

# MC2 D/I KIT 1.2M 3K DALI WHT PRIS

Item No: 2071461

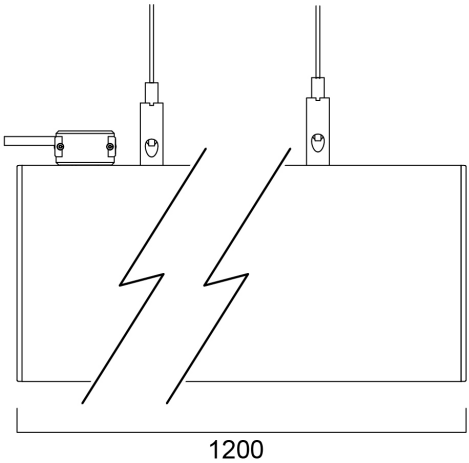
Concord



MC2-KIT D/I 1.2M 3K DALI WHT PRIS LED luminaire, white RAL9016 finishing, direct/indirect distribution (65/35), 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: micro prismatic, colour temperature: 3000K warm white, total system power: 29W, total fixture output: 3750lm, luminaire efficacy: 129lm/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, electrical protection: CLASS I, IP20, suitable for internal environment only.

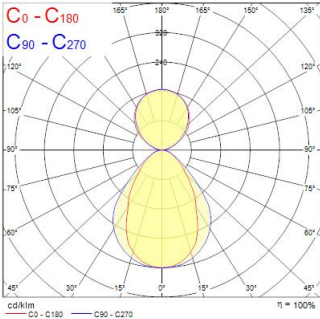
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam diameter [m] | Beam angle [°] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|-------------------|----------------|----------------|------------------|
| 0.5          | 0.55<br>0.65      | 0.55<br>0.65      | 43.8°<br>51.4° | 43.8°<br>51.4° | 4812<br>354      |
| 1.0          | 1.10<br>1.37      | 1.10<br>1.37      | 43.8°<br>51.4° | 43.8°<br>51.4° | 1203<br>231      |
| 1.5          | 1.65<br>2.05      | 1.65<br>2.05      | 43.8°<br>51.4° | 43.8°<br>51.4° | 636<br>135       |
| 2.0          | 2.20<br>2.74      | 2.20<br>2.74      | 43.8°<br>51.4° | 43.8°<br>51.4° | 391<br>85        |
| 2.5          | 2.75<br>3.42      | 2.75<br>3.42      | 43.8°<br>51.4° | 43.8°<br>51.4° | 192<br>37        |
| 3.0          | 3.30<br>4.11      | 3.30<br>4.11      | 43.8°<br>51.4° | 43.8°<br>51.4° | 124<br>25        |



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## General data

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Product name                            | MC2 D/I KIT 1.2M 3K DALI WHT PRIS |
| 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                             | 4170300                           |
| Warranty                                | 5 years                           |

## Optical data

|                                   |            |
|-----------------------------------|------------|
| Fixture luminous flux (lm)        | 3750       |
| Luminaire efficacy (lm/W)         | 129        |
| LOR (%)                           | 100        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |
| CRI (Ra)                          | 80         |
| Colour Variation Initial (SDCM)   | SDCM3      |
| Adjustable chromaticity           | N          |
| Distribution type                 | Symmetric  |
| Glare control                     | < 19       |
| Photobiological Risk Group        | RG0        |

## Electrical data

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| Emergency type                                                   |                                |
| Total power consumption (W)                                      | 29                             |
| Primary Supply/Product voltage - min (V)                         | 220.0                          |
| Primary Supply/Product voltage - max (V)                         | 240.0                          |
| Lamp power factor                                                | 0.97                           |
| 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                                                         | 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)                                               | 29                             |
| Inrush Duration (µs)                                             | 180                            |
| Energy Efficiency Class (A->G) of contained light source         | C, C(more than 1 Light Source) |
| 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                                  | 36                             |
| 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                                  | 22                             |
| Max. products per 20A B Breaker                                  | 27                             |
| Connectable conductor cross section - Min (mm²)                  | 0.75                           |
| Connectable conductor cross section - Max (mm²)                  | 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 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK03                             |
| Diffuser finish             | Prismatic                        |
| 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                    | 5025768714612  |
| Packaging single length / height (cm) | 121.0          |
| Packaging single width (cm)           | 11.0           |
| Packaging single depth (cm)           | 11.0           |
| DUN14 (inner)                         | 05025768714612 |
| 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

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