



Features

- 400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 1845lm luminous flux, 16W system power, 115lm/W luminaire efficacy. DALI dimmable. Colour rendering index Ra >80, 3000K Warm White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 350mA drive current. UGR≤19. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

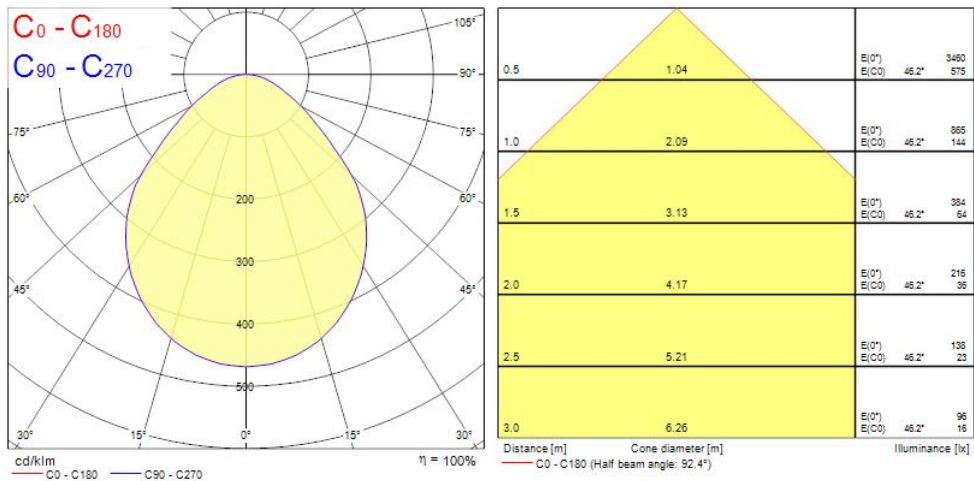
Product Overview

Product name	COLOSSAL 400mm 830 PRISM DIR WHITE DALI
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, Suspended
General application	Hospitality, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	1845
Luminaire efficacy (lm/W)	115
Correlated 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)	16
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes

COLOSSAL 400mm 830 PRISM DIR WHITE DALI 2071108

LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP40/20
IK rating	IK07
Product EAN number	5025768711086
Warranty	5 years
Dimming method	DALI-2
Colour Code	830

Photometry



Technical drawings



Data table

GENERAL DATA

Product name	COLOSSAL 400mm 830 PRISM DIR WHITE DALI
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, 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)	1845
Luminaire efficacy (lm/W)	115
Correlated colour temperature (k)	3000
Colour Code	830
Light colour	Warm White

COLOSSAL 400mm 830 PRISM DIR WHITE DALI 2071108

CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	16
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-2
Drive current (mA)	350
Inrush Current (A)	20
Inrush Duration (µs)	200
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	31
Max. products per 13A C Breaker	39
Max. products per 16A C Breaker	51
Max. products per 20A C Breaker	62
Max. products per 10A B Breaker	18
Max. products per 16A B Breaker	30
Max. products per 20A B Breaker	37
Connectable conductor cross section - Min (mm²)	1.5

COLOSSAL 400mm 830 PRISM DIR WHITE DALI 2071108

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	RAL9016
IP rating	IP40/20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PMMA Acrylic
Nominal Product Height (mm)	93
Nominal Product Diameter (mm)	400
Weight (kg)	6.5

PACKAGING

Product EAN number	5025768711086
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (inner)	05025768711086
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	47.0
Packaging outer depth (cm)	47.0

SAFETY DATA

Glow Wire Test (°C)	650
Optimal operating condition (°C)	10-25
Special purpose lamp	No

Concord

COLOSSAL 400mm 830 PRISM DIR WHITE DALI
2071108

Dry applications use only	No
Suitable for household illumination	No