

## Beacon LED - High Output

*BEACON 85CRI 3K WIDE BEAM L3 TRAILING EDGE BLACK*  
2059668



### Product features

- 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: 55° wide beam, optics: Aluminium reflector, colour temperature: 3000K warm white, total system power: 21W, total fixture output: 2208lm, luminaire efficacy: 105lm/W, LOR: 100%, colour rendering: Ra 85 typical, LED Chromacity: 3 step MacAdam ellipse, lifetime: >72,000 hours at L80B50, energy class: A++, A+, A, 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.



### PRODUCT OVERVIEW

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Product name                | BEACON 85CRI 3K WIDE BEAM L3 TRAILING EDGE BLACK |
| Technology                  | LED                                              |
| Housing                     | Aluminium                                        |
| Mount                       | Track mounting                                   |
| Environment                 | Internal                                         |
| General application         | Museums & Galleries, Retail                      |
| ETIM Class                  | EC001744                                         |
| E-number FI                 | 4280818                                          |
| E-number SE                 | 7401245                                          |
| Warranty                    | 5 years                                          |
| Fixture luminous flux (lm)  | 2208                                             |
| Luminaire efficacy (lm/W)   | 105                                              |
| LOR (%)                     | 100                                              |
| Colour temperature (K)      | 3000                                             |
| Light colour                | Warm White                                       |
| CRI (Ra)                    | 85                                               |
| Colour Consistency (SDCM)   | 3                                                |
| Beam Angle (°)              | 55                                               |
| Photobiological Risk Group  | RG1                                              |
| Total power consumption (W) | 21                                               |
| Product Voltage (V)         | 240                                              |
| Electrical protection       | Class II                                         |
| Control gear type           | Electronic ballast                               |
| Dimming method              | Mains: trailing edge only                        |
| Minimum dimming level (%)   | 97                                               |
| Housing colour              | Black                                            |
| IP rating                   | IP20                                             |
| IK rating                   | IK02                                             |
| Product EAN number          | 5025768596683                                    |

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## DATA TABLE

### General data

|                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| Product name                                        | BEACON 85CRI 3K WIDE BEAM L3 TRAILING EDGE BLACK |
| Technology                                          | LED                                              |
| Housing                                             | Aluminium                                        |
| Mount                                               | Track mounting                                   |
| Environment                                         | Internal                                         |
| General application                                 | Museums & Galleries, Retail                      |
| Performance ambient temperature T <sub>a</sub> (°C) | 25                                               |
| ETIM Class                                          | EC001744                                         |
| E-number FI                                         | 4280818                                          |
| E-number SE                                         | 7401245                                          |
| Warranty                                            | 5 years                                          |

### Optical data

|                            |            |
|----------------------------|------------|
| Fixture luminous flux (lm) | 2208       |
| Luminaire efficacy (lm/W)  | 105        |
| LOR (%)                    | 100        |
| Colour temperature (K)     | 3000       |
| Light colour               | Warm White |
| CRI (Ra)                   | 85         |
| Colour Consistency (SDCM)  | 3          |
| Adjustable chromaticity    | N          |
| Beam Angle (°)             | 55         |
| Photobiological Risk Group | RG1        |

### Electrical data

|                                                          |                           |
|----------------------------------------------------------|---------------------------|
| Total power consumption (W)                              | 21                        |
| Mains voltage (V)                                        | 220-240V                  |
| Product Voltage (V)                                      | 240                       |
| Lamp power factor                                        | 0.9                       |
| Electrical protection                                    | Class II                  |
| Control gear type                                        | Electronic ballast        |
| Transformer required                                     | Yes                       |
| Dimming method                                           | Mains: trailing edge only |
| Minimum dimming level (%)                                | 97                        |
| Drive current (mA)                                       | 500                       |
| Inrush Current (A)                                       | 45                        |
| Inrush Duration (µs)                                     | 20                        |
| Glow Wire Test (°C)                                      | 650                       |
| Energy Efficiency Class (A->G) of contained light source | D                         |
| Nominal Frequency (Hz)                                   | 50/60Hz                   |
| Max. Luminaires per 10A C Breaker                        | 48                        |
| Max. Luminaires per 16A C Breaker                        | 80                        |

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#### 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 |

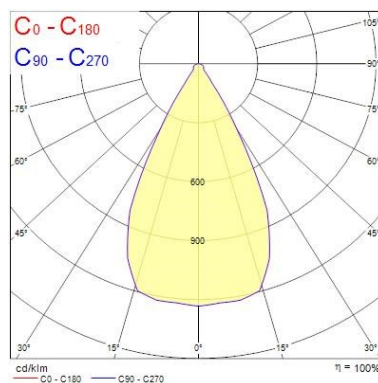
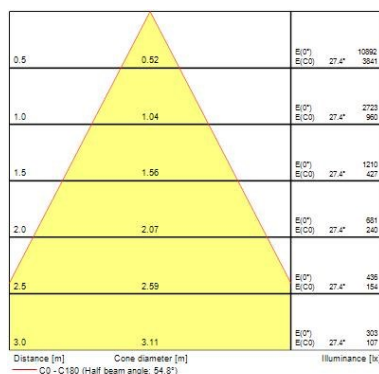
#### Physical data

|                               |       |
|-------------------------------|-------|
| Housing colour                | Black |
| IP rating                     | IP20  |
| IK rating                     | IK02  |
| Nominal Product Length (mm)   | 70    |
| Nominal Product Width (mm)    | 130   |
| Nominal Product Height (mm)   | 169   |
| Nominal Product Diameter (mm) | 80    |
| Weight (kg)                   | 1.543 |

#### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768596683  |
| Packaging single length / height (cm) | 6.299          |
| Packaging single width (cm)           | 6.929          |
| Packaging single depth (cm)           | 7.165          |
| DUN14 (outer)                         | 05025768596683 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 6.299          |
| Packaging outer width (cm)            | 6.929          |
| Packaging outer depth (cm)            | 7.165          |

## PHOTOMETRY



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### TECHNICAL DRAWINGS

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