

Concord

BEACON LED MUSE II 97CRI 3000K L3+DALI BLACK 2059746



Features

- Integrated LED spotlight, black RAL 9005, unique soft-touch ring, adjustable beam angle from a 8° spot to a 55° flood, compact and minimalist design, ideal for museum, gallery and high-end retail applications, die-cast aluminium body, passive cooling heatsink, beam angle: 8° spot to 55° flood, optics: aspheric glass lens, colour temperature: 3000K warm white, total system power: 21W, total fixture output: 1081lm, luminaire efficacy: 51lm/W, LOR: 100%, colour rendering: Ra 97 typical, R9 value at 90, LED Chromacity: 3 step MacAdam ellipse, IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, drive current: 500mA, electronic driver, DALI dimmable, power factor: 0.9 electrical protection: CLASS II, 3-circuit DALI track adaptor, suitable for Concord Lytespan 3+DALI track, ingress protection rating: IP20. IMPORTANT NOTE: This fixture can only be used on the Lytespan DALI or Lytebeam DALI tracks !

Product Overview

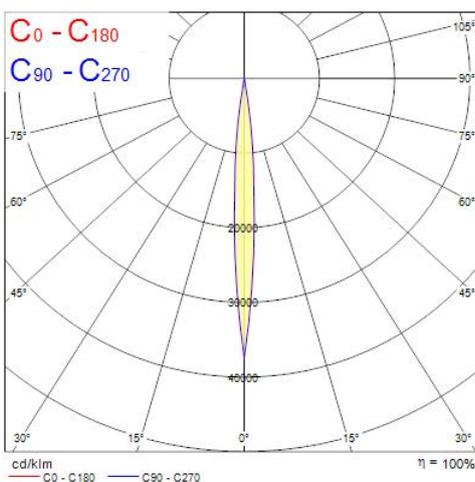
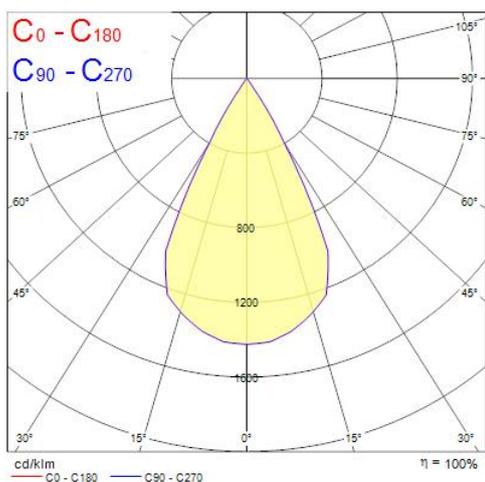
| | |
|-----------------------------------|--|
| Product name | BEACON LED MUSE II 97CRI 3000K L3+DALI BLACK |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Aluminium |
| Mount | Track mounting |
| General application | Museums & Galleries |
| ETIM Class | EC001744 |
| E-number FI | 4280894 |
| Fixture luminous flux (lm) | 553/1081 |
| Luminaire efficacy (lm/W) | 52 |
| LOR (%) | 100 |
| Correlated colour temperature (k) | 3000 |
| Light colour | Warm White |

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| | |
|---------------------------------|--------------------|
| CRI (Ra) | 97 |
| Colour Variation Initial (SDCM) | 3 |
| Photobiological Risk Group | RG1 |
| Total power consumption (W) | 21 |
| Electrical protection | Class II |
| Control gear type | Electronic ballast |
| Dimmable | Yes |
| Housing colour | RAL9005 |
| IP rating | IP20 |
| IK rating | IK02 |
| Product EAN number | 5025768597468 |
| Warranty | 5 years |
| Dimming method | DALI |

Photometry



| Distance [m] | Cone diameter [m] | E _(0°) E _(C0) | 4.0° | Illuminance [lx] |
|--------------|-------------------|--|------|------------------|
| 0.5 | 0.07 | E _(0°) E _(C0) | 4.0° | 82823 41860 |
| 1.0 | 0.14 | E _(0°) E _(C0) | 4.0° | 20706 10465 |
| 1.5 | 0.21 | E _(0°) E _(C0) | 4.0° | 9203 4651 |
| 2.0 | 0.28 | E _(0°) E _(C0) | 4.0° | 5175 2616 |
| 2.5 | 0.35 | E _(0°) E _(C0) | 4.0° | 3313 1674 |
| 3.0 | 0.42 | E _(0°) E _(C0) | 4.0° | 2301 1163 |

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

— C₀ - C₁₈₀ (Half beam angle: 8.0°)

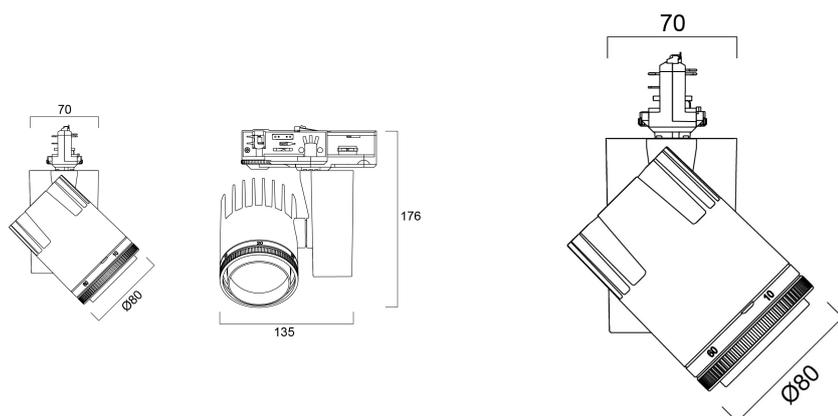
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| | | | | |
|-----|------|----------------|-------|--------------|
| 0.5 | 0.52 | E(0°) E(C0) | 27.4° | 6160 2182 |
| 1.0 | 1.04 | E(0°) E(C0) | 27.4° | 1540 546 |
| 1.5 | 1.56 | E(0°) E(C0) | 27.4° | 684 242 |
| 2.0 | 2.07 | E(0°) E(C0) | 27.4° | 385 136 |
| 2.5 | 2.59 | E(0°) E(C0) | 27.4° | 246 87 |
| 3.0 | 3.11 | E(0°) E(C0) | 27.4° | 171 61 |

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 54.8°)

Technical drawings



Data table

GENERAL DATA

| | |
|---------------------|---|
| Product name | BEACON LED MUSE II 97CRI 3000K L3+DALI BLACK |
| Technology | LED |
| Cap/Base | N/A |

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| | |
|---|---------------------|
| Housing | Aluminium |
| Mount | Track mounting |
| General application | Museums & Galleries |
| Performance ambient temperature Tq (°C) | 25 |
| ETIM Class | EC001744 |
| E-number FI | 4280894 |
| Warranty | 5 years |

OPTICAL DATA

| | |
|-----------------------------------|------------|
| Fixture luminous flux (lm) | 553/1081 |
| Luminaire efficacy (lm/W) | 52 |
| LOR (%) | 100 |
| Correlated colour temperature (k) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 97 |
| Colour Variation Initial (SDCM) | 3 |
| Photobiological Risk Group | RG1 |

ELECTRICAL DATA

| | |
|--|--------------------|
| Total power consumption (W) | 21 |
| Primary Supply/Product voltage - min (V) | 230 |
| Primary Supply/Product voltage - max (V) | 240 |
| Electrical protection | Class II |
| Control gear required | No |
| Control gear type | Electronic ballast |
| Dimmable | Yes |
| Dimming method | DALI |
| Drive current (mA) | 500 |
| Inrush Current (A) | 45 |
| Inrush Duration (µs) | 20 |
| Energy Efficiency Class (A->G) of contained light source | F |
| Nominal Frequency (Hz) | 50/60Hz |

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|---------------------------------|----|
| Max. products per 10A C Breaker | 50 |
| Max. products per 16A C Breaker | 80 |

LIFETIME DATA

| | |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 100000 |
| Lifespan L90 B10 | 47500 |

PHYSICAL DATA

| | |
|-------------------------------|---------|
| Housing colour | RAL9005 |
| IP rating | IP20 |
| IK rating | IK02 |
| Nominal Product Width (mm) | 135 |
| Nominal Product Height (mm) | 176 |
| Nominal Product Diameter (mm) | 80 |
| Weight (kg) | 0.95 |

PACKAGING

| | |
|---------------------------------------|----------------|
| Product EAN number | 5025768597468 |
| Packaging single length / height (cm) | 17.5 |
| Packaging single width (cm) | 15.0 |
| Packaging single depth (cm) | 17.5 |
| DUN14 (inner) | 05025768597468 |
| Units per outer package | 1 |
| Packaging outer length / height (cm) | 17.5 |
| Packaging outer width (cm) | 15.0 |
| Packaging outer depth (cm) | 17.5 |

SAFETY DATA

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