

Features

- 400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 1650lm luminous flux, 16.4W system power, 101lm/W luminaire efficacy. Constant current driver. 3 hours integrated emergency. Colour rendering index Ra >90, 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.

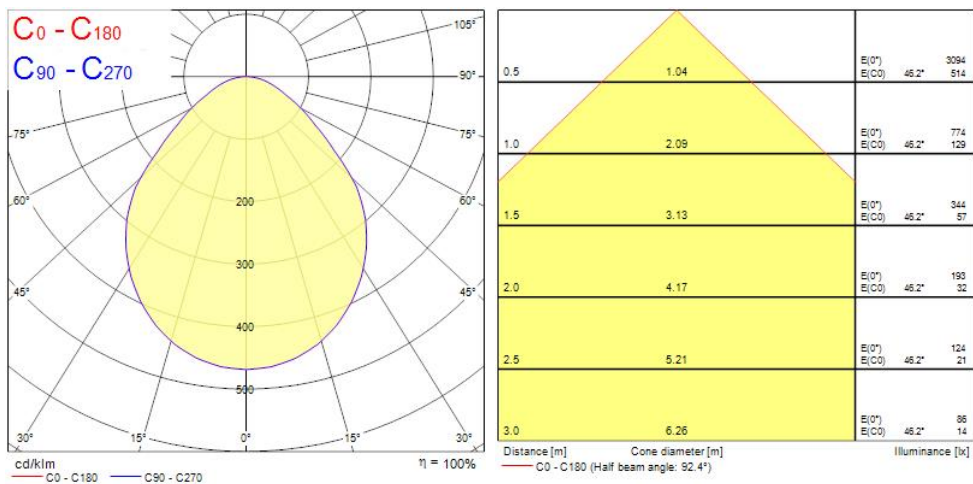
Product Overview

Product name	COLOSSAL 400mm 940 PRISM DIR WHITE EM
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)	1650
Luminaire efficacy (lm/W)	98
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	16.9
Electrical protection	Class I
Control gear type	LED driver constant current

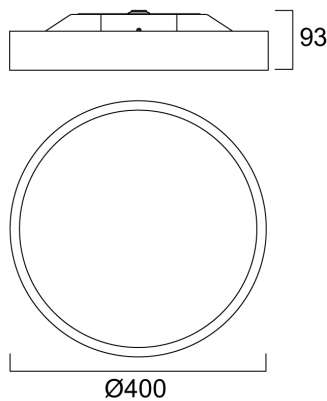
COLOSSAL 400mm 940 PRISM DIR WHITE EM 2071127

Dimmable	No
LED Flickering Rate	Medium (21% - 40%)
Housing colour	RAL9016
IP rating	IP40/20
IK rating	IK07
Product EAN number	5025768711277
Warranty	5 years
Dimming method	N/A
Colour Code	940

Photometry



Technical drawings



Data table

GENERAL DATA

Product name	COLOSSAL 400mm 940 PRISM DIR WHITE EM
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)	1650
Luminaire efficacy (lm/W)	98
Correlated colour temperature (k)	4000
Colour Code	940
Light colour	Neutral White

COLOSSAL 400mm 940 PRISM DIR WHITE EM 2071127

CRI (Ra)	90
Colour Variation Initial (SDCM)	3
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	16.9
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
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
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Inrush Current (A)	8
Inrush Duration (µs)	80
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Medium (21% - 40%)
Max. products per 10A C Breaker	65
Max. products per 13A C Breaker	80
Max. products per 16A C Breaker	100
Max. products per 20A C Breaker	125
Max. products per 10A B Breaker	65
Max. products per 13A B Breaker	80
Max. products per 16A B Breaker	100
Max. products per 20A B Breaker	125

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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	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)	6.8

PACKAGING

Product EAN number	5025768711277
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (inner)	05025768711277
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
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Concord

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2071127

Optimal operating condition (°C)	10-25
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No