



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 precabing with or without IP68 connector

Ambient operating temperature: -40C° to +50C°

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 (t_a) 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

Regulatory and standards

Regulatory marks: CE, ENEC18

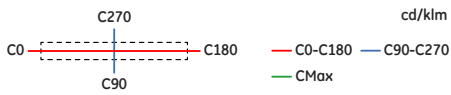
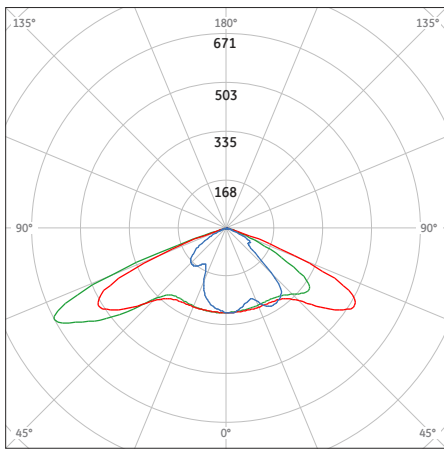
Regulations: Directive 2004/108/EC, 2006/95/EC, 2009/125/EC, 1194/2012/EU, 2011/65/EC

Harmonized standards: EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547

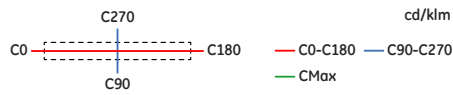
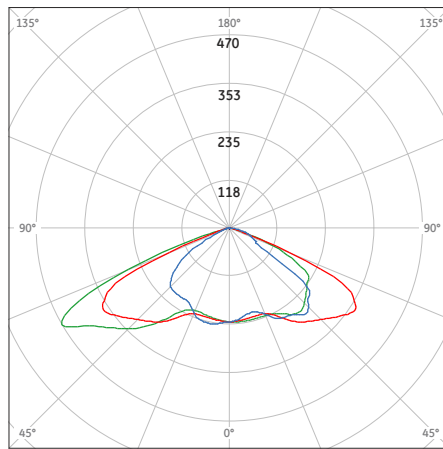
Other options available

- Precabing 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

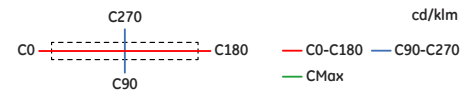
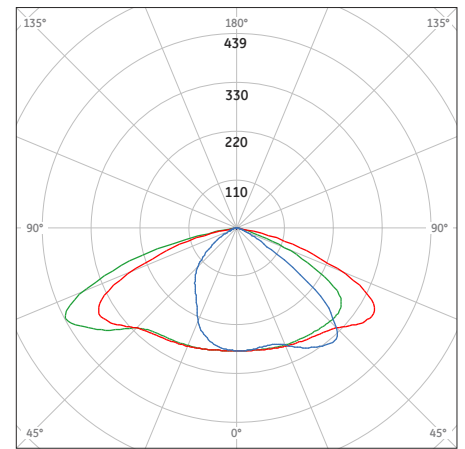
Typical photometrical features



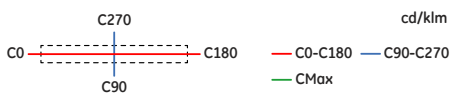
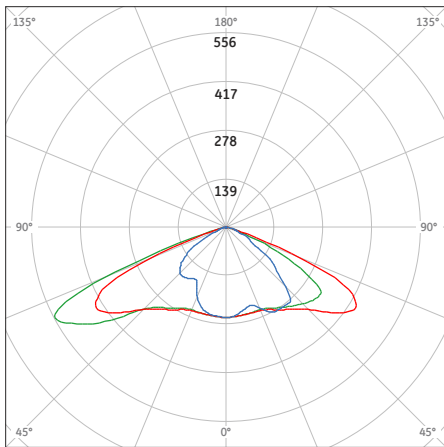
AAA



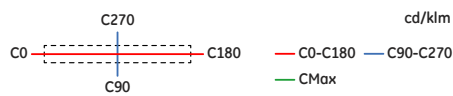
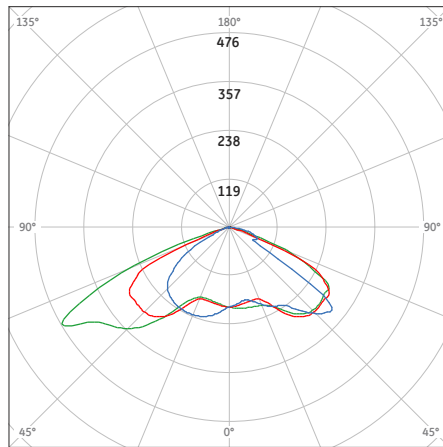
BAB



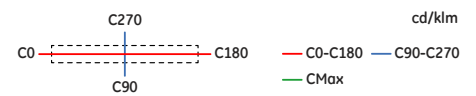
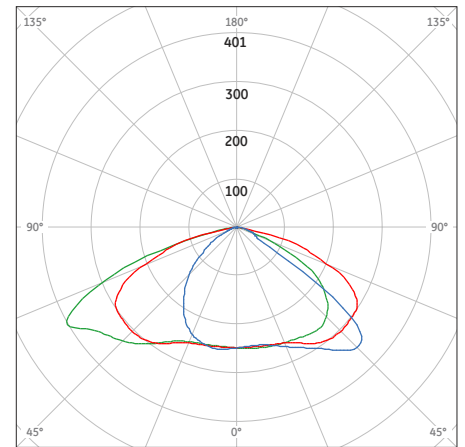
CAC



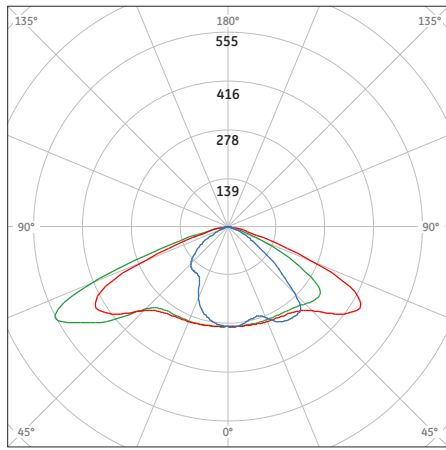
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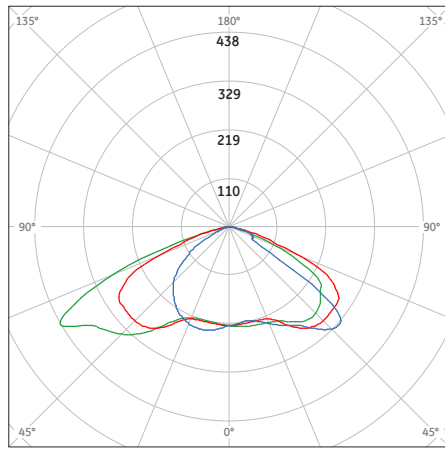
BBB



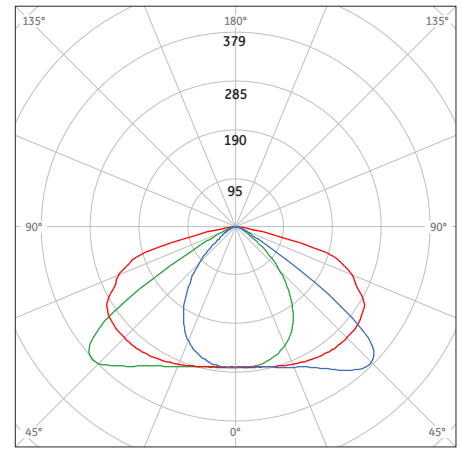
CBC



ACA
C0 - C270
C90
C270
cd/klm
C180
C90-C270
C0-C180
CMax

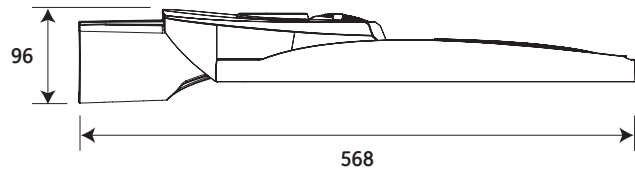
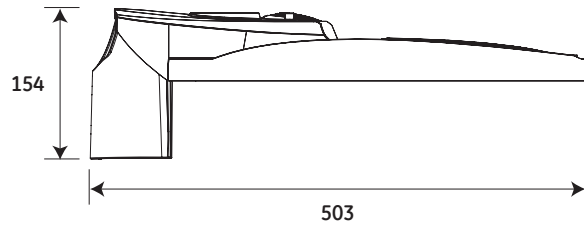
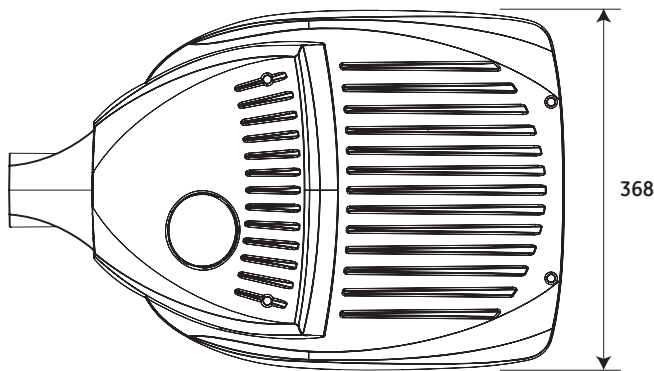


BCB
C0 - C270
C90
C270
cd/klm
C180
C90-C270
C0-C180
CMax



CCC
C0 - C270
C90
C270
cd/klm
C180
C90-C270
C0-C180
CMax

Dimensions [mm]



Order logic

Name	Gen.	Location	Optics	Power category [W]****	CCT [K]	Control	Accessories	IEC protection classes	Precabing	Monting	Color
SMix	1	E Europe	CBC CAC CCC BCB BAB BBB ACA ABA AAA	40 70 90 140	40 4000K	N No control D DALI* C ClockDim* ** Y DynaDim* **	ST Standard type SP Enhanced surge protection M3 Minicell 35lux LS NEMA Socket with Shorting Cap* LN NEMA Socket with LightGrid node*	C1 Class I	PX Pre cabling (X meter cable length) PCX Pre cabling with connector (X meter cable length)	U48 Universal coupler 30-48mm U60 Universal coupler 42-60mm	R7035 RXXXX**

*Accessory options are not available with D, C, Y 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**