MC2 KIT 2.4M 4K DALI BLK OPAL

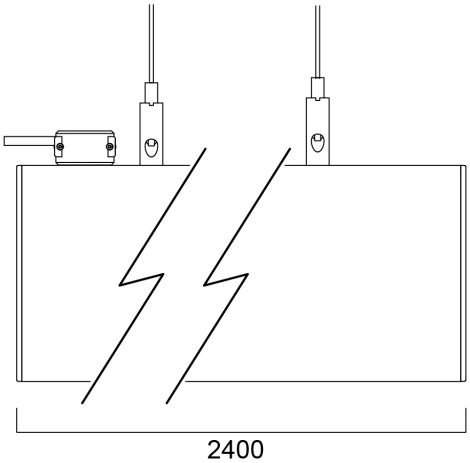
Item No: 2071576

Concord

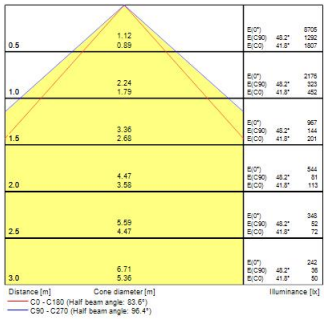
MC2-KIT 2.4M 4K DALI BLK OPAL LED luminaire, black RAL9005 finishing, direct distribution, suspended kit version is pre-wired and supplied complete with end caps and suspension cables, compact and minimalist design based on the Golden Mean, ideal for offices, meeting rooms, corridors, education facilities, museums and libraries, extruded aluminium body, diffuser: opal, colour temperature: 4000K neutral white, total system power: 36W, total fixture output: 4800lm, luminaire efficacy: 133lm/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, electrical protection: CLASS I, IP20, suitable for internal environment only.

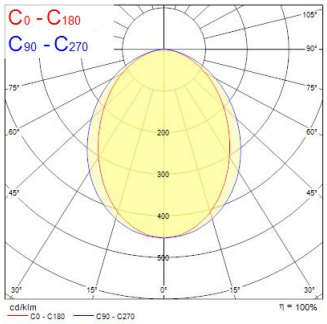
Technical Assets

Dimensions (mm)



Photometrics





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General data

Product name	MC2 KIT 2.4M 4K DALI BLK OPAL
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
Built in presence detector	NONE
General application	Office, Education, Retail
Operating temperature range (°C)	1°C...+40°C
Performance ambient temperature Tq (°C)	25
Virtual assistant compatibility	N/A
ETIM Class	EC001743
E-number FI	4170339
Warranty	5 years

Optical data

Fixture luminous flux (lm)	4800
Luminaire efficacy (lm/W)	133
LOR (%)	100
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Adjustable chromaticity	N
Distribution type	Symmetric
Glare control	< 25
Photobiological Risk Group	RG0

Electrical data

Emergency type	
Total power consumption (W)	36
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.98
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	6.1
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2
Minimum dimming level (%)	1
Min. drive current (mA)	350
Max. drive current (mA)	1050
Drive current - Range (mA)	350mA / 1050mA
Inrush Current (A)	35
Inrush Duration (µs)	170
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	21
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	35
Max. products per 20A C Breaker	45
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17
Max. products per 16A B Breaker	21
Max. products per 20A B Breaker	27
Connectable conductor cross section - Min (mm^2)	0.75
Connectable conductor cross section - Max (mm^2)	1.5

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Lifetime data

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

Physical data

Housing colour	RAL 9005 - Jet black
IP rating	IP20
IK rating	IK03
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Reflector finish	Not Applicable
Nominal Product Length (mm)	2400
Nominal Product Width (mm)	54
Nominal Product Height (mm)	86
Weight (kg)	5.56

Packaging

Product EAN number	5025768715763
Packaging single length / height (cm)	256.0
Packaging single width (cm)	15.0
Packaging single depth (cm)	15.0
DUN14 (inner)	05025768715763
Units per outer package	1
Packaging outer length / height (cm)	256.0
Packaging outer width (cm)	15.0
Packaging outer depth (cm)	15.0

Safety data

Glow Wire Test (°C)	650
Optimal operating condition (°C)	1-40