

## Colossal 400 OPAL

COLOSSAL 400mm HO 840 OPAL DIR+HAL WHITE

2071333



### Product features

- 400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct/indirect (halo) light distribution, 3560lm luminous flux, 27W system power, 132lm/W luminaire efficacy. Constant current driver. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 600mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.



### PRODUCT OVERVIEW

Product name	COLOSSAL 400mm HO 840 OPAL DIR+HAL 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)	3560
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 24
Photobiological Risk Group	RG0
Total power consumption (W)	27
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	IK03
Product EAN number	5025768713332

### DATA TABLE

#### General data

Product name	COLOSSAL 400mm HO 840 OPAL DIR+HAL WHITE
--------------	--

## Colossal 400 OPAL

COLOSSAL 400mm HO 840 OPAL DIR+HAL WHITE

2071333

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)	3560
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 24
Photobiological Risk Group	RG0

### Electrical data

Total power consumption (W)	27
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 %	10
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	600
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	Ultra low (5% or less)
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

## Colossal 400 OPAL

COLOSSAL 400mm HO 840 OPAL DIR+HAL WHITE

2071333

Connectable conductor cross section - Min (mm <sup>2</sup> )	1.5
Connectable conductor cross section - Max (mm <sup>2</sup> )	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	Opal
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	93
Nominal Product Diameter (mm)	400
Weight (kg)	6.5

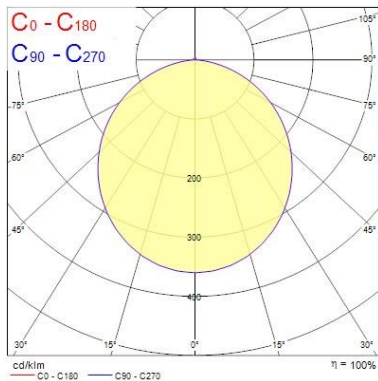
### Packaging

Single packaging type	Carton
Product EAN number	5025768713332
Packaging single length / height (cm)	14.0
Packaging single width (cm)	47.0
Packaging single depth (cm)	47.0
DUN14 (outer)	05025768713332
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
----------------------------------	-------

## PHOTOMETRY



Distance [m]	Cone diameter [m]	E <sub>0</sub> [lx]	E <sub>1</sub> [lx]	E <sub>2</sub> [lx]
0.5	1.41	5127	54.7°	496
1.0	2.82	1282	54.7°	124
1.5	4.24	570	54.7°	52
2.0	5.65	320	54.7°	31
2.5	7.06	205	54.7°	20
3.0	8.47	142	54.7°	14

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 C0 - C180 (Half beam angle: 109.4°)

## Colossal 400 OPAL

*COLOSSAL 400mm HO 840 OPAL DIR+HAL WHITE*

2071333

### TECHNICAL DRAWINGS

---

