

# Concord Beacon Muse 4000k SM O/B Dim Black

Item No: 2062570

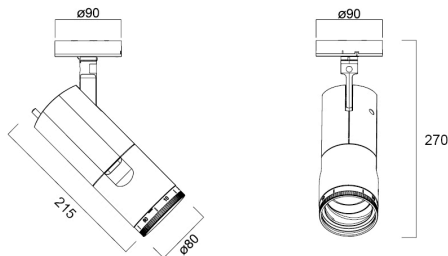
**Concord**



Simple and slick integral design with no driver box and without any visible screws New technology utilization for improved performance Extremely precise light beams due to the high-quality lens ø80mm die-cast aluminium body, Adjustable beam angle: between 8° - 55°, Textured black finishing colour Light color temperature: 4000K, natural light System power: 18W, Fixture lumen output: 1100lm, efficacy: 61lm/W, Ra97 typical, LED chromacity: 2 step MacAdam ellipse LED source (SDCM2), IR/UV free light source without heat radiation Operating voltage 220-240V / 50-60Hz, dimmable via on-board potentiometer, Surface mounting with surface mounting base. Electrical protection: Class II. Degree of protection: IP20, suitable for indoor environment only Horizontal rotation: 355°, vertical tilt: 90° Nominal product dimensions: D.80mmx215mm 5 years warranty. Suitable for ceiling surface mounting, and wall surface mounting

## Technical Assets

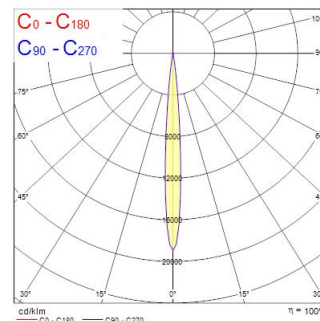
### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam diameter [mm] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|--------------------|----------------|------------------|
| 0.5          | 0.05              | 50                 | 4.3°           | 4133             |
| 1.0          | 0.15              | 150                | 4.3°           | 1049             |
| 1.5          | 0.23              | 225                | 4.3°           | 668              |
| 2.0          | 0.30              | 300                | 4.3°           | 415              |
| 2.5          | 0.38              | 380                | 4.3°           | 281              |
| 3.0          | 0.45              | 450                | 4.3°           | 192              |

Distance [m] Cone diameter [m] Illuminance [lx]  
 C0 - C180 (Half beam angle: 8.6°)



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## General data

|                                  |  |
|----------------------------------|--|
| Product name                     | Concord Beacon Muse 4000k SM O/B Dim Black     |
| Technology                       | LED  |
| Cap/Base                         | N/A  |
| Housing                          | Aluminium                                      |
| Mount                            | Ceiling surface mounting, Wall surface mounted |
| Built in presence detector       | NONE   |
| Fixture rating                   | Enclosed                                       |
| General application              | Museums & Galleries, Retail, Hospitality       |
| Operating temperature range (°C) | -10°C...+35°C                                  |
| Virtual assistant compatibility  | N/A  |
| ETIM Class                       | EC001744                                       |
| Warranty                         | 5 years  |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 1100          |
| Luminaire efficacy (lm/W)         | 61            |
| LOR (%)                           | 100           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 97            |
| Colour Variation Initial (SDCM)   | SDCM2         |
| Luminous Intensity (cd)           | 1100          |
| Distribution type                 | Symmetric     |
| Photobiological Risk Group        | RG1           |

## Electrical data

|  |                             |
|--|-----------------------------|
| Emergency type   |                             |
| Total power consumption (W)                                      | 18                          |
| Supply current (A)   | 0.082                       |
| Primary Supply/Product voltage - min (V)                         | 220.0                       |
| Primary Supply/Product voltage - max (V)                         | 240.0                       |
| Lamp power factor  | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 7.9                         |
| Electrical protection  | Class II                    |
| Control gear type  | LED driver constant current |
| Dimmable   | Yes                         |
| Dimming method   | Onboard pot                 |
| Minimum dimming level (%)  | 1                           |
| Drive current (mA)   | 500                         |
| Inrush Current (A)   | 5                           |
| Inrush Duration (µs)   | 50                          |
| Energy Efficiency Class (A->G) of contained light source         | E                           |
| Nominal Frequency (Hz)   | 50/60Hz                     |
| Max. products per 10A C Breaker                                  | 31                          |
| Max. products per 13A C Breaker                                  | 65                          |
| Max. products per 16A C Breaker                                  | 85                          |
| Max. products per 20A C Breaker                                  | 104                         |
| Max. products per 10A B Breaker                                  | 31                          |
| Max. products per 13A B Breaker                                  | 39                          |
| Max. products per 16A B Breaker                                  | 50                          |
| Max. products per 20A B Breaker                                  | 62                          |

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B50 | 100000 |
| Lifespan L90 B50 | 49000  |

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### Physical data

|                             |                      |
|-----------------------------|----------------------|
| Housing colour              | RAL 9005 - Jet black |
| IP rating                   | IP20                 |
| IK rating                   | IK02                 |
| Diffuser finish             | Frosted              |
| Diffuser material           | Other                |
| Reflector finish            | Matt                 |
| Nominal Product Length (mm) | 215                  |
| Nominal Product Width (mm)  | 80                   |
| Nominal Product Height (mm) | 270                  |
| Weight (kg)                 | 1.02                 |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768625703  |
| Packaging single length / height (cm) | 30.5           |
| Packaging single width (cm)           | 13.5           |
| Packaging single depth (cm)           | 20.5           |
| DUN14 (inner)                         | 05025768625703 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 30.5           |
| Packaging outer width (cm)            | 13.5           |
| Packaging outer depth (cm)            | 20.5           |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Glow Wire Test (°C)              | 650    |
| Optimal operating condition (°C) | -10-35 |
| Dry applications use only        | Yes    |