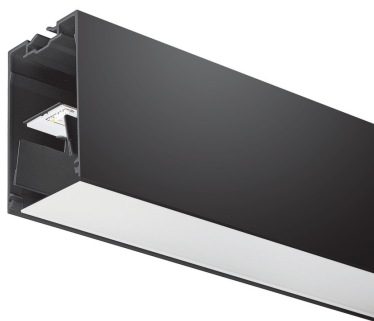


# Concord

## MC2 1.2M 4K DALI BLK OPAL 2071582



### Features

- MC2 1.2M 4K DALI BLK OPAL LED luminaire, black RAL9005 finishing, direct distribution, trimless detail for a seamless finish, suitable for recessed, semi-recessed, surface-mounted or suspended installation either horizontally or vertically, 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: 18W, total fixture output: 2400lm, 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 internal environment only.

### Product Overview

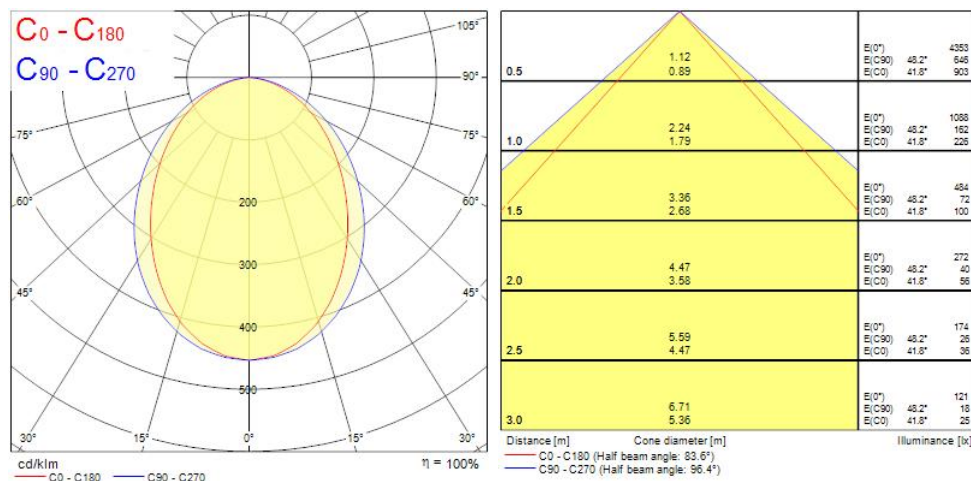
|                                   |  |
|-----------------------------------|--|
| Product name                      | MC2 1.2M 4K DALI BLK OPAL              |
| Technology                        | LED (3 SDCM)                           |
| Cap/Base                          | N/A                                    |
| Housing                           | Aluminium                              |
| Mount                             | Ceiling recessed mounting              |
| General application               | Education, Hospitality, Office, Retail |
| ETIM Class                        | EC002892                               |
| E-number FI                       | 4170349                                |
| Fixture luminous flux (lm)        | 2400                                   |
| Luminaire efficacy (lm/W)         | 133                                    |
| LOR (%)                           | 100                                    |
| Correlated colour temperature (k) | 4000                                   |

# Concord

## MC2 1.2M 4K DALI BLK OPAL 2071582

|                                 |                    |
|---------------------------------|--------------------|
| Light colour                    | Neutral White      |
| CRI (Ra)                        | 80                 |
| Colour Variation Initial (SDCM) | 3                  |
| Glare control                   | < 24               |
| Photobiological Risk Group      | RG0                |
| Total power consumption (W)     | 18                 |
| 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              | 5025768715824      |
| Warranty                        | 5 years            |
| Dimming method                  | DALI               |

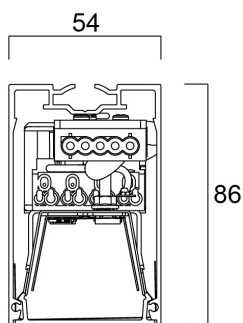
### Photometry



# Concord

MC2 1.2M 4K DALI BLK OPAL  
2071582

## Technical drawings



## Data table

### GENERAL DATA

|   |  |
|---|--|
| Product name                            | MC2 1.2M 4K DALI BLK OPAL              |
| Technology                              | LED (3 SDCM)                           |
| Cap/Base                                | N/A                                    |
| Housing                                 | Aluminium                              |
| Mount                                   | Ceiling recessed mounting              |
| General application                     | Education, Hospitality, Office, Retail |
| Operating temperature range (°C)        | 1°C...+40°C                            |
| Performance ambient temperature Tq (°C) | 25                                     |
| ETIM Class                              | EC002892                               |
| E-number FI                             | 4170349                                |
| Warranty                                | 5 years                                |

### OPTICAL DATA

|                            |      |
|----------------------------|------|
| Fixture luminous flux (lm) | 2400 |
| Luminaire efficacy (lm/W)  | 133  |

# Concord

## MC2 1.2M 4K DALI BLK OPAL 2071582

|                                   |               |
|-----------------------------------|---------------|
| 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)           | 1088          |
| Distribution type                 | Symmetric     |
| Glare control                     | < 24          |
| Photobiological Risk Group        | RG0           |

### ELECTRICAL DATA

|   |                    |
|---|--------------------|
| Total power consumption (W)   | 18                 |
| 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) $\leq$ xx.x % | 6.1                |
| 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               |
| Drive current - Range (mA)  | 350mA / 1050mA     |
| Inrush Current (A)  | 40                 |
| Inrush Duration ( $\mu$ s)  | 178                |
| Energy Efficiency Class (A->G) of contained light source              | C                  |
| 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                 |

# Concord

## MC2 1.2M 4K DALI BLK OPAL 2071582

|  |     |
|--|-----|
| 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 (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              |
| Recessed Depth (mm)         | 136              |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768715824  |
| Packaging single length / height (cm) | 121.0          |
| Packaging single width (cm)           | 11.0           |
| Packaging single depth (cm)           | 11.0           |
| DUN14 (inner)                         | 05025768715824 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 121.0          |

# Concord

MC2 1.2M 4K DALI BLK OPAL  
2071582

|                            |      |
|----------------------------|------|
| 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 |
| Special purpose lamp                | No   |
| Dry applications use only           | No   |
| Suitable for household illumination | No   |