

## Beacon LED

*BEACON 93CRI 4K NARROW BEAM L1 ON-BOARD DIM BLACK*  
2059600



### Product features

- Integrated LED spotlight, black RAL 9005, compact and minimalist design, ideal for retail, display, museum and gallery applications, die-cast aluminium body, passive cooling heatsink, beam angle: 12° narrow beam, optics: Fresnel lens for controlled beam, colour temperature: 4000K neutral white, total system power: 21W, total fixture output: 1669lm, luminaire efficacy: 79lm/W, LOR: 100%, colour rendering: Ra 93 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, dimmable via on-board potentiometer, power factor: 0.9 electrical protection: CLASS II, 1-circuit track adaptor, suitable for Concord Lytespan 1 track, ingress protection rating: IP20, suitable for internal environment only, horizontal rotation: 355°, vertical tilt: 90°, dimensions: Ø80x130x169mm, weight: 0.96kg.



### PRODUCT OVERVIEW

Product name	BEACON 93CRI 4K NARROW BEAM L1 ON-BOARD DIM BLACK
Technology	LED
Housing	Aluminium
Mount	Track mounting
Environment	Internal
General application	Museums & Galleries, Retail
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	1669
Luminaire efficacy (lm/W)	79
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	93
Colour Consistency (SDCM)	3
Beam Angle (°)	12
Photobiological Risk Group	RG1
Total power consumption (W)	21
Product Voltage (V)	240
Electrical protection	Class II
Control gear type	Electronic ballast
Minimum dimming level (%)	95
Housing colour	Black
IP rating	IP20
IK rating	IK02
Product EAN number	5025768596003

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### DATA TABLE

#### General data

<b>Product name</b>	BEACON 93CRI 4K NARROW BEAM L1 ON-BOARD DIM BLACK
<b>Technology</b>	LED
<b>Housing</b>	Aluminium
<b>Mount</b>	Track mounting
<b>Environment</b>	Internal
<b>General application</b>	Museums & Galleries, Retail
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC001744
<b>Warranty</b>	5 years

#### Optical data

<b>Fixture luminous flux (lm)</b>	1669
<b>Luminaire efficacy (lm/W)</b>	79
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	4000
<b>Light colour</b>	Neutral White
<b>CRI (Ra)</b>	93
<b>Colour Consistency (SDCM)</b>	3
<b>Adjustable chromaticity</b>	N
<b>Beam Angle (°)</b>	12
<b>Photobiological Risk Group</b>	RG1

#### Electrical data

<b>Total power consumption (W)</b>	21
<b>Mains voltage (V)</b>	220-240V~
<b>Product Voltage (V)</b>	240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class II
<b>Control gear type</b>	Electronic ballast
<b>Transformer required</b>	Yes
<b>Minimum dimming level (%)</b>	95
<b>Drive current (mA)</b>	500
<b>Inrush Current (A)</b>	45
<b>Inrush Duration (µs)</b>	20
<b>Glow Wire Test (°C)</b>	650
<b>Energy Efficiency Class (A-&gt;G) of contained light source</b>	E
<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>Max. Luminaires per 10A C Breaker</b>	48
<b>Max. Luminaires per 16A C Breaker</b>	80

#### Lifetime data

<b>Lifespan L70 B50</b>	72000
<b>Lifespan L70 B10</b>	72000

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Lifespan L80 B50	72000
Lifespan L80 B20	72000
Lifespan L80 B10	72000
Lifespan L90 B50	44000
Lifespan L90 B20	37000
Lifespan L90 B10	34000

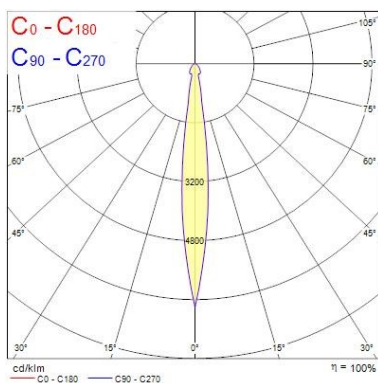
### Physical data

Housing colour	Black
IP rating	IP20
IK rating	IK02
Nominal Product Width (mm)	130
Nominal Product Height (mm)	169
Nominal Product Diameter (mm)	80
Weight (kg)	0.7

### Packaging

Single packaging type	Carton
Product EAN number	5025768596003
Packaging single length / height (cm)	16.0
Packaging single width (cm)	17.6
Packaging single depth (cm)	18.2
DUN14 (outer)	05025768596003
Units per outer package	1
Packaging outer length / height (cm)	16.0
Packaging outer width (cm)	17.6
Packaging outer depth (cm)	18.2

## PHOTOMETRY



Distance [m]	Cone diameter [m]	E <sub>0</sub> [lx]	E <sub>1</sub> [lx]	E <sub>2</sub> [lx]
0.5	0.11	44128	6.1*	23258
1.0	0.21	11032	6.1*	5494
1.5	0.32	4903	6.1*	2442
2.0	0.43	2788	6.1*	1374
2.5	0.53	1788	6.1*	879
3.0	0.64	1228	6.1*	610

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 12.2°)

## TECHNICAL DRAWINGS

