

## Ascent 100 II Arch 160

ASCENT 100 II ARCH 2700 3K STD EMG 160  
2060561



### Product features

- The ASCENT 100 II ARCH 2700 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 2700 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)      | 2649                                   |
| Luminaire efficacy (lm/W)       | 120                                    |
| LOR (%)                         | 100                                    |
| Colour temperature (K)          | 3000                                   |
| CRI (Ra)                        | 80                                     |
| Colour Variation Initial (SDCM) | SDCM3                                  |
| Colour Consistency (SDCM)       | 3                                      |
| Beam Angle (°)                  | 85                                     |
| Glare control                   | < 25                                   |
| Photobiological Risk Group      | RG0                                    |
| Total power consumption (W)     | 22                                     |
| 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              | 5025768605613                          |

### DATA TABLE

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### General data

|  |  |
|--|--|
| <b>Product name</b>                            | ASCENT 100 II ARCH 2700 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>      | 2649    |
| <b>Luminaire efficacy (lm/W)</b>       | 120     |
| <b>LOR (%)</b>                         | 100     |
| <b>Colour temperature (K)</b>          | 3000    |
| <b>CRI (Ra)</b>                        | 80      |
| <b>Colour Variation Initial (SDCM)</b> | SDCM3   |
| <b>Colour Consistency (SDCM)</b>       | 3       |
| <b>Beam Angle (°)</b>                  | 85      |
| <b>Distribution type</b>               | Diffuse |
| <b>Glare control</b>                   | < 25    |
| <b>Photobiological Risk Group</b>      | RG0     |
| <b>Emergency duration (h)</b>          | 3       |

### Electrical data

|   |                    |
|---|--------------------|
| <b>Total power consumption (W)</b>                                    | 22                 |
| <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> | 10                 |
| <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>   | 400                |
| <b>Inrush Current (A)</b>   | 5                  |
| <b>Inrush Duration (µs)</b>   | 50                 |
| <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>                              | 50                 |
| <b>Max. Luminaires per 16A C Breaker</b>                              | 80                 |
| <b>Max. Luminaires per 16A B Breaker</b>                              | 50                 |

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### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 100000 |
| Lifespan L90 B10 | 58000  |

### 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                             |

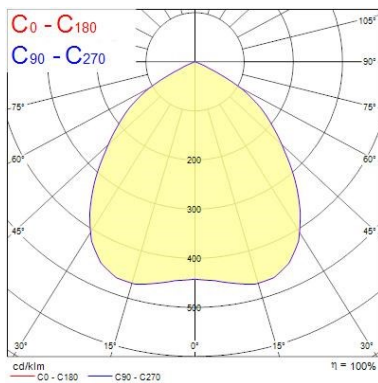
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768605613  |
| Packaging single length / height (cm) | 30.0           |
| Packaging single width (cm)           | 30.0           |
| Packaging single depth (cm)           | 12.5           |
| DUN14 (outer)                         | 05025768605613 |
| 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 |
|----------------------------------|-------|

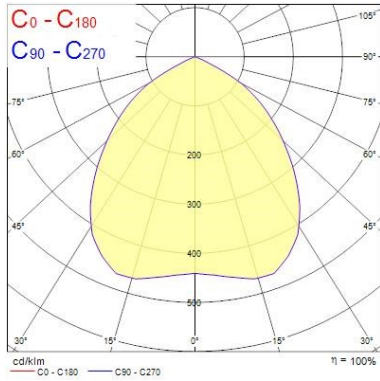
## PHOTOMETRY



| Distance [m] | Cone diameter [m] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|------------------|
| 0.5          | 1.10              | 47.6°          | 315              |
| 1.0          | 2.19              | 47.6°          | 79               |
| 1.5          | 3.29              | 47.6°          | 35               |
| 2.0          | 4.38              | 47.6°          | 20               |
| 2.5          | 5.48              | 47.6°          | 13               |
| 3.0          | 6.57              | 47.6°          | 9                |

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

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|     |      |                |       |             |
|-----|------|----------------|-------|-------------|
| 0.5 | 1.08 | E(0°)<br>E(C0) | 47.3° | 4988<br>778 |
| 1.0 | 2.17 | E(0°)<br>E(C0) | 47.3° | 1172<br>184 |
| 1.5 | 3.25 | E(0°)<br>E(C0) | 47.3° | 521<br>88   |
| 2.0 | 4.33 | E(0°)<br>E(C0) | 47.3° | 290<br>48   |
| 2.5 | 5.42 | E(0°)<br>E(C0) | 47.3° | 188<br>31   |
| 3.0 | 6.50 | E(0°)<br>E(C0) | 47.3° | 130<br>22   |

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 C0 - C180 (Half beam angle: 94.6°)

### TECHNICAL DRAWINGS

