

Colossal 900 Prismatic
COLOSSAL 900mm 830 PRISM DIR WHITE DALI EM
2071238



Product 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
General application	Hospitality, Office
ETIM Class	EC002892
Warranty	5 years
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)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	59.6
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
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	5025768712380

DATA TABLE

General data	
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Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
General application	Hospitality, Office
Operating temperature range (°C)	5°C...+25°C
ETIM Class	EC002892
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)	SDCM3
Distribution type	Symmetric
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
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.99
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	9
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	350
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 13A C Breaker	26
Max. products per 16A C Breaker	28
Max. products per 20A C Breaker	34
Max. products per 10A B Breaker	9
Max. products per 13A B Breaker	13

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Max. products per 16A B Breaker	14
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 Height (mm)	93
Nominal Product Diameter (mm)	888
Weight (kg)	17.0

Packaging

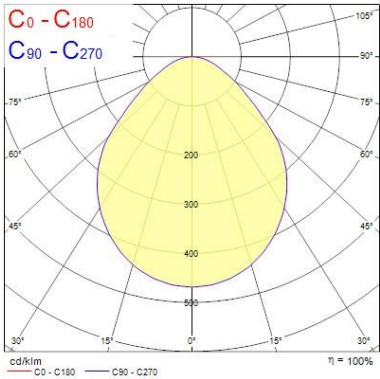
Single packaging type	Carton
Product EAN number	5025768712380
Packaging single length / height (cm)	14.0
Packaging single width (cm)	96.0
Packaging single depth (cm)	96.0
DUN14 (outer)	05025768712380
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	96.0
Packaging outer depth (cm)	96.0

Safety data

Optimal operating condition (°C)	5-25
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PHOTOMETRY

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0.5	1.04	E(0°) E(C0)	45.2°	14598 2426
1.0	2.09	E(0°) E(C0)	45.2°	3680 607
1.5	3.13	E(0°) E(C0)	45.2°	1632 270
2.0	4.17	E(0°) E(C0)	45.2°	912 152
2.5	5.21	E(0°) E(C0)	45.2°	584 97
3.0	6.26	E(0°) E(C0)	45.2°	406 67

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

TECHNICAL DRAWINGS

