

# BEACON 85CRI 3K MEDIUM BEAM L3 TRAILING EDGE BLACK

Item No: 2059666

Concord



Integrated LED spotlight, black RAL 9005, compact and minimalist design, ideal for retail and display applications, die-cast aluminium body, passive cooling heatsink, beam angle: 38° medium beam, optics: Aluminium reflector, colour temperature: 3000K warm white, total system power: 21W, total fixture output: 2269lm, luminaire efficacy: 108lm/W, LOR: 100%, colour rendering: Ra 85 typical, 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, trailing edge dimmable, power factor: 0.9 electrical protection: CLASS II, 3-circuit track adaptor, suitable for Concord Lytespan 3 track, ingress protection rating: IP20, suitable for internal environment only, horizontal rotation: 355°, vertical tilt: 90°, dimensions: Ø80x130x190mm, weight: 0.96kg.

## Technical Assets

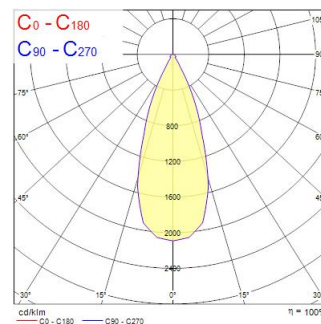
### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam diameter [m] | Illuminance [lx] |
|--------------|-------------------|-------------------|------------------|
| 0.5          | 0.35              | Ø17               | 1874             |
| 1.0          | 0.69              | Ø34               | 474              |
| 1.5          | 1.04              | Ø51               | 210              |
| 2.0          | 1.39              | Ø68               | 138              |
| 2.5          | 1.73              | Ø85               | 92               |
| 3.0          | 2.08              | Ø102              | 61               |

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 38.2°)



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### General data

|   |  |
|---|--|
| Product name                            | BEACON 85CRI 3K MEDIUM BEAM L3 TRAILING EDGE BLACK |
| Technology                              | LED  |
| Cap/Base                                | N/A  |
| Housing                                 | Aluminium  |
| Mount                                   | Track mounting                                     |
| Environment                             | Internal   |
| General application                     | Museums & Galleries, Retail                        |
| Performance ambient temperature Tq (°C) | 25   |
| ETIM Class                              | EC001744   |
| E-number FI                             | 4280816  |
| E-number SE                             | 7401243  |
| Warranty                                | 5 years  |

### Optical data

|                                   |            |
|-----------------------------------|------------|
| Fixture luminous flux (lm)        | 2269       |
| Luminaire efficacy (lm/W)         | 108        |
| LOR (%)                           | 100        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |
| CRI (Ra)                          | 85         |
| Colour Consistency (SDCM)         | 3          |
| Adjustable chromaticity           | N          |
| Beam Angle (°)                    | 38         |
| Photobiological Risk Group        | RG1        |

### Electrical data

|  |                           |
|--|---------------------------|
| Total power consumption (W)                              | 21                        |
| Primary Supply/Product voltage - min (V)                 | 220.0                     |
| Primary Supply/Product voltage - max (V)                 | 240.0                     |
| Lamp power factor  | 0.9                       |
| Electrical protection                                    | Class II                  |
| Control gear type  | Electronic ballast        |
| Dimmable   | Yes                       |
| Dimming method   | Mains: trailing edge only |
| Minimum dimming level (%)                                | 3                         |
| Drive current (mA)                                       | 500                       |
| Inrush Current (A)                                       | 45                        |
| Inrush Duration (µs)                                     | 20                        |
| Energy Efficiency Class (A->G) of contained light source | D                         |
| Nominal Frequency (Hz)                                   | 50/60Hz                   |
| Max. products per 10A C Breaker                          | 48                        |
| Max. products per 16A C Breaker                          | 80                        |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 72000 |
| Lifespan L70 B10 | 72000 |
| Lifespan L80 B50 | 72000 |
| Lifespan L80 B20 | 72000 |
| Lifespan L80 B10 | 72000 |
| Lifespan L90 B50 | 43000 |
| Lifespan L90 B20 | 36000 |
| Lifespan L90 B10 | 33000 |

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## Physical data

|                             |       |
|-----------------------------|-------|
| Housing colour              | Black |
| IP rating                   | IP20  |
| IK rating                   | IK02  |
| Nominal Product Length (mm) | 70    |
| Nominal Product Width (mm)  | 130   |
| Nominal Product Height (mm) | 169   |
| Weight (kg)                 | 1.543 |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768596669  |
| Packaging single length / height (cm) | 6.299          |
| Packaging single width (cm)           | 6.929          |
| Packaging single depth (cm)           | 7.165          |
| DUN14 (inner)                         | 05025768596669 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 6.299          |
| Packaging outer width (cm)            | 6.929          |
| Packaging outer depth (cm)            | 7.165          |

## Safety data

|                     |     |
|---------------------|-----|
| Glow Wire Test (°C) | 650 |
|---------------------|-----|