

Beacon LED XL

BEACON XL 93CRI 3K NARROW BEAM L3 ON-BOARD DIM BLACK
2059678



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: 15° narrow beam, optics: Fresnel lens for controlled beam, colour temperature: 3000K warm white, total system power: 33W, total fixture output: 3103lm, luminaire efficacy: 94lm/W, LOR: 100%, colour rendering: Ra 93 typical, LED Chromacity: 3 step MacAdam ellipse, IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, drive current: 850mA, electronic driver, dimmable via on-board potentiometer, 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.



PRODUCT OVERVIEW

Product name	BEACON XL 93CRI 3K NARROW BEAM L3 ON-BOARD DIM BLACK
Technology	LED
Housing	Aluminium
Mount	Track mounting
Environment	Internal
General application	Museums & Galleries, Retail
ETIM Class	EC001744
E-number FI	4280838
Warranty	5 years
Fixture luminous flux (lm)	3103
Luminaire efficacy (lm/W)	94
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	93
Colour Consistency (SDCM)	3
Beam Angle (°)	15
Photobiological Risk Group	RG1
Total power consumption (W)	33
Product Voltage (V)	240
Electrical protection	Class II
Control gear type	Electronic ballast
Minimum dimming level (%)	99
Housing colour	Black
IP rating	IP20
IK rating	IK02
Product EAN number	5025768596782

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DATA TABLE

General data

Product name	BEACON XL 93CRI 3K NARROW BEAM L3 ON-BOARD DIM BLACK
Technology	LED
Housing	Aluminium
Mount	Track mounting
Environment	Internal
General application	Museums & Galleries, Retail
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number FI	4280838
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3103
Luminaire efficacy (lm/W)	94
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	93
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Beam Angle (°)	15
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	33
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
Minimum dimming level (%)	99
Drive current (mA)	850
Inrush Current (A)	5
Inrush Duration (µs)	50
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	52
Max. Luminaires per 16A C Breaker	85
Max. Luminaires per 20A C Breaker	104
Max. Luminaires per 10A B Breaker	31
Max. Luminaires per 16A B Breaker	50

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Lifetime data

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

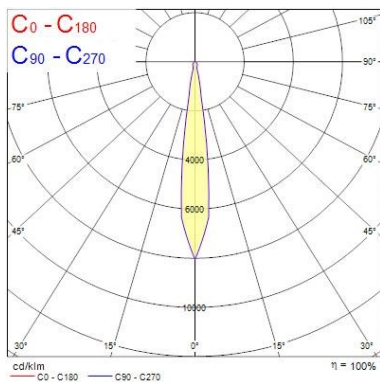
Physical data

Housing colour	Black
IP rating	IP20
IK rating	IK02
Nominal Product Length (mm)	85
Nominal Product Width (mm)	165
Nominal Product Height (mm)	205
Nominal Product Diameter (mm)	113
Weight (kg)	1.365

Packaging

Single packaging type	Carton
Product EAN number	5025768596782
Packaging single length / height (cm)	25.0
Packaging single width (cm)	19.5
Packaging single depth (cm)	20.0
DUN14 (outer)	05025768596782
Units per outer package	1
Packaging outer length / height (cm)	25.0
Packaging outer width (cm)	19.5
Packaging outer depth (cm)	20.0

PHOTOMETRY



Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀ [lx]	E ₃₀ [lx]
0.5	0.13	99979	7.3°	48521
1.0	0.26	24995	7.3°	12338
1.5	0.38	11109	7.3°	5483
2.0	0.51	6249	7.3°	3034
2.5	0.64	3999	7.3°	1974
3.0	0.77	2777	7.3°	1371

Distance [m] Cone diameter [m] Illuminance [lx]
 C0 - C180 (Half beam angle: 14.6°)

TECHNICAL DRAWINGS

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