SMIx

Product information

A wide range of control options to give optimum light distribution, this is what our outdoor fixture can provide. Economy, safety and aesthetics are the key to the SMIx, which produces uniform illuminance, both at low and high levels. The SMIx is also fully compatible with GE’s LightGrid technology for Intelligent City solutions, opening up multiple possibilities, further down the road.

Application areas

• Road and street lighting
• Residential areas
• Pedestrian areas and bikeways

Installation and maintenance

Mounting options

Post top mounting: pole diameter 30-60mm
Adjustable: 0°, 5°, 10°, 15°
Side mounting: arm diameter 30-76mm
Adjustable: 0°, -5°, -10°, -15°
Weight range*: from 7 to 8kg;
Recommended mounting height: 6-15 m
Easy and quick installation via precabling with or without IP68 connector

Ambient operating temperature: -40°C to +50°C
Storage temperature: up to 85 °C

Structures and materials

Housing material: die-cast aluminium body, stainless steel screws
Surface finish: polyester powder coat
Colour: RAL7035
Optical cover: tempered glass
Ingress protection: IP66*
Mechanical impact protection: optical IK08, housing IK09*

Performance**

• Rated input power range: from 40W-141W
  ➢ For rated power by specific SKU see IES files!
• Rated luminous flux range: 4,140 to 15,680 lm
• Rated luminaire efficacy: up to 113 lm/W
• Rated median useful life and the associated rated LM factor:
  L80B50(10K): 111,600 hours
• Rated abrupt failure value (@L90B50): 2.95 %
• Lumen maintenance code: 9
• Rated colour rendering index (CRI): >70
• Rated correlated colour temperatures: 4000K
• Rated initial chromaticity co-ordinate values:
  CIE(x= 0.38, y= 0.38) SDCM=5 (4000K)
• Rated ambient temperature (tq) related to performance
  for a luminaire: 25°C

Optics

S/P rating: 4000K: 1.47
ULOR: 0

Available photometric distributions:
• A: optimized for narrow S class roads
• B: optimized for wide S class roads
• C: optimized for high traffic ME class roads

And various combinations of the above are also available. (e.g.: BAB optic code = 2×B + 1×A)

*Depending on actual configuration
**Definitions and tolerances according to IEC62722-2-1:2014
**Electrical**

Input voltage and frequency: 220-240V, 50-60Hz  
IEC Protection Class: Class I  
Surge protection: 6kV standard / 10kV option available

**Driver and control system features**

Driver: dimmable  
Dimming type: none, DALI, DynaDim, ClockDim,  
Minimum dimming level: 50%  
Additional controls: Daylight sensor for supply switching, Lightgrid, Constant Light Output

**Typical photometrical features**

![Graph 1](image1.png)  
![Graph 2](image2.png)  
![Graph 3](image3.png)

**Regulatory and standards**

Regulatory marks: CE, ENEC18  
Harmonized standards: EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547

**Other options available**

- Precabling selectable with or without IP68 connector  
- Optional enhanced surge protection up to 10kV/5kA  
- Optional daylight sensor controlled voltage supply switching  
- Light Grid control available  
- Other RAL colors available on request
Dimensions (mm)

Order logic

<table>
<thead>
<tr>
<th>Name</th>
<th>Gen.</th>
<th>Location</th>
<th>Optics</th>
<th>Power category [W]****</th>
<th>CCT [K]</th>
<th>Control</th>
<th>Accessories</th>
<th>IEC protection classes</th>
<th>Precabling</th>
<th>Monting</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMIx</td>
<td>1</td>
<td>Europe</td>
<td>CBC CAC CCC BCB BAC ABA AAA</td>
<td>40 70 90 140</td>
<td>40 4000K</td>
<td>N No control</td>
<td>Standard type</td>
<td>M3 Minicell 35lux</td>
<td>U48 Universal coupler 30-48mm</td>
<td>R7035 RXXXX***</td>
<td></td>
</tr>
</tbody>
</table>

*Accessory options are not available with D, C, V control types
**ClockDim is available with 40W, DynaDim is available with 70-140W
***Other RAL colors available on request
****For rated power by specific SKU see IES files!

Example: **SMIx/1/E/CAC/40/40/D/M3/C1/PC5/U60/R7035**