

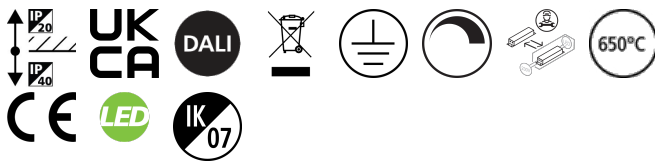
## Colossal 600 OPAL

COLOSSAL 600mm 840 OPAL DIR WHITE DALI  
2071175



### Product features

- 600mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 5330lm luminous flux, 40.1W system power, 133lm/W luminaire efficacy. DALI dimmable. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 450mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.



### PRODUCT OVERVIEW

Product name	COLOSSAL 600mm 840 OPAL DIR WHITE DALI
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)	5330
Luminous flux (lm)	5330
Luminaire efficacy (lm/W)	133
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 23
Photobiological Risk Group	RG0
Total power consumption (W)	40.1
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
Dimming method	DALI-2
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	5025768711758

### DATA TABLE

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### General data

<b>Product name</b>	COLOSSAL 600mm 840 OPAL DIR WHITE DALI
<b>Technology</b>	LED (3 SDCM)
<b>Cap/Base</b>	N/A
<b>Housing</b>	Aluminium
<b>Mount</b>	Ceiling surface mounting, Suspended
<b>General application</b>	Hospitality, Office
<b>Operating temperature range (°C)</b>	10°C...+25°C
<b>ETIM Class</b>	EC002892
<b>Warranty</b>	5 years

### Optical data

<b>Fixture luminous flux (lm)</b>	5330
<b>Luminous flux (lm)</b>	5330
<b>Luminaire efficacy (lm/W)</b>	133
<b>Colour temperature (K)</b>	4000
<b>Colour Code</b>	840
<b>Light colour</b>	Neutral White
<b>CRI (Ra)</b>	80
<b>Colour Variation Initial (SDCM)</b>	SDCM3
<b>Distribution type</b>	Symmetric
<b>Glare control</b>	< 23
<b>Photobiological Risk Group</b>	RG0

### Electrical data

<b>Total power consumption (W)</b>	40.1
<b>Mains voltage (V)</b>	220-240V
<b>Lamp power factor</b>	0.99
<b>THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %</b>	4.7
<b>Electrical protection</b>	Class I
<b>Control gear required</b>	No
<b>Control gear type</b>	Other
<b>Transformer required</b>	No
<b>Dimmable</b>	Yes
<b>Dimming method</b>	DALI-2
<b>Drive current (mA)</b>	450
<b>Inrush Current (A)</b>	23
<b>Inrush Duration (µs)</b>	174
<b>Glow Wire Test (°C)</b>	650
<b>Energy Efficiency Class (A-&gt;G) of contained light source</b>	B
<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>LED Flickering Rate</b>	Ultra low (5% or less)
<b>Max. Luminaires per 10A C Breaker</b>	21
<b>Max. Luminaires per 13A C Breaker</b>	28
<b>Max. Luminaires per 16A C Breaker</b>	35
<b>Max. Luminaires per 20A C Breaker</b>	45
<b>Max. Luminaires per 10A B Breaker</b>	13
<b>Max. Luminaires per 13A B Breaker</b>	17

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Max. Luminaires per 16A B Breaker	21
Max. Luminaires per 20A B Breaker	27

### 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)	604
Weight (kg)	9.0

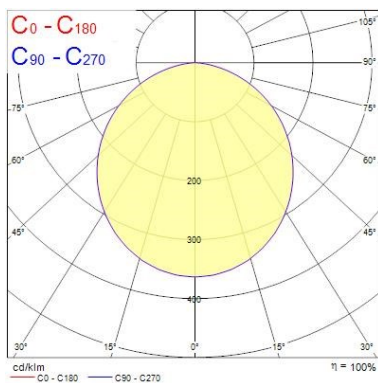
### Packaging

Single packaging type	Carton
Product EAN number	5025768711758
Packaging single length / height (cm)	14.0
Packaging single width (cm)	68.0
Packaging single depth (cm)	68.0
DUN14 (outer)	05025768711758
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



Distance [m]	Cone diameter [m]	E <sub>0</sub> [lx]	E <sub>1</sub> [lx]	E <sub>2</sub> [lx]
0.5	1.42	7748	54.8°	742
1.0	2.84	1937	54.8°	188
1.5	4.25	881	54.8°	82
2.0	5.67	484	54.8°	45
2.5	7.09	310	54.8°	30
3.0	8.51	215	54.8°	21

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 106.6°)

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### TECHNICAL DRAWINGS

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