

## Beacon LED

*BEACON 93CRI 3K WIDE BEAM L1 TRAILING EDGE WHITE*  
2059593



### Product features

- Integrated LED spotlight, white RAL 9016, compact and minimalist design, ideal for retail, display, museum and gallery 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: 1700lm, luminaire efficacy: 81lm/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, trailing edge dimmable, 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 3K WIDE BEAM L1 TRAILING EDGE WHITE
Technology	LED
Housing	Aluminium
Mount	Track mounting
Environment	Internal
General application	Museums & Galleries, Retail
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	1700
Luminaire efficacy (lm/W)	81
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	93
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
Minimum dimming level (%)	97
Housing colour	White
IP rating	IP20
IK rating	IK02
Product EAN number	5025768595938

### DATA TABLE

## Beacon LED

*BEACON 93CRI 3K WIDE BEAM L1 TRAILING EDGE WHITE*  
2059593

### General data

<b>Product name</b>	BEACON 93CRI 3K WIDE BEAM L1 TRAILING EDGE WHITE
<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>	1700
<b>Luminaire efficacy (lm/W)</b>	81
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	3000
<b>Light colour</b>	Warm White
<b>CRI (Ra)</b>	93
<b>Colour Consistency (SDCM)</b>	3
<b>Adjustable chromaticity</b>	N
<b>Beam Angle (°)</b>	55
<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>	97
<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
<b>Lifespan L80 B50</b>	72000
<b>Lifespan L80 B20</b>	72000
<b>Lifespan L80 B10</b>	72000
<b>Lifespan L90 B50</b>	43000

## Beacon LED

*BEACON 93CRI 3K WIDE BEAM L1 TRAILING EDGE WHITE*  
2059593

Lifespan L90 B20	36000
Lifespan L90 B10	33000

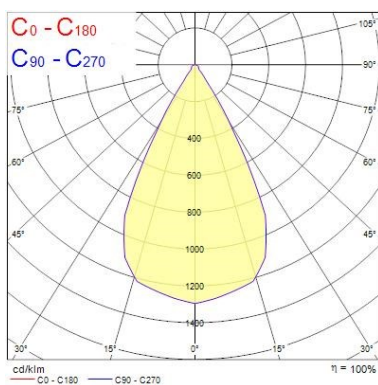
### Physical data

Housing colour	White
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	5025768595938
Packaging single length / height (cm)	16.0
Packaging single width (cm)	17.6
Packaging single depth (cm)	18.2
DUN14 (outer)	05025768595938
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	0.52	8812	27.6°	3079
1.0	1.05	2203	27.6°	768
1.5	1.57	979	27.6°	341
2.0	2.09	551	27.6°	192
2.5	2.61	352	27.6°	123
3.0	3.14	245	27.6°	85

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 55.2°)

## TECHNICAL DRAWINGS

