

Colossal 600 Prismatic
COLOSSAL 600mm 840 PRISM DIR WHITE
2071179



Product features

- 600mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 3995lm luminous flux, 31.3W system power, 128lm/W luminaire efficacy. Constant current driver. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 350mA drive current. UGR 19. Electrical protection Class I, 220-240V. Reported lifetime 66k hours L90B10.



PRODUCT OVERVIEW

Product name	COLOSSAL 600mm 840 PRISM DIR WHITE
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)	3995
Luminous flux (lm)	3995
Luminaire efficacy (lm/W)	128
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	31.3
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
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	5025768711796

DATA TABLE

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General data

Product name	COLOSSAL 600mm 840 PRISM DIR WHITE
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)	3995
Luminous flux (lm)	3995
Luminaire efficacy (lm/W)	128
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral 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)	31.3
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Transformer required	No
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Inrush Current (A)	22
Inrush Duration (µs)	250
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	28
Max. Luminaires per 13A C Breaker	36
Max. Luminaires per 16A C Breaker	45
Max. Luminaires per 20A C Breaker	56
Max. Luminaires per 10A B Breaker	17
Max. Luminaires per 13A B Breaker	22

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Max. Luminaires per 16A B Breaker	27
Max. Luminaires per 20A B Breaker	34

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)	604
Weight (kg)	9.0

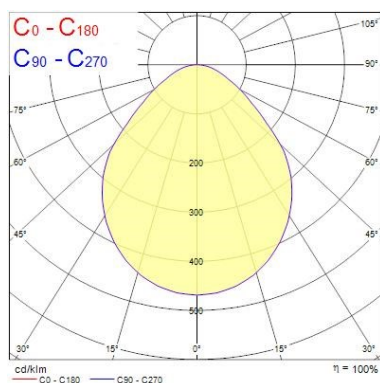
Packaging

Single packaging type	Carton
Product EAN number	5025768711796
Packaging single length / height (cm)	14.0
Packaging single width (cm)	68.0
Packaging single depth (cm)	68.0
DUN14 (outer)	05025768711796
Units per outer package	1
Packaging outer length / height (cm)	14.0
Packaging outer width (cm)	68.0
Packaging outer depth (cm)	68.0

Safety data

Optimal operating condition (°C)	10-25
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PHOTOMETRY



0.5	1.04	E(0°) E(C0)	48.2°	7491 1245
1.0	2.09	E(0°) E(C0)	48.2°	1873 311
1.5	3.13	E(0°) E(C0)	48.2°	832 138
2.0	4.17	E(0°) E(C0)	48.2°	488 78
2.5	5.21	E(0°) E(C0)	48.2°	300 50
3.0	6.26	E(0°) E(C0)	48.2°	208 35

Distance [m]
Cone diameter [m]
C0 - C180 (Half beam angle: 32.4°)
Illuminance [lx]

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TECHNICAL DRAWINGS

