

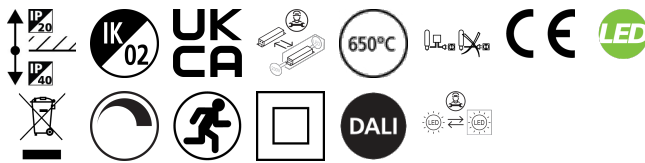
Ascent 100 II Arch 120

ASCENT 100 II ARCH 2000 4K DALI EMG 120
2060538



Product features

- The ASCENT 100 II ARCH 2000 4K DALI EMG 120 is a high efficient DALI dimmable downlight luminaire with 3 hour emergency, Colour rendering index Ra >80, Colour temperature: 4000K Neutral White, Class II, Protection rating IP40/IP20, Cut out dimensions: 137mm



PRODUCT OVERVIEW

Product name	ASCENT 100 II ARCH 2000 4K DALI EMG 120
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	2029
Luminaire efficacy (lm/W)	107
LOR (%)	100
Colour temperature (K)	4000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG0
Total power consumption (W)	19
Electrical protection	Class II
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	Yes
Minimum dimming level (%)	1
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK02
Product EAN number	5025768605385

DATA TABLE

General data

Product name	ASCENT 100 II ARCH 2000 4K DALI EMG 120
Technology	LED

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2060538

Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
Operating temperature range (°C)	0°C - 25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2029
Luminaire efficacy (lm/W)	107
LOR (%)	100
Colour temperature (K)	4000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG0
Emergency duration (h)	3

Electrical data

Total power consumption (W)	19
Mains voltage (V)	220-240V~
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
Electrical protection	Class II
Control gear required	Yes
Control gear type	Electronic ballast
Control gear mounting	Remote
Transformer required	No
Dimmable	Yes
Minimum dimming level (%)	1
Drive current (mA)	350
Inrush Current (A)	5
Inrush Duration (µs)	20
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	31
Max. Luminaires per 16A C Breaker	51
Max. Luminaires per 10A B Breaker	82
Max. Luminaires per 16A B Breaker	130

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	87500
Lifespan L90 B10	39000

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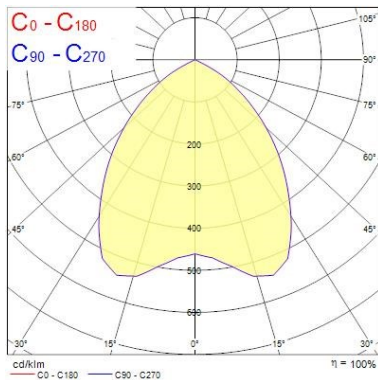
Physical data

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)	120
Cutout Dimensions (W x L in mm or Diameter in mm)	137
Weight (kg)	1.43

Packaging

Single packaging type	Carton
Product EAN number	5025768605385
Packaging single length / height (cm)	30.0
Packaging single width (cm)	30.0
Packaging single depth (cm)	12.5
DUN14 (outer)	05025768605385
Units per outer package	1
Packaging outer length / height (cm)	30.0
Packaging outer width (cm)	30.0
Packaging outer depth (cm)	12.5

PHOTOMETRY

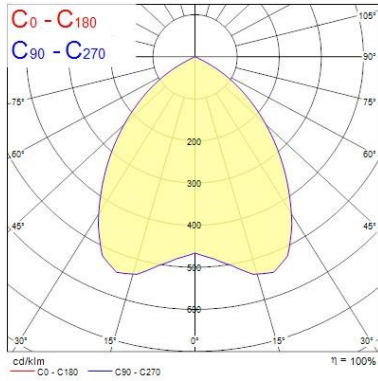


Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]
0.5	0.94	3732	43.3°	883
1.0	1.88	948	43.3°	213
1.5	2.83	400	43.3°	95
2.0	3.77	238	43.3°	53
2.5	4.71	151	43.3°	34
3.0	5.65	105	43.3°	24

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 86.6°)

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2060538



0.5	0.95	E(0°) E(C0)	43.4°	215 71
1.0	1.89	E(0°) E(C0)	43.4°	73 15
1.5	2.84	E(0°) E(C0)	43.4°	35 8
2.0	3.78	E(0°) E(C0)	43.4°	20 4
2.5	4.73	E(0°) E(C0)	43.4°	13 3
3.0	5.67	E(0°) E(C0)	43.4°	9 2

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 86.8°)

TECHNICAL DRAWINGS

