

ASCENT 100 II ARCH 1200 4K DALI 120

Item No: 2060527

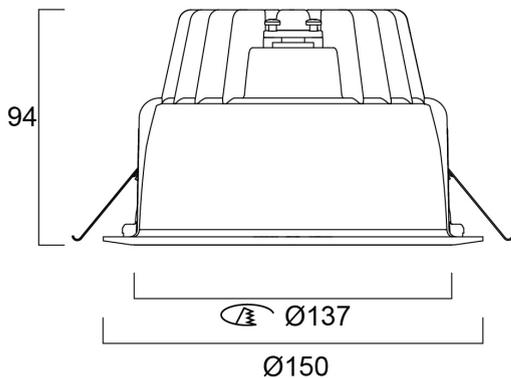
Concord



The ASCENT 100 II ARCH 1200 4K DALI 120 is a high efficient DALI dimmable downlight luminaire, Colour rendering index Ra >80, Colour temperature: 4000K Neutral White, Class II, Protection rating IP40/IP20, Cut out dimensions: 137mm

Technical Assets

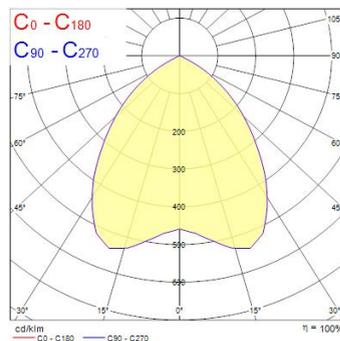
Dimensions (mm)



Photometrics

0.5	0.34	E(0°) E(C0)	43.3°	2285 216
1.0	1.38	E(0°) E(C0)	43.3°	903 129
1.5	2.53	E(0°) E(C0)	43.3°	260 57
2.0	3.77	E(0°) E(C0)	43.3°	141 32
2.5	4.71	E(0°) E(C0)	43.3°	90 21
3.0	5.65	E(0°) E(C0)	43.3°	63 14

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 66.6°)



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General data

Product name	ASCENT 100 II ARCH 1200 4K DALI 120
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
Operating temperature range (°C)	25°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number FI	4260843
Warranty	5 years

Optical data

Useful luminous flux (Φ_{use})	1228
Fixture luminous flux (lm)	1228
Luminaire efficacy (lm/W)	123
LOR (%)	100
Correlated colour temperature (k)	4000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Distribution type	Diffuse
Glare control	< 23
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	10
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq xx.x$ %	10
Electrical protection	Class II
Control gear required	Yes
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	Yes
Dimming method	DALI, Switch-dim (mains-rated), DALI-2
Minimum dimming level (%)	1
Drive current (mA)	200
Inrush Current (A)	5
Inrush Duration (μ s)	20
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	50
Max. products per 16A C Breaker	80
Max. products per 10A B Breaker	82
Max. products per 16A B Breaker	130
Connectable conductor cross section - Min (mm ²)	0.5
Connectable conductor cross section - Max (mm ²)	1.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	87500
Lifespan L90 B10	39500

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Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK02
Diffuser finish	Opal
Diffuser material	PMMA Acrylic
Nominal Product Width (mm)	150
Nominal Product Height (mm)	94
Nominal Product Diameter (mm)	150
Weight (kg)	0.715

Packaging

Product EAN number	5025768605279
Packaging single length / height (cm)	17.5
Packaging single width (cm)	15.0
Packaging single depth (cm)	17.5
DUN14 (inner)	05025768605279
Units per outer package	1
Packaging outer length / height (cm)	17.5
Packaging outer width (cm)	15.0
Packaging outer depth (cm)	17.5

Safety data

Glow Wire Test (°C)	650
Optimal operating condition (°C)	25-25