

Colossal 400 Prismatic

COLOSSAL 400mm 840 PRISM DIR+HAL WHITE

2071146



Product features

- 400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct/indirect (halo) light distribution, 2015lm luminous flux, 16W system power, 126lm/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 Class1, 220-240V. Reported lifetime 66k hours L90B10.



PRODUCT OVERVIEW

Product name	COLOSSAL 400mm 840 PRISM DIR+HAL WHITE
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
General application	Hospitality, Office
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	2015
Luminaire efficacy (lm/W)	126
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)	16
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Medium (21% - 40%)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK03
Product EAN number	5025768711468

DATA TABLE

General data

Product name	COLOSSAL 400mm 840 PRISM DIR+HAL WHITE
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Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	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)	2015
Luminaire efficacy (lm/W)	126
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)	16
Current (A)	350
Mains voltage (V)	220-240V
Lamp power factor	0.93
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)	8
Inrush Duration (µs)	80
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	B
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Medium (21% - 40%)
Max. Luminaires per 10A C Breaker	65
Max. Luminaires per 13A C Breaker	80
Max. Luminaires per 16A C Breaker	100
Max. Luminaires per 20A C Breaker	125
Max. Luminaires per 10A B Breaker	65
Max. Luminaires per 13A B Breaker	80
Max. Luminaires per 16A B Breaker	100
Max. Luminaires per 20A B Breaker	125

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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

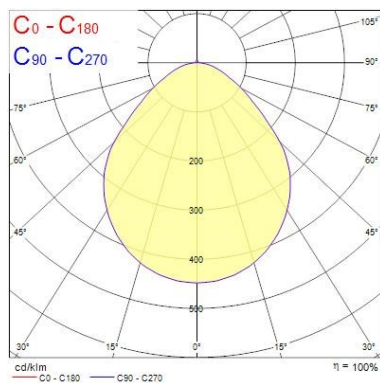
Packaging

Single packaging type	Carton
Product EAN number	5025768711468
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (outer)	05025768711468
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



Distance [m]	Cone diameter [m]	Half beam angle [°]	Beam diameter [m]	Beam area [m²]	Beam volume [m³]	Beam weight [kg]
0.5	1.07	94.0°	1.07	0.91	0.45	3612
1.0	2.14	94.0°	2.14	3.63	1.81	145
1.5	3.22	94.0°	3.22	8.28	4.05	325
2.0	4.29	94.0°	4.29	14.5	7.28	583
2.5	5.36	94.0°	5.36	22.6	11.2	905
3.0	6.43	94.0°	6.43	32.4	16.1	1300

Distance [m]

Cone diameter [m]

Half beam angle [°]

Beam diameter [m]

Beam area [m²]

Beam volume [m³]

Beam weight [kg]

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TECHNICAL DRAWINGS

