

Colossal 400 Prismatic

COLOSSAL 400mm 830 PRISM DIR WHITE DALI
2071108



Product 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
Warranty	5 years
Fixture luminous flux (lm)	1845
Luminaire efficacy (lm/W)	115
Colour temperature (K)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
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
Dimming method	DALI-2
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	5025768711086

DATA TABLE

General data

Product name	COLOSSAL 400mm 830 PRISM DIR WHITE DALI
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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
Colour temperature (K)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	16
Mains voltage (V)	220-240V
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
Transformer required	No
Dimmable	Yes
Dimming method	DALI-2
Drive current (mA)	350
Inrush Current (A)	20
Inrush Duration (µs)	200
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. Luminaires per 10A C Breaker	31
Max. Luminaires per 13A C Breaker	39
Max. Luminaires per 16A C Breaker	51
Max. Luminaires per 20A C Breaker	62
Max. Luminaires per 10A B Breaker	18
Max. Luminaires per 16A B Breaker	30
Max. Luminaires per 20A B Breaker	37

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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 Height (mm)	93
Nominal Product Diameter (mm)	400
Weight (kg)	6.5

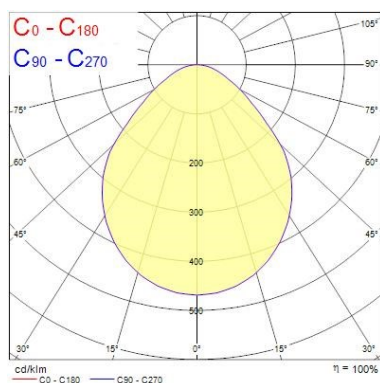
Packaging

Single packaging type	Carton
Product EAN number	5025768711086
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (outer)	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

Optimal operating condition (°C)	10-25
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PHOTOMETRY



0.5	1.04	E(0°) E(C0)	48.2°	3480 575
1.0	2.09	E(0°) E(C0)	48.2°	865 144
1.5	3.13	E(0°) E(C0)	48.2°	384 64
2.0	4.17	E(0°) E(C0)	48.2°	216 36
2.5	5.21	E(0°) E(C0)	48.2°	135 23
3.0	6.26	E(0°) E(C0)	48.2°	96 16

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 92.4°) Illuminance [lx]

TECHNICAL DRAWINGS

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