Concord

MC2 KIT 1.2M 4K DALIEM BLK OPAL
2071577

Features

• MC2-KIT 1.2M 4K DALIEM BLK OPAL LED luminaire, black RAL9005 finishing, direct distribution, suspended kit version is pre-wired and supplied complete with end caps and suspension cables, 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: 19W, total fixture output: 2400lm, emergency output: 147lm, luminaire efficacy: 126lm/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: 800mA, electronic driver, DALI dimmable, integral emergency: 3 hour maintained, electrical protection: CLASS I, IP20, suitable for internal environment only.
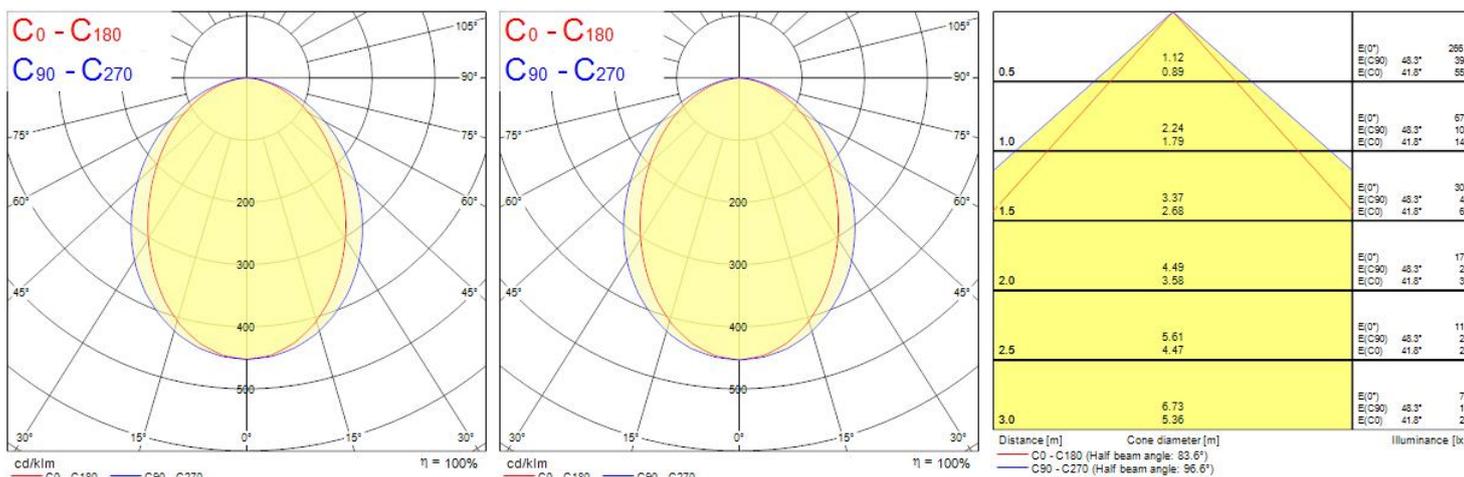
Product Overview

Product name	MC2 KIT 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)	2400
Luminaire efficacy (lm/W)	126
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White

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CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 24
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	147
Luminous flux (emergency) (lm)	147
Total power consumption (W)	19
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	5025768715770
Warranty	5 years
Useful luminous flux (#use)	2400
Dimming method	DALI

Photometry

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0.5	1.12 / 0.89	E(0°) 4353 / E(C90) 48.2° 645 / E(C0) 41.8° 903
1.0	2.24 / 1.79	E(0°) 1088 / E(C90) 48.2° 162 / E(C0) 41.8° 226
1.5	3.36 / 2.68	E(0°) 484 / E(C90) 48.2° 72 / E(C0) 41.8° 100
2.0	4.47 / 3.58	E(0°) 272 / E(C90) 48.2° 40 / E(C0) 41.8° 56
2.5	5.59 / 4.47	E(0°) 174 / E(C90) 48.2° 26 / E(C0) 41.8° 36
3.0	6.71 / 5.36	E(0°) 121 / E(C90) 48.2° 18 / E(C0) 41.8° 25

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

— C0 - C180 (Half beam angle: 83.6°)
— C90 - C270 (Half beam angle: 96.4°)
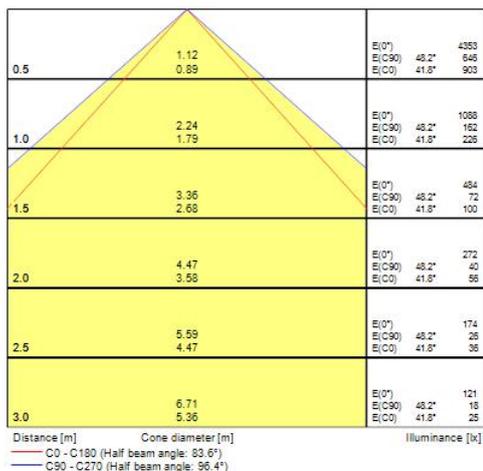
Technical drawings

1200

35

86

54
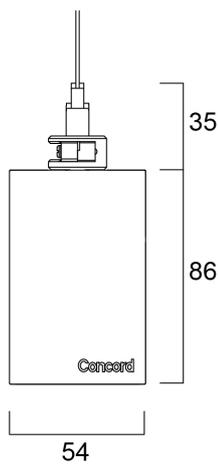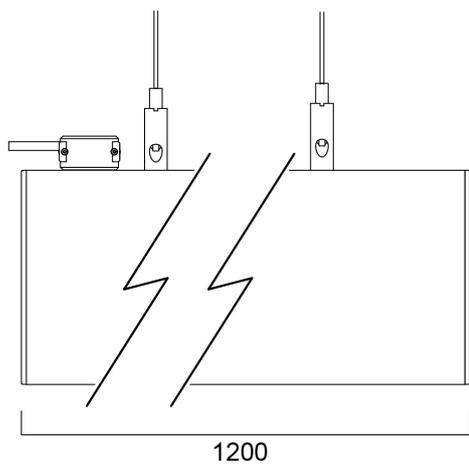
Data table

GENERAL DATA

Product name	MC2 KIT 1.2M 4K DALIEM BLK OPAL
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Aluminium

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Mount	Suspended
General application	Education, Hospitality, Office, Retail
Operating temperature range (°C)	1°C...+35°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001743
Warranty	5 years

OPTICAL DATA

Useful luminous flux (#use)	2400
Fixture luminous flux (lm)	2400
Luminaire efficacy (lm/W)	126
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Adjustable chromaticity	N
Luminous Intensity (cd)	1088
Distribution type	Symmetric
Glare control	< 24
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	147
Luminous flux (emergency) (lm)	147
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	19
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.98
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	6.1
Electrical protection	Class I

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Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Drive current - Range (mA)	350mA / 1050mA
Inrush Current (A)	40
Inrush Duration (µs)	178
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	C, C(more than 1 Light Source)
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	15
Max. products per 13A C Breaker	20
Max. products per 16A C Breaker	23
Max. products per 20A C Breaker	30
Max. products per 10A B Breaker	9
Max. products per 13A B Breaker	12
Max. products per 16A B Breaker	14
Max. products per 20A B Breaker	18
Connectable conductor cross section - Max (mm²)	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

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Reflector finish	White
Nominal Product Length (mm)	1200
Nominal Product Width (mm)	54
Nominal Product Height (mm)	86
Weight (kg)	3.8

PACKAGING

Product EAN number	5025768715770
Packaging single length / height (cm)	128.0
Packaging single width (cm)	15.0
Packaging single depth (cm)	15.0
DUN14 (outer)	05025768715770
Units per outer package	1
Packaging outer length / height (cm)	128.0
Packaging outer width (cm)	15.0
Packaging outer depth (cm)	15.0

SAFETY DATA

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

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