

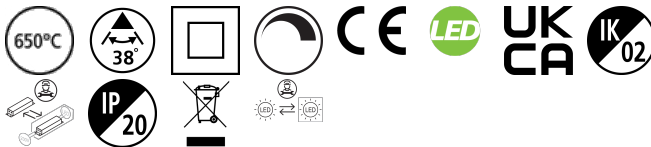
## Beacon LED - High Output

*BEACON 85CRI 4K MEDIUM BEAM L3 TRAILING EDGE WHITE*  
2059673



### Product features

- Integrated LED spotlight, white RAL 9016, 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: 4000K neutral white, total system power: 21W, total fixture output: 2348lm, luminaire efficacy: 112lm/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 4K MEDIUM BEAM L3 TRAILING EDGE WHITE |
| Technology                  | LED                                                |
| Cap/Base                    | N/A                                                |
| Housing                     | Aluminium                                          |
| Mount                       | Track mounting                                     |
| Environment                 | Internal                                           |
| General application         | Museums & Galleries, Retail                        |
| ETIM Class                  | EC001744                                           |
| E-number FI                 | 4280829                                            |
| E-number SE                 | 7401250                                            |
| Warranty                    | 5 years                                            |
| Fixture luminous flux (lm)  | 2348                                               |
| Luminaire efficacy (lm/W)   | 112                                                |
| LOR (%)                     | 100                                                |
| Colour temperature (K)      | 4000                                               |
| Light colour                | Neutral White                                      |
| CRI (Ra)                    | 85                                                 |
| Colour Consistency (SDCM)   | 3                                                  |
| Beam Angle (°)              | 38                                                 |
| Photobiological Risk Group  | RG1                                                |
| Total power consumption (W) | 21                                                 |
| Electrical protection       | Class II                                           |
| Control gear type           | Electronic ballast                                 |
| Dimmable                    | Yes                                                |
| Dimming method              | Mains: trailing edge only                          |
| Minimum dimming level (%)   | 3                                                  |
| Housing colour              | White                                              |
| IP rating                   | IP20                                               |
| IK rating                   | IK02                                               |
| Product EAN number          | 5025768596737                                      |

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## DATA TABLE

### General data

|                                                     |                                                    |
|-----------------------------------------------------|----------------------------------------------------|
| Product name                                        | BEACON 85CRI 4K MEDIUM BEAM L3 TRAILING EDGE WHITE |
| Technology                                          | LED                                                |
| Cap/Base                                            | N/A                                                |
| 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                                         | 4280829                                            |
| E-number SE                                         | 7401250                                            |
| Warranty                                            | 5 years                                            |

### Optical data

|                            |               |
|----------------------------|---------------|
| Fixture luminous flux (lm) | 2348          |
| Luminaire efficacy (lm/W)  | 112           |
| LOR (%)                    | 100           |
| Colour temperature (K)     | 4000          |
| Light colour               | Neutral 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                       |
| Primary Supply/Product voltage - max (V)                 | 240                       |
| 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                        |
| Glow Wire Test (°C)                                      | 650                       |
| 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                        |

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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 |

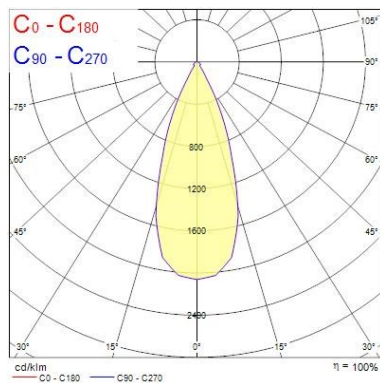
### Physical data

|                             |       |
|-----------------------------|-------|
| Housing colour              | White |
| 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

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768596737  |
| Packaging single length / height (cm) | 6.299          |
| Packaging single width (cm)           | 6.929          |
| Packaging single depth (cm)           | 7.165          |
| DUN14 (outer)                         | 05025768596737 |
| 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



|     |      |                |               |
|-----|------|----------------|---------------|
| 0.5 | 0.35 | E(0°)<br>E(C0) | 19359<br>8196 |
| 1.0 | 0.70 | E(0°)<br>E(C0) | 4840<br>2049  |
| 1.5 | 1.05 | E(0°)<br>E(C0) | 2151<br>911   |
| 2.0 | 1.40 | E(0°)<br>E(C0) | 1210<br>512   |
| 2.5 | 1.75 | E(0°)<br>E(C0) | 774<br>328    |
| 3.0 | 2.10 | E(0°)<br>E(C0) | 538<br>228    |

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 38.6°)

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### TECHNICAL DRAWINGS

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