

## Ascent 100 II Arch 160

ASCENT 100 II ARCH 3600 3K STD EMG 160  
2060571



### Product features

- The ASCENT 100 II ARCH 3600 3K STD EMG 160 is a high efficient non dimmable downlight luminaire with 3 hour emergency, Colour rendering index Ra >80, Colour temperature: 3000K Warm White, Class II, Protection rating IP40/IP20, Cut out dimensions: 178mm. Additional accessories of diffusers and plaster in available.



### PRODUCT OVERVIEW

Product name	ASCENT 100 II ARCH 3600 3K STD EMG 160
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
General application	Hospitality, Office, Retail
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	3548
Luminaire efficacy (lm/W)	111
LOR (%)	100
Colour temperature (K)	3000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Glare control	< 26
Photobiological Risk Group	RG0
Total power consumption (W)	32
Electrical protection	Class II
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	No
Dimming method	N/A
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK02
Product EAN number	5025768605712

### DATA TABLE

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### General data

<b>Product name</b>	ASCENT 100 II ARCH 3600 3K STD EMG 160
<b>Technology</b>	LED
<b>Cap/Base</b>	N/A
<b>Housing</b>	Aluminium
<b>Mount</b>	Ceiling recessed mounting
<b>General application</b>	Hospitality, Office, Retail
<b>Operating temperature range (°C)</b>	25°C...+25°C
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC001744
<b>Warranty</b>	5 years

### Optical data

<b>Fixture luminous flux (lm)</b>	3548
<b>Luminaire efficacy (lm/W)</b>	111
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	3000
<b>CRI (Ra)</b>	80
<b>Colour Consistency (SDCM)</b>	3
<b>Colour Variation Initial (SDCM)</b>	SDCM3
<b>Beam Angle (°)</b>	85
<b>Distribution type</b>	Diffuse
<b>Glare control</b>	< 26
<b>Photobiological Risk Group</b>	RG0
<b>Emergency duration (h)</b>	3

### Electrical data

<b>Total power consumption (W)</b>	32
<b>Mains voltage (V)</b>	220-240V
<b>Lamp power factor</b>	0.95
<b>THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %</b>	15
<b>Electrical protection</b>	Class II
<b>Control gear required</b>	Yes
<b>Control gear type</b>	Electronic ballast
<b>Control gear mounting</b>	Remote
<b>Transformer required</b>	No
<b>Dimmable</b>	No
<b>Dimming method</b>	N/A
<b>Drive current (mA)</b>	600
<b>Inrush Current (A)</b>	25
<b>Inrush Duration (µs)</b>	150
<b>Glow Wire Test (°C)</b>	650
<b>Energy Efficiency Class (A-&gt;G) of contained light source</b>	D
<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>Max. Luminaires per 10A C Breaker</b>	24
<b>Max. Luminaires per 13A C Breaker</b>	32
<b>Max. Luminaires per 16A C Breaker</b>	40

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Max. Luminaires per 20A C Breaker	51
Max. Luminaires per 10A B Breaker	14
Max. Luminaires per 13A B Breaker	19
Max. Luminaires per 16A B Breaker	24
Max. Luminaires per 20A B Breaker	30

### Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	100000
Lifespan L90 B10	47000

### Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40/20
IK rating	IK02
Diffuser finish	Opal
Diffuser material	PMMA Acrylic
Reflector finish	High-gloss
Nominal Product Height (mm)	94
Nominal Product Diameter (mm)	189
Cutout Dimensions (W x L in mm or Diameter in mm)	178
Weight (kg)	1.92

### Packaging

Single packaging type	Carton
Product EAN number	5025768605712
Packaging single length / height (cm)	30.0
Packaging single width (cm)	30.0
Packaging single depth (cm)	12.5
DUN14 (outer)	05025768605712
Units per outer package	1
Packaging outer length / height (cm)	30.0
Packaging outer width (cm)	30.0
Packaging outer depth (cm)	12.5

### Safety data

Optimal operating condition (°C)	25-25
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## PHOTOMETRY

## Ascent 100 II Arch 160

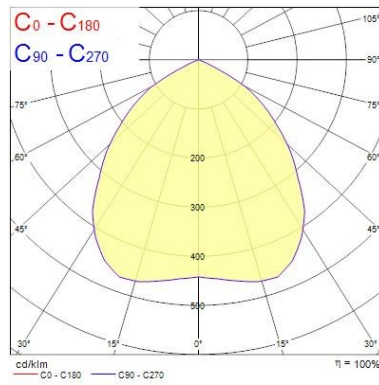
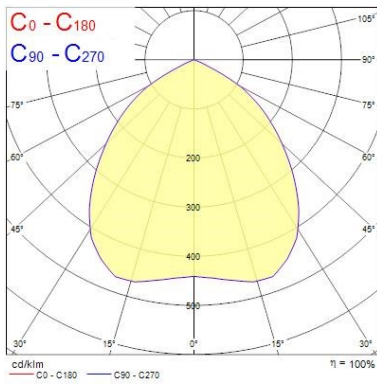
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0.5	1.09	E(0°) E(C0)	47.5°	6270 1032
1.0	2.18	E(0°) E(C0)	47.5°	1568 259
1.5	3.27	E(0°) E(C0)	47.5°	697 115
2.0	4.37	E(0°) E(C0)	47.5°	392 64
2.5	5.46	E(0°) E(C0)	47.5°	251 41
3.0	6.55	E(0°) E(C0)	47.5°	174 29

Distance [m]      Cone diameter [m]      Illuminance [lx]  
C0 - C180 (Half beam angle: 95.0°)

0.5	1.10	E(0°) E(C0)	47.5°	315 52
1.0	2.19	E(0°) E(C0)	47.5°	79 13
1.5	3.29	E(0°) E(C0)	47.5°	35 6
2.0	4.38	E(0°) E(C0)	47.5°	20 3
2.5	5.48	E(0°) E(C0)	47.5°	13 2
3.0	6.57	E(0°) E(C0)	47.5°	9 1

Distance [m]      Cone diameter [m]      Illuminance [lx]  
C0 - C180 (Half beam angle: 95.2°)



## TECHNICAL DRAWINGS

