



Features

• 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 10890lm luminous flux, 76.8W system power, 142lm/W luminaire efficacy. DALI dimmable. 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.

Product Overview

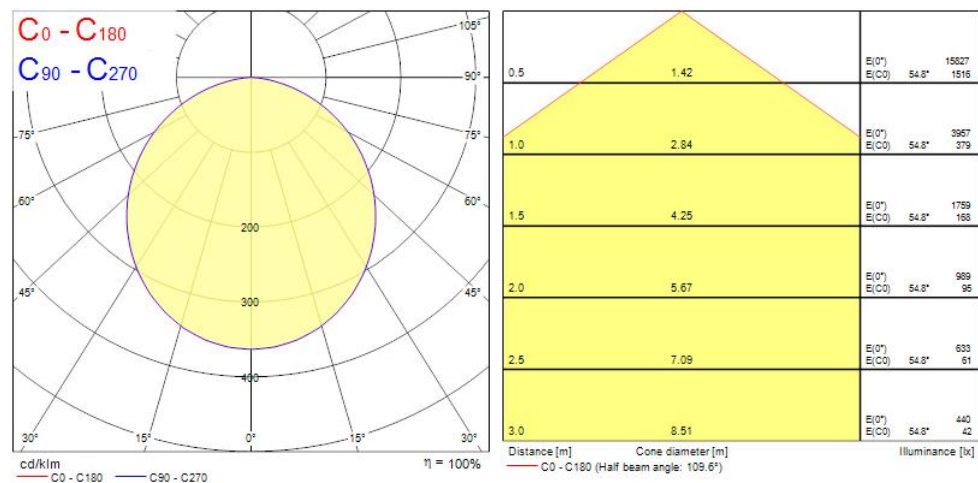
Product name	COLOSSAL 900mm 840 OPAL DIR WHITE DALI
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
Fixture luminous flux (lm)	10890
Luminaire efficacy (lm/W)	142
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 22
Photobiological Risk Group	RG0
Total power consumption (W)	76.8
Electrical protection	Class I
Control gear type	LED driver constant current
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK07
Product EAN number	5025768712410

Concord

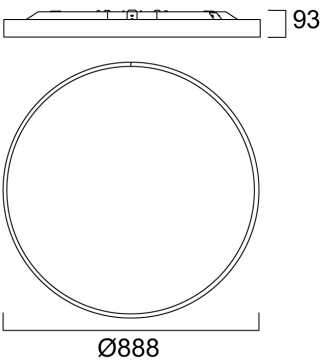
COLOSSAL 900mm 840 OPAL DIR WHITE DALI 2071241

Warranty	5 years
Colour Code	840

Photometry



Technical drawings



Data table

COLOSSAL 900mm 840 OPAL DIR WHITE DALI 2071241

GENERAL DATA

Product name	COLOSSAL 900mm 840 OPAL DIR WHITE DALI
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
Operating temperature range (°C)	5°C...+25°C
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	10890
Luminaire efficacy (lm/W)	142
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
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
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	450
Inrush Current (A)	25
Inrush Duration (µs)	280
Glow Wire Test (°C)	650

COLOSSAL 900mm 840 OPAL DIR WHITE DALI 2071241

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 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

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 Diameter (mm)	888
Weight (kg)	16.5

PACKAGING

Single packaging type	Carton
Product EAN number	5025768712410
Packaging single width (cm)	96.0
Packaging single depth (cm)	96.0
DUN14 (outer)	05025768712410
Packaging outer length / height (cm)	14.0

SAFETY DATA

Concord

COLOSSAL 900mm 840 OPAL DIR WHITE DALI 2071241

Optimal operating condition (°C)	5-25
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No