

Ascent 100 II Surface Mounted 120

ASCENT 100 II ARCH 1650 3K DALI EMPRO 120 CR90 SM
2060679



PRODUCT OVERVIEW

Product name	ASCENT 100 II ARCH 1650 3K DALI EMPRO 120 CR90 SM
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling surface mounting
Warranty	5 years
Fixture luminous flux (lm)	1650
Luminaire efficacy (lm/W)	87
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Glare control	< 24
Photobiological Risk Group	RG0
Total power consumption (W)	19
Electrical protection	Class I
Control gear type	Electronic ballast
Control gear mounting	Remote
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK02
Product EAN number	5025768606795

DATA TABLE

General data

Product name	ASCENT 100 II ARCH 1650 3K DALI EMPRO 120 CR90 SM
Technology	LED
Cap/Base	N/A
Housing	Aluminium

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Mount	Ceiling surface mounting
Operating temperature range (°C)	25°C...+25°C
Performance ambient temperature Tq (°C)	25
Warranty	5 years

Optical data

Fixture luminous flux (lm)	1650
Luminaire efficacy (lm/W)	87
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Glare control	< 24
Photobiological Risk Group	RG0
Emergency duration (h)	3

Electrical data

Total power consumption (W)	19
Primary Supply/Product voltage - min (V)	220
Lamp power factor	0.95
Electrical protection	Class I
Control gear type	Electronic ballast
Control gear mounting	Remote
Drive current (mA)	350
Inrush Current (A)	20
Inrush Duration (µs)	20
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	31
Connectable conductor cross section - Min (mm²)	0.5
Connectable conductor cross section - Max (mm²)	1.5

Lifetime data

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

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK02
Diffuser finish	Opal
Diffuser material	PMMA Acrylic

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Nominal Product Diameter (mm)	186
Weight (kg)	0.8

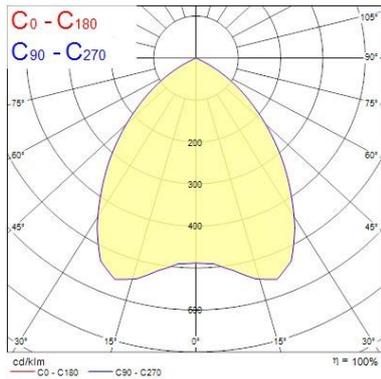
Packaging

Single packaging type	Carton
Product EAN number	5025768606795
Packaging single width (cm)	20.0
Packaging single depth (cm)	18.0
DUN14 (outer)	05025768606795
Packaging outer length / height (cm)	20.0

Safety data

Optimal operating condition (°C)	25-25
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	Illuminance [lx]
0.5	0.92	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	3220
1.0	1.83	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	805
1.5	2.75	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	358
2.0	3.67	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	201
2.5	4.58	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	129
3.0	5.50	E ₀ [lx]	E ₁ [lx]	E ₂ [lx]	89

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 85.0°)

TECHNICAL DRAWINGS

