

Concord

COLOSSAL 900mm 940 OPAL DIR+HAL WHITE DALI 2071273



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
Fixture luminous flux (lm)	9390
Luminaire efficacy (lm/W)	122
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	3
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
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel

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IP rating	IP40/20
IK rating	IK07
Product EAN number	5025768712731
Warranty	5 years
Colour Code	940
Dimming method	DALI

Data table

GENERAL DATA

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
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)	3
Distribution type	Symmetric
Glare control	< 22
Photobiological Risk Group	RG0

ELECTRICAL DATA

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Total power consumption (W)	76.8
Current (A)	450
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Transformer required	No
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	450
Inrush Current (A)	25
Inrush Duration (μ s)	280
Glow Wire Test ($^{\circ}$ 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. Luminaires per 10A C Breaker	24
Max. Luminaires per 13A C Breaker	31
Max. Luminaires per 16A C Breaker	40
Max. Luminaires per 20A C Breaker	49
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 16A B Breaker	24
Max. Luminaires per 20A B Breaker	30

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

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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
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No