

Features

- Simple and slick integral design with no driver box and without any visible screws
- New technology utilization for improved performance
- Invisible in-track adaptor for an impressive architectural look
- Extremely precise light beams due to the high-quality lens
- #80mm die-cast aluminium body, Adjustable beam angle: between 10° - 50° , Textured black finishing colour
- Light color temperature: 2700 - 6500K, tunable white
- System power: 21W, Fixture lumen output: 235-760lm, efficacy: 36lm/W, Ra98 typical, LED chromacity: 2 step MacAdam ellipse LED source (SDCM2), IR/UV free light source without heat radiation
- Operating voltage 220-240V / 50-60Hz, DALI dimmable
- Surface mounting with surface mounting base. Electrical protection: Class II. Degree of protection: IP20, suitable for indoor environment only
- Horizontal rotation: 355°, vertical tilt: 90°
- Nominal product dimensions: D.80mmx215mm
- 5 years warranty. Suitable for ceiling surface mounting, and wall surface mounting

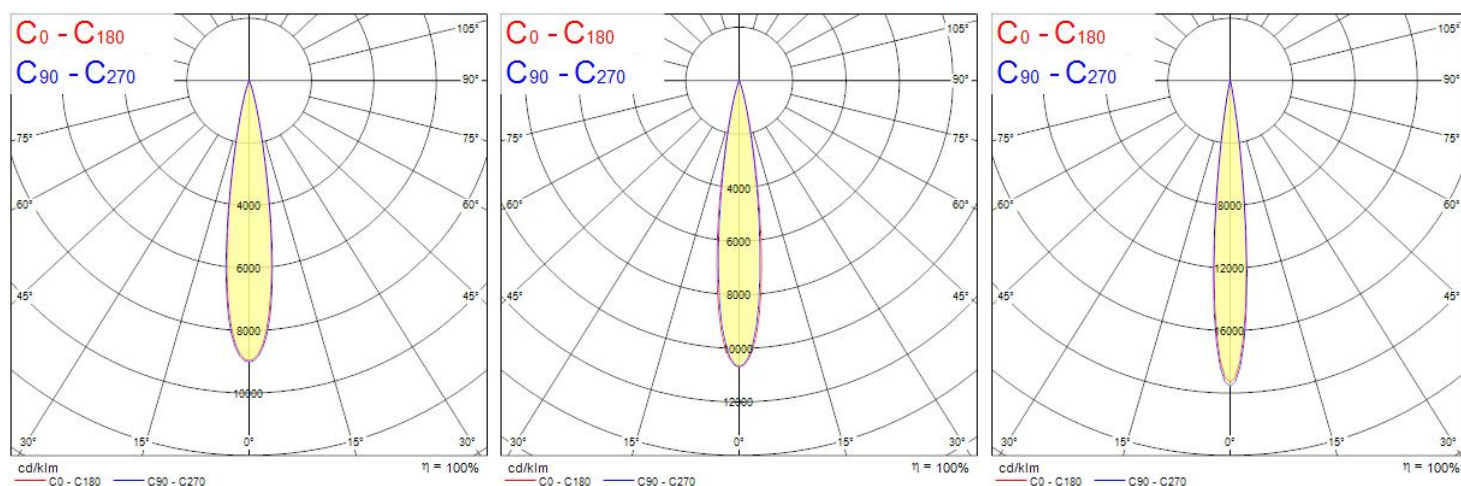
Product Overview

Product name	CONCORD BEACON MUSE TUNE SM DALI BLACK
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, Wall surface mounted
Fixture rating	Enclosed
General application	Hospitality, Museums & Galleries, Retail
ETIM Class	EC001744
Fixture luminous flux (lm)	235-760
Luminaire efficacy (lm/W)	36
LOR (%)	100

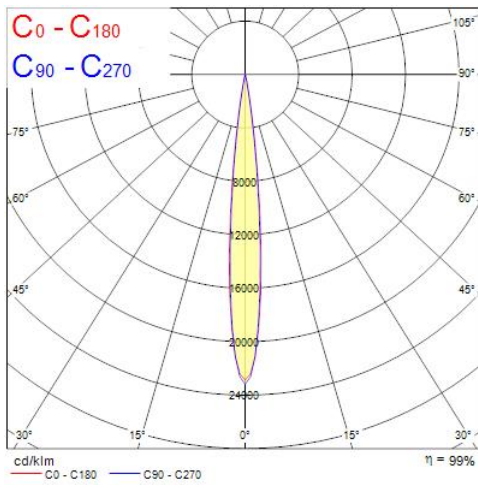
CONCORD BEACON MUSE TUNE SM DALI BLACK 2062912

Light colour	Tuneable White
CRI (Ra)	98
Colour Variation Initial (SDCM)	2
Photobiological Risk Group	RG1
Total power consumption (W)	21
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes
Minimum dimming level (%)	1
Housing colour	RAL9005
IP rating	IP20
IK rating	IK02
Product EAN number	5025768629121
Warranty	5 years
Dimming method	DALI

Photometry

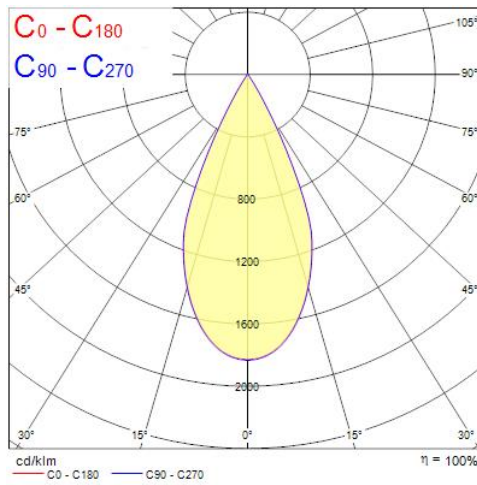


CONCORD BEACON MUSE TUNE SM DALI BLACK 2062912



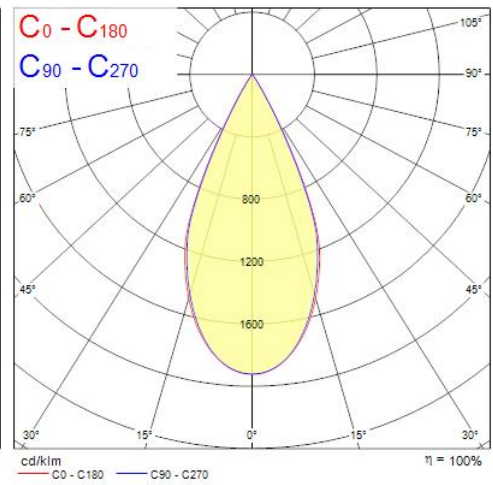
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.15 0.15	E(0°) 16491 E(C90) 8.8° 8025 E(C0) 8.8° 8025
1.0	0.31 0.30	E(0°) 4123 E(C90) 8.8° 2006 E(C0) 8.8° 2006
1.5	0.46 0.45	E(0°) 1832 E(C90) 8.8° 892 E(C0) 8.8° 892
2.0	0.62 0.60	E(0°) 1031 E(C90) 8.8° 502 E(C0) 8.8° 502
2.5	0.77 0.76	E(0°) 660 E(C90) 8.8° 321 E(C0) 8.8° 321
3.0	0.93 0.91	E(0°) 458 E(C90) 8.8° 223 E(C0) 8.8° 223

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 17.2°)
— C90 - C270 (Half beam angle: 17.6°)



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.14 0.15	E(0°) 20978 E(C90) 8.0° 10233 E(C0) 8.4° 10313
1.0	0.28 0.30	E(0°) 5244 E(C90) 8.0° 2550 E(C0) 8.4° 2578
1.5	0.42 0.44	E(0°) 2321 E(C90) 8.0° 1137 E(C0) 8.4° 1146
2.0	0.56 0.59	E(0°) 1311 E(C90) 8.0° 640 E(C0) 8.4° 645
2.5	0.70 0.74	E(0°) 839 E(C90) 8.0° 409 E(C0) 8.4° 413
3.0	0.84 0.89	E(0°) 553 E(C90) 8.0° 284 E(C0) 8.4° 286

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 16.8°)
— C90 - C270 (Half beam angle: 16.0°)



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.10 0.10	E(0°) 10150 E(C90) 5.9° 9149 E(C0) 5.9° 9135
1.0	0.21 0.20	E(0°) 4540 E(C90) 5.9° 2287 E(C0) 5.8° 2284
1.5	0.31 0.30	E(0°) 2018 E(C90) 5.9° 1017 E(C0) 5.8° 1015
2.0	0.41 0.41	E(0°) 1135 E(C90) 5.9° 572 E(C0) 5.8° 571
2.5	0.52 0.51	E(0°) 728 E(C90) 5.9° 386 E(C0) 5.8° 385
3.0	0.62 0.61	E(0°) 504 E(C90) 5.9° 254 E(C0) 5.8° 254

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 11.6°)
— C90 - C270 (Half beam angle: 11.8°)

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.09 0.10	E(0°) 22400 E(C90) 5.4° 11316 E(C0) 5.7° 11150
1.0	0.19 0.20	E(0°) 5600 E(C90) 5.4° 2829 E(C0) 5.7° 2757
1.5	0.28 0.30	E(0°) 2489 E(C90) 5.4° 1257 E(C0) 5.7° 1239
2.0	0.38 0.40	E(0°) 1400 E(C90) 5.4° 707 E(C0) 5.7° 697
2.5	0.47 0.50	E(0°) 896 E(C90) 5.4° 453 E(C0) 5.7° 446
3.0	0.57 0.60	E(0°) 622 E(C90) 5.4° 314 E(C0) 5.7° 310

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 11.4°)
— C90 - C270 (Half beam angle: 10.8°)

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.44	E(0°) 4899 E(C0) 23.8° 1882
1.0	0.88	E(0°) 1225 E(C0) 23.8° 471
1.5	1.32	E(0°) 544 E(C0) 23.8° 209
2.0	1.76	E(0°) 308 E(C0) 23.8° 118
2.5	2.21	E(0°) 196 E(C0) 23.8° 75
3.0	2.65	E(0°) 136 E(C0) 23.8° 52

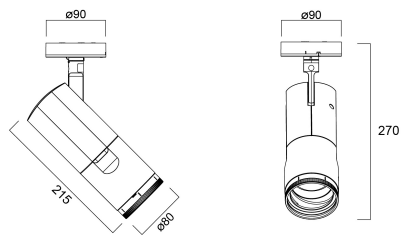
Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 47.6°)
— C90 - C270 (Half beam angle: 46.0°)

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.43 0.44	E(0°) 5543 E(C90) 23.4° 2274 E(C0) 23.7° 2264
1.0	0.87 0.88	E(0°) 1461 E(C90) 23.4° 569 E(C0) 23.7° 566
1.5	1.30 1.32	E(0°) 649 E(C90) 23.4° 253 E(C0) 23.7° 252
2.0	1.73 1.76	E(0°) 365 E(C90) 23.4° 142 E(C0) 23.7° 141
2.5	2.16 2.19	E(0°) 234 E(C90) 23.4° 91 E(C0) 23.7° 91
3.0	2.60 2.63	E(0°) 162 E(C90) 23.4° 63 E(C0) 23.7° 63

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (Half beam angle: 47.4°)
— C90 - C270 (Half beam angle: 46.8°)

CONCORD BEACON MUSE TUNE SM DALI BLACK 2062912

Technical drawings



Data table

GENERAL DATA

Product name	CONCORD BEACON MUSE TUNE SM DALI BLACK
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, Wall surface mounted
Fixture rating	Enclosed
General application	Hospitality, Museums & Galleries, Retail
Operating temperature range (°C)	-10°C...+35°C
ETIM Class	EC001744
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	235-760
Luminaire efficacy (lm/W)	36
LOR (%)	100
Light colour	Tuneable White
CRI (Ra)	98
Colour Variation Initial (SDCM)	2
Luminous Intensity (cd)	760
Distribution type	Symmetric

CONCORD BEACON MUSE TUNE SM DALI BLACK 2062912

Photobiological Risk Group	RG1
----------------------------	-----

ELECTRICAL DATA

Total power consumption (W)	21
Current (A)	0.089
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	6.5
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Drive current (mA)	500
Inrush Current (A)	4.5
Inrush Duration (μ s)	38
Energy Efficiency Class (A->G) of contained light source	F
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	73
Max. products per 13A C Breaker	152
Max. products per 16A C Breaker	198
Max. products per 20A C Breaker	243
Max. products per 10A B Breaker	73
Max. products per 13A B Breaker	91
Max. products per 16A B Breaker	117
Max. products per 20A B Breaker	146

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B50	100000

CONCORD BEACON MUSE TUNE SM DALI BLACK 2062912

Lifespan L90 B50	56650
------------------	-------

PHYSICAL DATA

Housing colour	RAL9005
IP rating	IP20
IK rating	IK02
Diffuser finish	Frosted
Diffuser material	Other
Reflector finish	Matt
Nominal Product Length (mm)	215
Nominal Product Width (mm)	80
Nominal Product Height (mm)	270
Nominal Product Diameter (mm)	80
Weight (kg)	1.02

PACKAGING

Product EAN number	5025768629121
Packaging single length / height (cm)	30.5
Packaging single width (cm)	13.5
Packaging single depth (cm)	20.5
DUN14 (inner)	05025768629121
Units per inner package	1
Packaging inner length / height (cm)	46.3
Packaging inner width (cm)	56.5
Packaging inner depth (cm)	0.7
Units per outer package	1
Packaging outer length / height (cm)	30.5
Packaging outer width (cm)	13.5
Packaging outer depth (cm)	20.5

SAFETY DATA

Glow Wire Test (°C)	650
Optimal operating condition (°C)	-10-35
Special purpose lamp	No

Concord

CONCORD BEACON MUSE TUNE SM DALI BLACK
2062912

Dry applications use only	Yes
Suitable for household illumination	No