	17.0

Packaging

Product EAN number	5025768712342
Packaging single length / height (cm)	14.0
Packaging single width (cm)	96.0
Packaging single depth (cm)	96.0
DUN14 (inner)	05025768712342
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	96.0
Packaging outer depth (cm)	96.0

Safety data

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