

COLOSSAL 600mm 830 OPAL DIR+HAL

WHITE DALI EM

Item No: 2071200

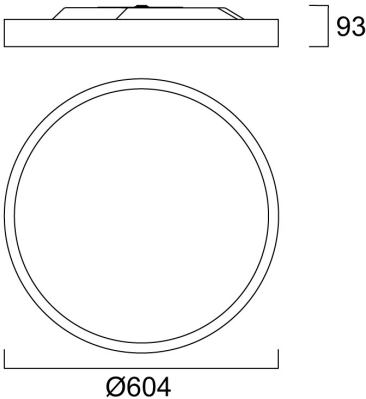
Concord



600mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct/indirect (halo) light distribution, 5190lm luminuous flux, 41W system power, 127lm/W luminiaire efficacy. DALI dimmable. 3 hours integrated emergency. Colour rendering index Ra >80, 3000K Warm 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)

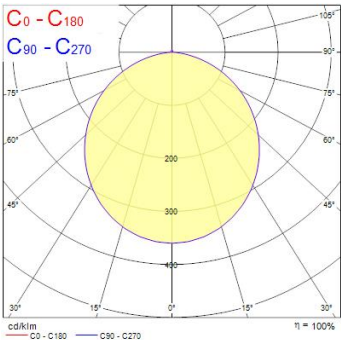


Photometrics

0.5	1.41	E(0°)	E(10°)	7474
		E(20°)	E(30°)	723
1.0	2.82	E(0°)	E(10°)	1889
		E(20°)	E(30°)	181
1.5	4.24	E(0°)	E(10°)	830
		E(20°)	E(30°)	80
2.0	5.65	E(0°)	E(10°)	487
		E(20°)	E(30°)	45
2.5	7.06	E(0°)	E(10°)	299
		E(20°)	E(30°)	29
3.0	8.47	E(0°)	E(10°)	205
		E(20°)	E(30°)	20

Distance [m]Cone diameter [m]Illuminance [lx]

— C0 - C180 (Half beam angle: 109.4°)



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General data

Product name	COLOSSAL 600mm 830 OPAL DIR+HAL WHITE DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	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)	5190
Luminous flux (lm)	5190
Luminaire efficacy (lm/W)	127
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)	41
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.99
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	4.7
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2
Drive current (mA)	450
Inrush Current (A)	23
Inrush Duration (µs)	174
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	21
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	35
Max. products per 20A C Breaker	45
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17
Max. products per 16A B Breaker	21
Max. products per 20A B Breaker	27
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)	604
Weight (kg)	9.3

Packaging

Product EAN number	5025768712007
Packaging single length / height (cm)	14.0
Packaging single width (cm)	68.0
Packaging single depth (cm)	68.0
DUN14 (inner)	05025768712007
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	68.0
Packaging outer depth (cm)	68.0

Safety data

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