



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 8° - 55° , Textured black finishing colour
- Light color temperature: 2700K, candle light
- System power: 18W, Fixture lumen output: 940lm, efficacy: 52lm/W, Ra97 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 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

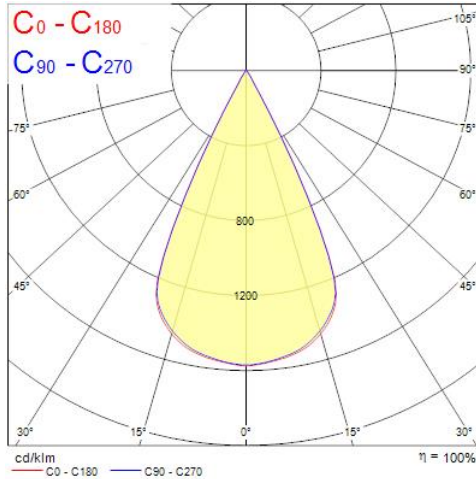
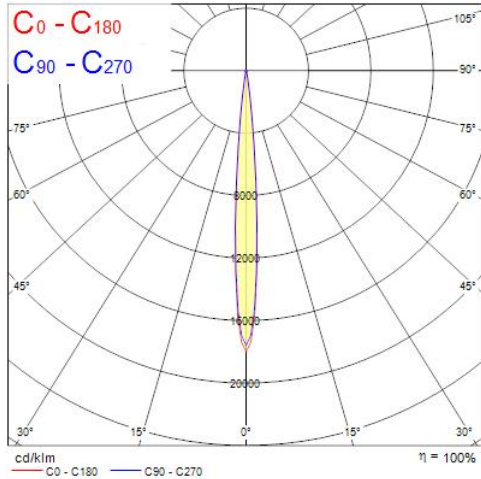
Product Overview

Product name	CONCORD BEACON MUSE 2700K SM DALI BLACK
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, Wall surface mounted
Fixture rating	Enclosed
General application	Museums & Galleries, Retail, Hospitality
ETIM Class	EC001744
Fixture luminous flux (lm)	940
Luminaire efficacy (lm/W)	52
LOR (%)	100
Correlated colour temperature (k)	2700

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Light colour	Candlelight
CRI (Ra)	97
Colour Variation Initial (SDCM)	2
Photobiological Risk Group	RG1
Total power consumption (W)	18
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	5025768625925
Warranty	5 years
Dimming method	DALI

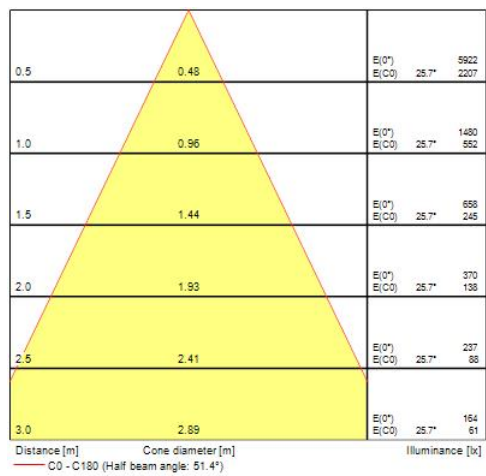
Photometry



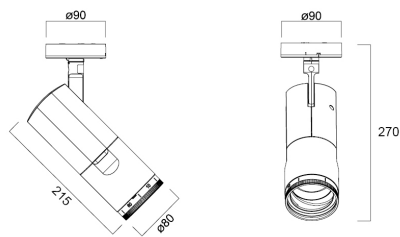
Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	4.4° 4.3° 4.3°	Illuminance [lx]
0.5	0.08 0.08	35632 17264 18009		
1.0	0.15 0.15	8908 4316 4502		
1.5	0.23 0.23	3969 1916 2001		
2.0	0.31 0.30	2227 1079 1125		
2.5	0.38 0.38	1425 691 720		
3.0	0.45 0.45	990 460 500		

Distance [m] Cone diameter [m] Illuminance [lx]
 C0 - C180 (Half beam angle: 8.6°)
 C90 - C270 (Half beam angle: 8.6°)

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Technical drawings



Data table

GENERAL DATA

Product name	CONCORD BEACON MUSE 2700K SM DALI BLACK
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting, Wall surface mounted
Fixture rating	Enclosed
General application	Museums & Galleries, Retail, Hospitality
Operating temperature range (°C)	-10°C...+35°C
ETIM Class	EC001744

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Warranty	5 years
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OPTICAL DATA

Fixture luminous flux (lm)	940
Luminaire efficacy (lm/W)	52
LOR (%)	100
Correlated colour temperature (k)	2700
Light colour	Candlelight
CRI (Ra)	97
Colour Variation Initial (SDCM)	2
Luminous Intensity (cd)	940
Distribution type	Symmetric
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	18
Current (A)	0.084
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) ≤ xx.x %	10
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)	16
Inrush Duration (µs)	100
Energy Efficiency Class (A->G) of contained light source	F
Nominal Frequency (Hz)	50/60Hz

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Max. products per 10A C Breaker	50
Max. products per 16A C Breaker	70
Max. products per 16A B Breaker	55

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B50	100000
Lifespan L90 B50	49000

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	5025768625925
Packaging single length / height (cm)	30.5
Packaging single width (cm)	13.5
Packaging single depth (cm)	20.5
DUN14 (inner)	05025768625925
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

CONCORD BEACON MUSE 2700K SM DALI BLACK 2062592

Glow Wire Test (°C)	650
Optimal operating condition (°C)	-10-35
Special purpose lamp	No
Dry applications use only	Yes
Suitable for household illumination	No