

# BEACON XL 85CRI 3K MEDIUM BEAM L3 BLACK

Item No: 2059714

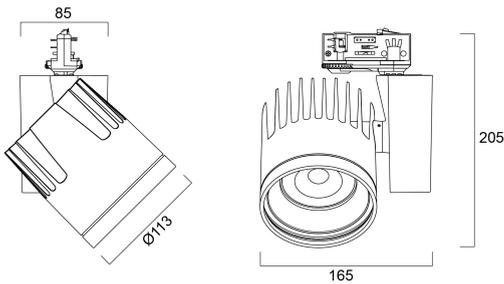
Concord



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: 34° medium beam, optics: Polycarbonate lens, colour temperature: 3000K warm white, total system power: 33W, total fixture output: 3650lm, luminaire efficacy: 111lm/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: 800mA, electronic driver, non-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: Ø113x165x205mm, weight: 1.66kg.

## Technical Assets

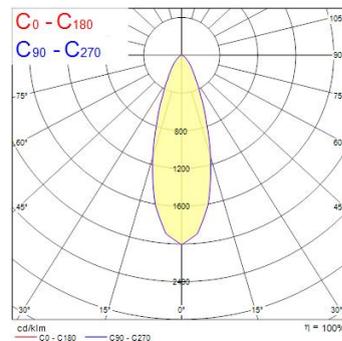
### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | E <sub>0</sub> ' [lx] | E <sub>100</sub> ' [lx] | E <sub>10</sub> [lx] |
|--------------|-------------------|-----------------------|-------------------------|----------------------|
| 0.5          | 0.31              | 30268                 | 1319                    | 17.1°                |
| 1.0          | 0.62              | 7516                  | 305                     | 17.1°                |
| 1.5          | 0.92              | 3341                  | 149                     | 17.1°                |
| 2.0          | 1.23              | 1879                  | 81                      | 17.1°                |
| 2.5          | 1.54              | 1203                  | 52                      | 17.1°                |
| 3.0          | 1.85              | 835                   | 38                      | 17.1°                |

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 C0 - C180 (Half beam angle: 34.2°)



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## General data

|   |   |
|---|---|
| Product name                            | BEACON XL 85CRI 3K MEDIUM BEAM L3 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                             | 4280874                                 |
| E-number SE                             | 7401255                                 |
| Warranty                                | 5 years                                 |

## Optical data

|                                       |            |
|---------------------------------------|------------|
| Useful luminous flux ( $\Phi_{use}$ ) | 3650       |
| Fixture luminous flux (lm)            | 3650       |
| Luminaire efficacy (lm/W)             | 111        |
| LOR (%)                               | 100        |
| Correlated colour temperature (k)     | 3000       |
| Light colour                          | Warm White |
| CRI (Ra)                              | 85         |
| Colour Consistency (SDCM)             | 3          |
| Adjustable chromaticity               | N          |
| Beam Angle (°)                        | 34         |
| Photobiological Risk Group            | RG1        |

## Electrical data

|  |                    |
|--|--------------------|
| Total power consumption (W)                              | 33                 |
| 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   | No                 |
| Dimming method   | N/A                |
| Drive current (mA)                                       | 800                |
| Inrush Current (A)                                       | 30                 |
| Inrush Duration ( $\mu$ s)                               | 200                |
| Energy Efficiency Class (A->G) of contained light source | D                  |
| Nominal Frequency (Hz)                                   | 50/60Hz            |
| Max. products per 10A C Breaker                          | 12                 |
| Max. products per 16A C Breaker                          | 20                 |
| Max. products per 10A B Breaker                          | 12                 |
| Max. products per 16A B Breaker                          | 20                 |

## Lifetime data

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

## Physical data

|                             |       |
|-----------------------------|-------|
| Housing colour              | Black |
| IP rating                   | IP20  |
| IK rating                   | IK02  |
| Nominal Product Length (mm) | 85    |
| Nominal Product Width (mm)  | 165   |
| Nominal Product Height (mm) | 205   |
| Weight (kg)                 | 1.365 |

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## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768597147  |
| Packaging single length / height (cm) | 25.0           |
| Packaging single width (cm)           | 19.5           |
| Packaging single depth (cm)           | 20.0           |
| DUN14 (inner)                         | 05025768597147 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 25.0           |
| Packaging outer width (cm)            | 19.5           |
| Packaging outer depth (cm)            | 20.0           |

## Safety data

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