

Features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 7785lm luminous flux, 60W system power, 130lm/W luminaire 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. 350mA drive current. UGR≤19. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

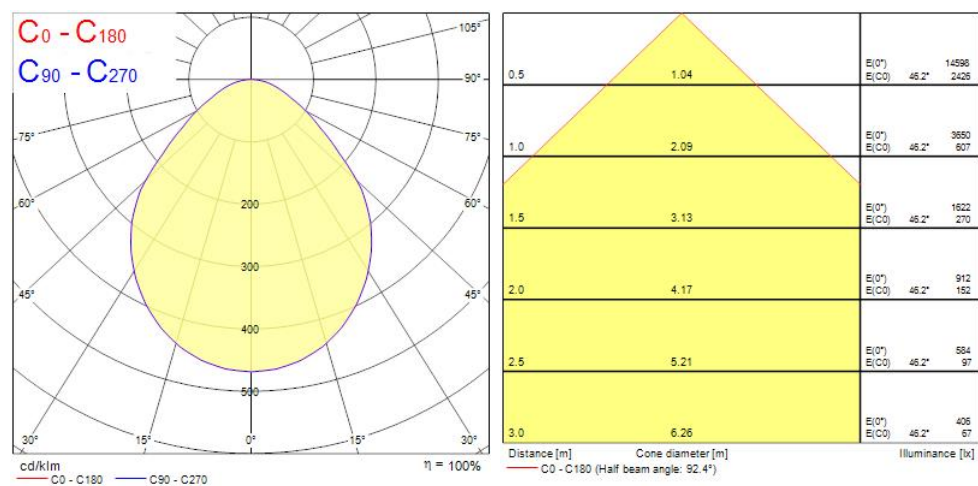
Product Overview

Product name	COLOSSAL 900mm 830 PRISM DIR WHITE DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
Fixture luminous flux (lm)	7785
Luminaire efficacy (lm/W)	131
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	59.6
Electrical protection	Class I
Control gear type	LED driver constant current
LED Flickering Rate	Ultra low (5% or less)

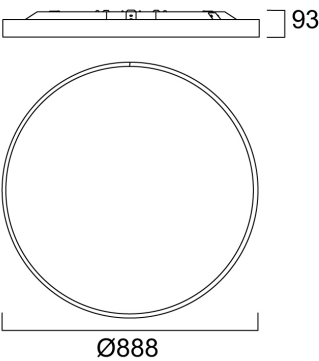
COLOSSAL 900mm 830 PRISM DIR WHITE DALI EM
2071238

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK07
Product EAN number	5025768712380
Warranty	5 years
Colour Code	830

Photometry



Technical drawings



Concord

COLOSSAL 900mm 830 PRISM DIR WHITE DALI EM 2071238

Data table

GENERAL DATA

Product name	COLOSSAL 900mm 830 PRISM DIR WHITE DALI EM
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)	7785
Luminaire efficacy (lm/W)	131
Colour temperature (K)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	59.6
Current (A)	350
Primary Supply/Product voltage - min (V)	220
Lamp power factor	0.99
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	350

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Inrush Current (A)	23
Inrush Duration (µs)	174
Glow Wire Test (°C)	650
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	18
Max. products per 20A B Breaker	17
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	Prismatic
Diffuser material	PMMA Acrylic
Nominal Product Diameter (mm)	888
Weight (kg)	17.0

PACKAGING

Single packaging type	Carton
Product EAN number	5025768712380
Packaging single width (cm)	96.0
Packaging single depth (cm)	96.0
DUN14 (outer)	05025768712380

Concord

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Packaging outer length / height (cm)	14.0
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SAFETY DATA

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