

Colossal 900 OPAL

COLOSSAL 900mm 940 OPAL DIR+HAL WHITE DALI
2071273



Product features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct/indirect (halo) light distribution, 9390lm luminous flux, 76.8W system power, 122lm/W luminaire efficacy. DALI dimmable. Colour rendering index Ra >90, 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.



PRODUCT OVERVIEW

Product name	COLOSSAL 900mm 940 OPAL DIR+HAL WHITE DALI
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
General application	Office, Hospitality
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	9390
Luminaire efficacy (lm/W)	122
Colour temperature (K)	4000
Colour Code	940
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 22
Photobiological Risk Group	RG0
Total power consumption (W)	76.8
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK03
Product EAN number	5025768712731

DATA TABLE

General data

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Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
General application	Office, Hospitality
Operating temperature range (°C)	5°C...+25°C
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	9390
Luminaire efficacy (lm/W)	122
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)	76.8
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
Glow Wire Test (°C)	650
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	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

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Connectable conductor cross section - Min (mm²)	1.5
Connectable conductor cross section - Max (mm²)	2.5

Lifetime data

Lifespan L70 B50	170000
Lifespan L70 B20	170000
Lifespan L70 B10	170000
Lifespan L80 B50	166500
Lifespan L80 B20	145000
Lifespan L80 B10	134000
Lifespan L90 B50	80000
Lifespan L90 B20	70000
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)	888
Weight (kg)	16.5

Packaging

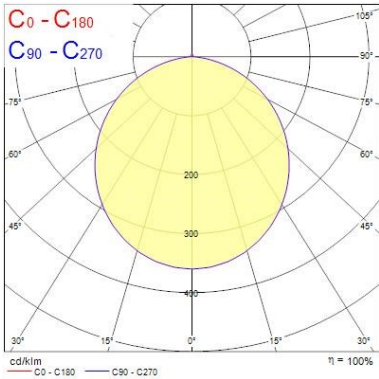
Single packaging type	Carton
Product EAN number	5025768712731
Packaging single length / height (cm)	14.0
Packaging single width (cm)	96.0
Packaging single depth (cm)	96.0
DUN14 (outer)	05025768712731
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	96.0
Packaging outer depth (cm)	96.0

Safety data

Optimal operating condition (°C)	5-25
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PHOTOMETRY

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0.5	1.41	E(0°) E(C0)	54.7°	13533 1308
1.0	2.82	E(0°) E(C0)	54.7°	3381 327
1.5	4.24	E(0°) E(C0)	54.7°	1903 145
2.0	5.65	E(0°) E(C0)	54.7°	845 82
2.5	7.06	E(0°) E(C0)	54.7°	541 82
3.0	8.47	E(0°) E(C0)	54.7°	376 36

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

TECHNICAL DRAWINGS

