

# Concord

MC2 D/I 1.2M 4K DALIEM BLK OPAL  
2071559



## Features

- MC2 D/I 1.2M 4K DALIEM BLK OPAL LED luminaire, black RAL9005 finishing, direct/indirect distribution (65/35), various accessories available, compact and minimalist design based on the Golden Mean, ideal for offices, meeting rooms, corridors, education facilities, museums and libraries, extruded aluminium body, diffuser: opal, colour temperature: 4000K neutral white, total system power: 30W, total fixture output: 4050lm, emergency output: 147lm, luminaire efficacy: 135lm/W, LOR: 100%, colour rendering: Ra >80, LED Chromacity: 3 step MacAdam ellipse, lifespan: 66,000 hours L90B10, IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, drive current: (Direct) 800mA + (Indirect) 350mA, electronic driver, DALI dimmable, direct/indirect independently addressable, integral emergency: 3 hour maintained, electrical protection: CLASS I, ingress protection rating: IP20, suitable for internal environment only.

## Product Overview

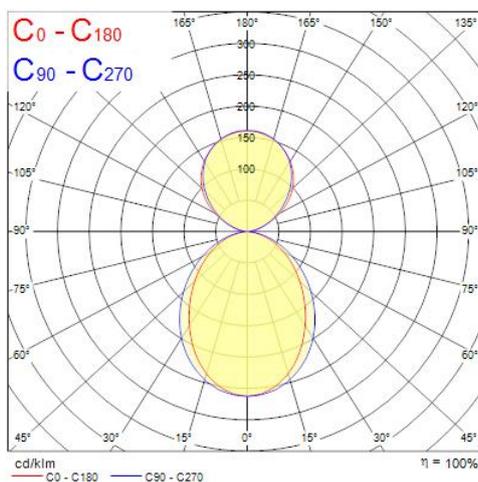
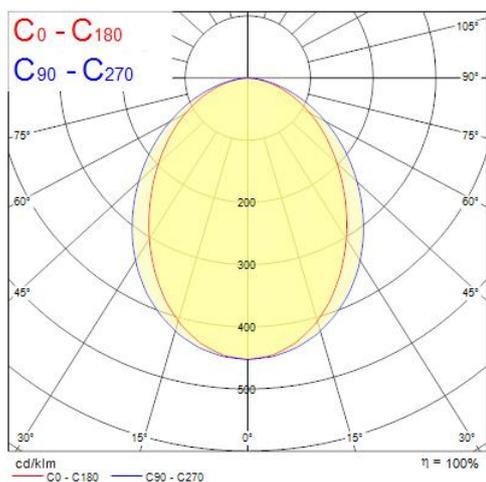
Product name	MC2 D/I 1.2M 4K DALIEM BLK OPAL
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
General application	Education, Hospitality, Office, Retail
ETIM Class	EC001743
Fixture luminous flux (lm)	4050
Luminaire efficacy (lm/W)	135
LOR (%)	100
Correlated colour temperature (k)	4000
Light colour	Neutral White

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## MC2 D/I 1.2M 4K DALIEM BLK OPAL 2071559

CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 21
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	147
Luminous flux (emergency) (lm)	147
Total power consumption (W)	30
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	Yes
Minimum dimming level (%)	1
Housing colour	Black
IP rating	IP20
IK rating	IK03
Product EAN number	5025768715596
Warranty	5 years
Dimming method	DALI

## Photometry



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.12 0.89	48.3°	41.8°	266 39 55	
1.0	2.24 1.79	48.3°	41.8°	67 10 14	
1.5	3.37 2.68	48.3°	41.8°	30 4 6	
2.0	4.49 3.58	48.3°	41.8°	17 2 3	
2.5	5.61 4.47	48.3°	41.8°	11 2 2	
3.0	6.73 5.36	48.3°	41.8°	7 1 2	

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 83.6°)  
 — C90 - C270 (Half beam angle: 96.6°)

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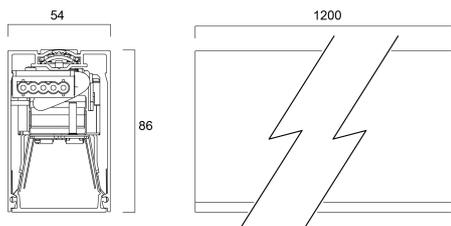
## MC2 D/I 1.2M 4K DALIEM BLK OPAL 2071559

Distance [m]	Cone diameter [m]	E(0°)	E(C90°)	E(C0°)	Illuminance [lx]
0.5	1.12 0.90	4252	48.3° 626	42.0° 875	
1.0	2.24 1.80	1063	48.3° 157	42.0° 219	
1.5	3.37 2.70	472	48.3° 70	42.0° 97	
2.0	4.49 3.60	268	48.3° 39	42.0° 55	
2.5	5.61 4.50	170	48.3° 25	42.0° 35	
3.0	6.73 5.40	118	48.3° 17	42.0° 24	

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 84.0°)  
— C90 - C270 (Half beam angle: 96.0°)

## Technical drawings



## Data table

### GENERAL DATA

<b>Product name</b>	MC2 D/I 1.2M 4K DALIEM BLK OPAL
<b>Technology</b>	LED (3 SDCM)
<b>Cap/Base</b>	N/A
<b>Housing</b>	Aluminium
<b>Mount</b>	Suspended
<b>General application</b>	Education, Hospitality, Office, Retail
<b>Operating temperature range (°C)</b>	1°C...+35°C
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC001743

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Warranty	5 years
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### OPTICAL DATA

Fixture luminous flux (lm)	4050
Luminaire efficacy (lm/W)	135
LOR (%)	100
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Adjustable chromaticity	N
Luminous Intensity (cd)	1063
Distribution type	Symmetric
Glare control	< 21
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	147
Luminous flux (emergency) (lm)	147
Emergency duration (h)	3

### ELECTRICAL DATA

Total power consumption (W)	30
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.95
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	Electronic ballast
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Min. drive current (mA)	350
Max. drive current (mA)	1050

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Drive current - Range (mA)	350mA / 1050mA
Inrush Current (A)	53
Inrush Duration (µs)	200
Energy Efficiency Class (A->G) of contained light source	C, B, C(more than 1 Light Source)
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	21
Max. products per 16A C Breaker	48
Max. products per 16A B Breaker	22
Connectable conductor cross section - Max (mm <sup>2</sup> )	1.5

### LIFETIME DATA

Lifespan L70 B50	120000
Lifespan L80 B20	92500
Lifespan L90 B10	66000

### PHYSICAL DATA

Housing colour	Black
IP rating	IP20
IK rating	IK03
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Reflector finish	Not Applicable
Nominal Product Length (mm)	1200
Nominal Product Width (mm)	54
Nominal Product Height (mm)	86
Weight (kg)	3.2

### PACKAGING

Product EAN number	5025768715596
Packaging single length / height (cm)	121.0
Packaging single width (cm)	11.0
Packaging single depth (cm)	11.0

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DUN14 (inner)	05025768715596
Units per outer package	1
Packaging outer length / height (cm)	121.0
Packaging outer width (cm)	11.0
Packaging outer depth (cm)	11.0

## SAFETY DATA

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Glow Wire Test (°C)	650
Optimal operating condition (°C)	1-35
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No