

Beacon LED Muse Tune

Beacon Muse Tune 90CRI On-board DIM White L1
2059763



Product features

- Integrated LED spotlight, White - RAL9016 unique soft-touch ring, adjustable beam angle from a 10° spot to a 40° flood, compact and minimalist design, ideal for retail, display, museum and gallery applications, die-cast aluminium body, passive cooling heatsink. Beam angle: 10° spot to 40° flood, color temperature: 2100-4300K Tuneable white, total system power: 21W, total fixture output: 71/134 lm, LOR: 100%, colour rendering: CRI: 93 typical, LED Chromaticity: 3 step MacAdam ellipse, lifetime: >70000 hours at L70B50, energy class: A++, A+, A, IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, electronic driver, dimmable and tuneable via on-board potentiometer, power factor: 0.9, electrical protection: Class II, Lytespan 1 - Single Circuit Adaptor suitable for Concord Lytespan track, ingress protection rating: IP20, suitable for internal environment only, horizontal rotation: 355°, vertical tilt: 90°, dimensions: Ø80x140x196mm, weight: 0.96kg.



PRODUCT OVERVIEW

Product name	Beacon Muse Tune 90CRI On-board DIM White L1
Technology	LED
Housing	Aluminium
Mount	Track mounting
General application	Hospitality, Museums & Galleries
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	71/134
LOR (%)	100
Light colour	Tuneable White
CRI (Ra)	90
Colour Consistency (SDCM)	3
Photobiological Risk Group	RG0
Total power consumption (W)	21
Electrical protection	Class II
Control gear type	Electronic ballast
Control gear mounting	Integral
Dimmable	Yes
Minimum dimming level (%)	1
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK02
Product EAN number	5025768597635

DATA TABLE

General data

Product name	Beacon Muse Tune 90CRI On-board DIM White L1
Technology	LED

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Housing	Aluminium
Mount	Track mounting
General application	Hospitality, Museums & Galleries
ETIM Class	EC001744
Warranty	5 years

Optical data

Fixture luminous flux (lm)	71/134
LOR (%)	100
Correlated colour temperature range (K)	2100 - 4300
Light colour	Tuneable White
CRI (Ra)	90
Colour Consistency (SDCM)	3
Distribution type	Adjustable
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	21
Mains voltage (V)	220-240V~
Lamp power factor	0.9
Electrical protection	Class II
Control gear required	Yes
Control gear type	Electronic ballast
Control gear mounting	Integral
Dimmable	Yes
Minimum dimming level (%)	1
Drive current (mA)	958
Inrush Current (A)	27.9
Inrush Duration (µs)	190
Glow Wire Test (°C)	960
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	33
Max. Luminaires per 16A C Breaker	53
Max. Luminaires per 10A B Breaker	20
Max. Luminaires per 16A B Breaker	32

Lifetime data

Lifespan L70 B50	70000
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Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK02
Diffuser finish	Frosted
Diffuser material	PC Polycarbonate
Nominal Product Width (mm)	140
Nominal Product Height (mm)	196
Nominal Product Diameter (mm)	80
Weight (kg)	1.34

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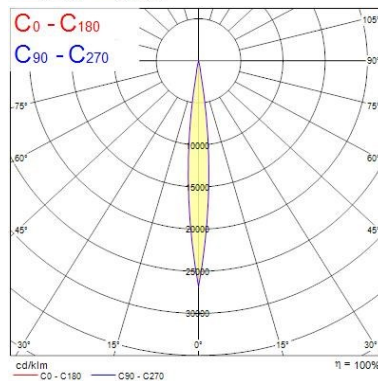
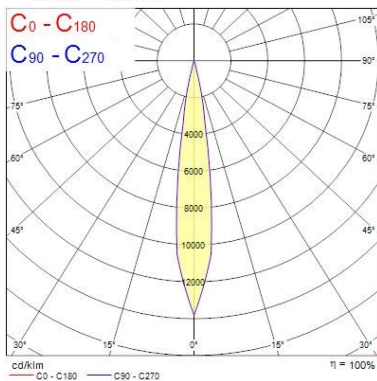
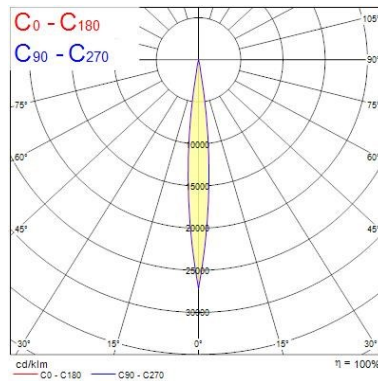
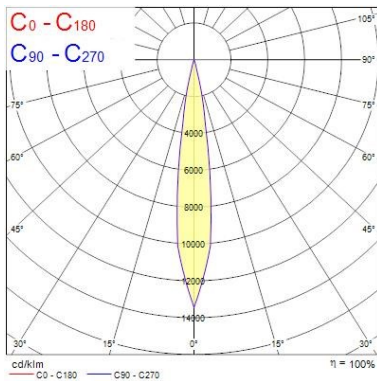
Packaging

Single packaging type	Carton
Product EAN number	5025768597635
Packaging single length / height (cm)	18.0
Packaging single width (cm)	18.0
Packaging single depth (cm)	17.0
DUN14 (outer)	05025768597635
Units per outer package	1
Packaging outer length / height (cm)	18.0
Packaging outer width (cm)	18.0
Packaging outer depth (cm)	17.0

Safety data

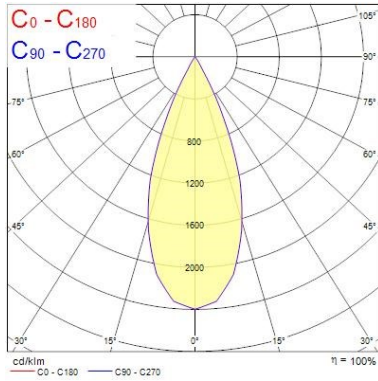
Dry applications use only	Yes
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PHOTOMETRY



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Distance [m]	Cone diameter [m]	E(0°) E(C0)	7.5°	Illuminance [lx]
0.5	0.13	E(0°) E(C0)	7.5°	5963 2997
1.0	0.26	E(0°) E(C0)	7.5°	1496 724
1.5	0.39	E(0°) E(C0)	7.5°	651 322
2.0	0.53	E(0°) E(C0)	7.5°	366 181
2.5	0.66	E(0°) E(C0)	7.5°	235 119
3.0	0.79	E(0°) E(C0)	7.5°	183 95

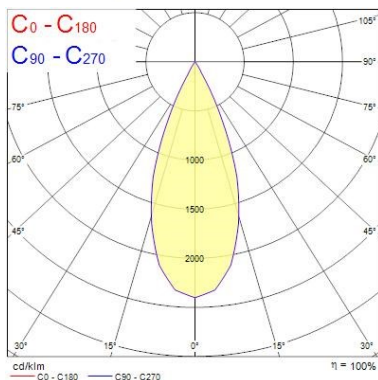
Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 15.0°)

Distance [m]	Cone diameter [m]	E(0°) E(C0)	5.2°	Illuminance [lx]
0.5	0.09	E(0°) E(C0)	5.2°	8914 4428
1.0	0.18	E(0°) E(C0)	5.2°	2229 1107
1.5	0.27	E(0°) E(C0)	5.2°	990 492
2.0	0.36	E(0°) E(C0)	5.2°	557 277
2.5	0.46	E(0°) E(C0)	5.2°	357 177
3.0	0.55	E(0°) E(C0)	5.2°	248 123

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 10.4°)

Distance [m]	Cone diameter [m]	E(0°) E(C0)	7.5°	Illuminance [lx]
0.5	0.13	E(0°) E(C0)	7.5°	6299 3092
1.0	0.26	E(0°) E(C0)	7.5°	1575 773
1.5	0.39	E(0°) E(C0)	7.5°	700 344
2.0	0.53	E(0°) E(C0)	7.5°	394 193
2.5	0.66	E(0°) E(C0)	7.5°	252 124
3.0	0.79	E(0°) E(C0)	7.5°	175 86

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 15.0°)



Distance [m]	Cone diameter [m]	E(0°) E(C0)	20.1°	Illuminance [lx]
0.5	0.37	E(0°) E(C0)	20.1°	1233 511
1.0	0.73	E(0°) E(C0)	20.1°	308 130
1.5	1.10	E(0°) E(C0)	20.1°	117 57
2.0	1.46	E(0°) E(C0)	20.1°	77 37
2.5	1.83	E(0°) E(C0)	20.1°	49 23
3.0	2.20	E(0°) E(C0)	20.1°	34 14

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 40.2°)

Distance [m]	Cone diameter [m]	E(0°) E(C0)	5.2°	Illuminance [lx]
0.5	0.09	E(0°) E(C0)	5.2°	9027 4641
1.0	0.18	E(0°) E(C0)	5.2°	2332 1190
1.5	0.27	E(0°) E(C0)	5.2°	1036 516
2.0	0.36	E(0°) E(C0)	5.2°	583 290
2.5	0.46	E(0°) E(C0)	5.2°	373 186
3.0	0.55	E(0°) E(C0)	5.2°	259 129

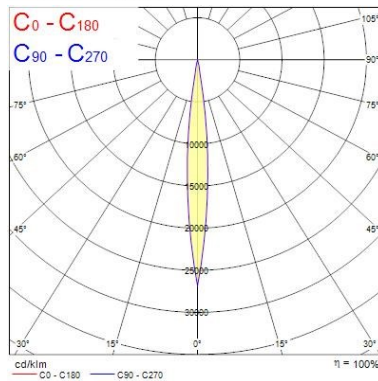
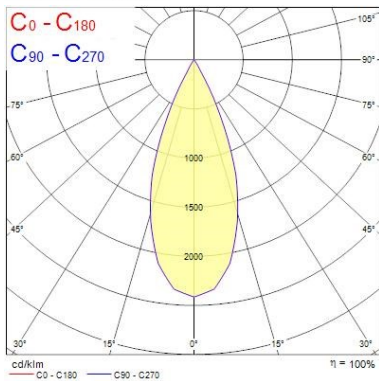
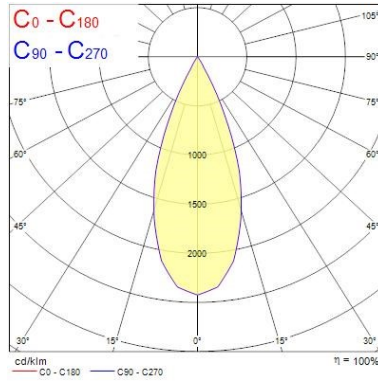
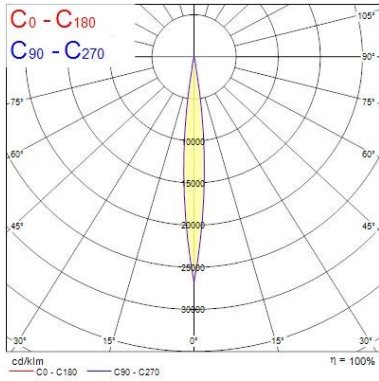
Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 10.4°)

Distance [m]	Cone diameter [m]	E(0°) E(C0)	20.2°	Illuminance [lx]
0.5	0.37	E(0°) E(C0)	20.2°	1300 559
1.0	0.74	E(0°) E(C0)	20.2°	325 135
1.5	1.10	E(0°) E(C0)	20.2°	144 60
2.0	1.47	E(0°) E(C0)	20.2°	81 34
2.5	1.84	E(0°) E(C0)	20.2°	52 22
3.0	2.21	E(0°) E(C0)	20.2°	36 16

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 40.4°)

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0.5	0.09	E(0°) E(C0)	9222 4584
1.0	0.18	E(0°) E(C0)	2306 1146
1.5	0.27	E(0°) E(C0)	1028 509
2.0	0.36	E(0°) E(C0)	576 286
2.5	0.46	E(0°) E(C0)	389 193
3.0	0.55	E(0°) E(C0)	286 127
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 10.4°)			

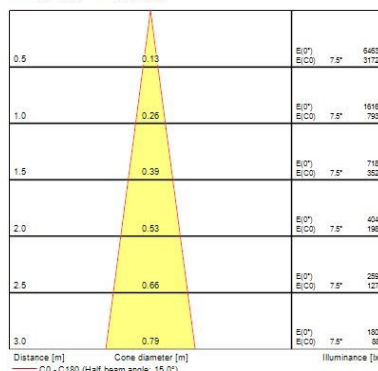
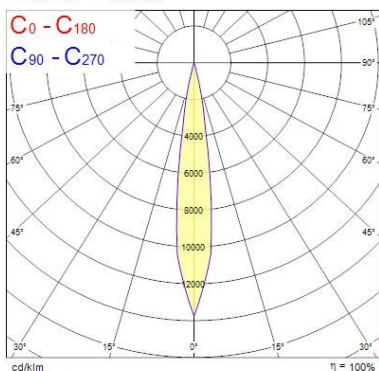
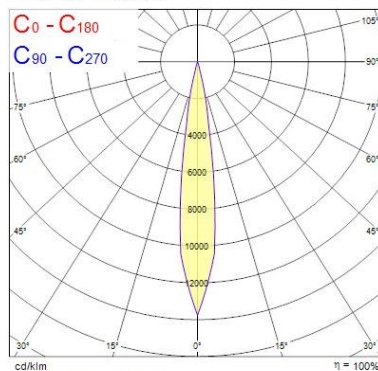
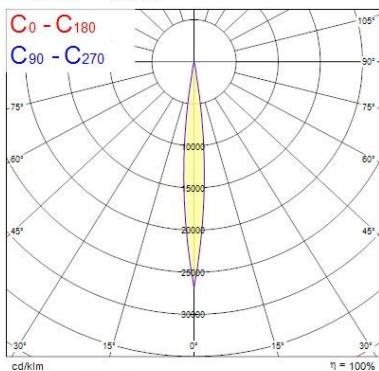
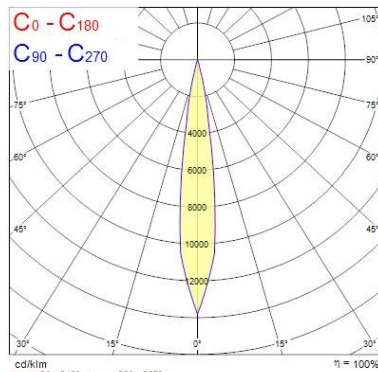
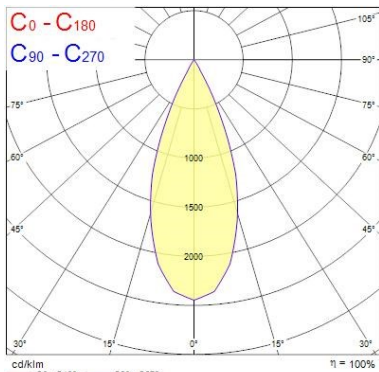
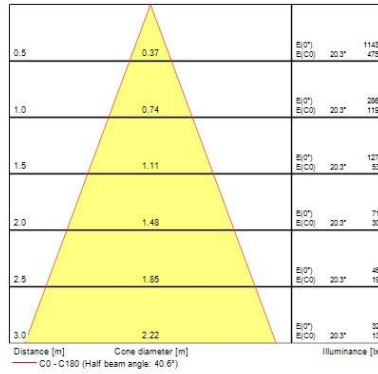
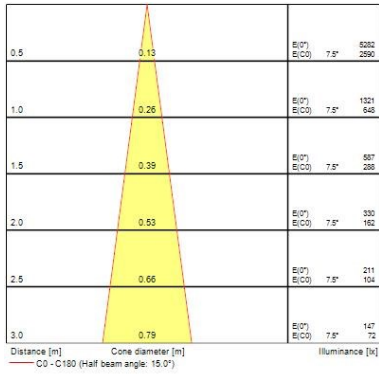
0.5	0.37	E(0°) E(C0)	1285 533
1.0	0.74	E(0°) E(C0)	316 132
1.5	1.10	E(0°) E(C0)	141 59
2.0	1.47	E(0°) E(C0)	79 33
2.5	1.84	E(0°) E(C0)	51 21
3.0	2.21	E(0°) E(C0)	38 16
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 40.4°)			

0.5	0.09	E(0°) E(C0)	9012 4488
1.0	0.18	E(0°) E(C0)	2283 1117
1.5	0.27	E(0°) E(C0)	1001 496
2.0	0.36	E(0°) E(C0)	563 279
2.5	0.46	E(0°) E(C0)	380 179
3.0	0.55	E(0°) E(C0)	280 124
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 10.4°)			

0.5	0.37	E(0°) E(C0)	1180 491
1.0	0.74	E(0°) E(C0)	296 123
1.5	1.11	E(0°) E(C0)	131 58
2.0	1.48	E(0°) E(C0)	74 31
2.5	1.85	E(0°) E(C0)	47 20
3.0	2.22	E(0°) E(C0)	35 14
Distance [m]	Cone diameter [m]	Illuminance [lx]	
C0 - C180 (Half beam angle: 40.6°)			

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0.5	0.13	E(0°) E(C0)	7.5°	4945 2915
1.0	0.26	E(0°) E(C0)	7.5°	1486 729
1.5	0.39	E(0°) E(C0)	7.5°	661 324
2.0	0.53	E(0°) E(C0)	7.5°	372 182
2.5	0.66	E(0°) E(C0)	7.5°	238 117
3.0	0.79	E(0°) E(C0)	7.5°	166 81

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 15.0°)

0.5	0.09	E(0°) E(C0)	5.2°	7630 3770
1.0	0.18	E(0°) E(C0)	5.2°	1907 942
1.5	0.27	E(0°) E(C0)	5.2°	848 419
2.0	0.36	E(0°) E(C0)	5.2°	477 236
2.5	0.46	E(0°) E(C0)	5.2°	306 151
3.0	0.55	E(0°) E(C0)	5.2°	212 106

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 10.4°)

TECHNICAL DRAWINGS

