

SMix

DATA SHEET



Product information

GE's SMix offers an optimal solution for street lighting. Taking advantage of GE's proprietary modular refractive optic system, a wide range of light distributions can be achieved. The optimized mechanical design provides simple installation, adjustability, and reliability.

Application areas



Pedestrian street



Roadways
and Highways

Driver features

- Electronic, dimmable (DALI) driver with autonomous dimming: 40-140W

Structures and materials

- Housing material: die-cast aluminium body and UV stable plastic door with corrosion resistant polyester powder coat, stainless steel screws and brackets
- Optic material: Optical-grade polycarbonate
- Optical cover: Tempered glass
- Colour: RAL7035
- Impact Strength: IK08 on optical parts, IK09 on housing and coupler

Electrical

Input voltage and frequency: 220-240V, 50-60Hz
Class I: standard
Surge protection: minimum 6kV/3kA
Rated input power: 40W to 141W

Installation and maintenance

Mounting options:

- Side-mounting coupler for 30-60mm diameters and -15°, -10°, -5°, 0° tilt options
- Post top mounting coupler for 30-60mm diameters and 15°, 10°, 5°, 0° tilt options
- Weight: 8 kg
- Recommended mounting height: 4 - 15m
- Only two hand-tools required for installing the fixture
- Storage temperature up to 85°C.
- Ambient temperature from -40°C to +50°C

Optics

Available photometric distributions:

- A: optimized for narrow S type roads
- B: optimized for wide S class roads
- C: optimized for high traffic ME class roads

Rated colour rendering index >70

Rated correlated colour temperatures*: 4000K
ULOR: 0

Rated initial chromaticity co-ordinate values:

- CIE(x= 0.38, y= 0.38) 5 SDCM

Performance

- Rated luminous flux range: from 4140 to 15680 lm
- Rated luminaire efficacy: Up to 113lm/W
- Rated median useful life and the associated rated LM factor L80B50: > 111.000 hours
- Rated abrupt failure value: 3.12 %*
- Photometric code: 740/559
- Lumen maintenance code: 8
- Rated ambient temperature (tq) related to performance for a luminaire: 25°C

*Definitions and tolerances according to IEC62722-2-1:2014

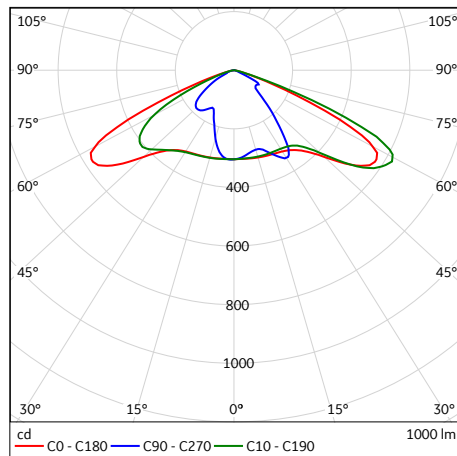
Standards and regulation

CE, ENEC, Directive 2004/108/EC, 2006/95/EC, 2009/125/EC, 1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547, IEC 62031

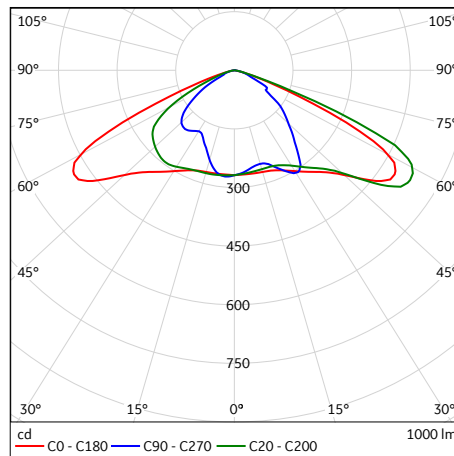
Other options available

Precabing, extra surge protection up to 10kV/5kA, NEMA socket with shorting cap or lightgrid node

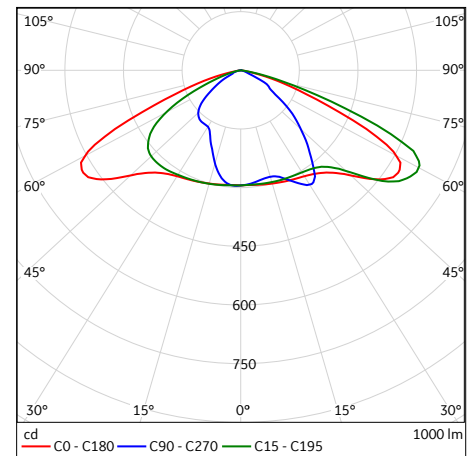
Typical photometrical features



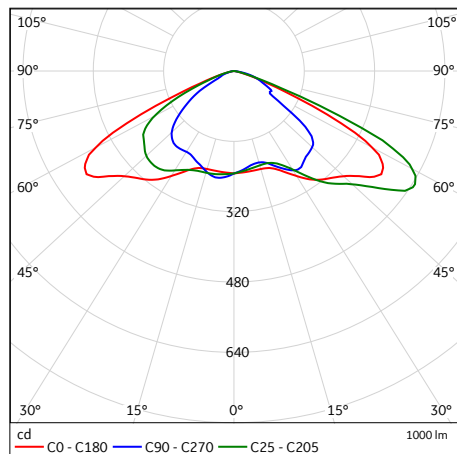
AAA



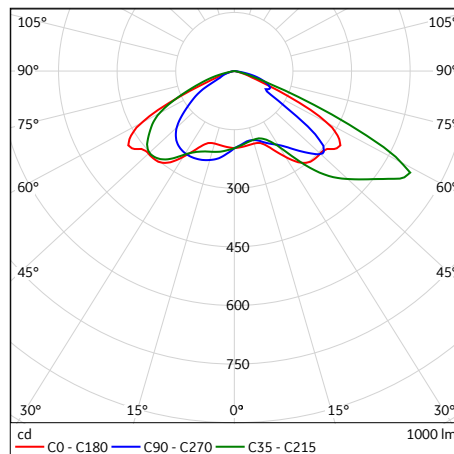
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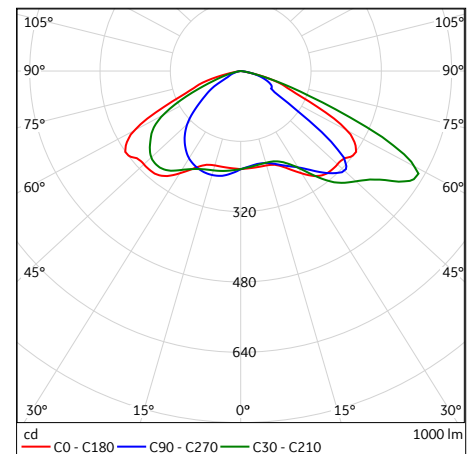
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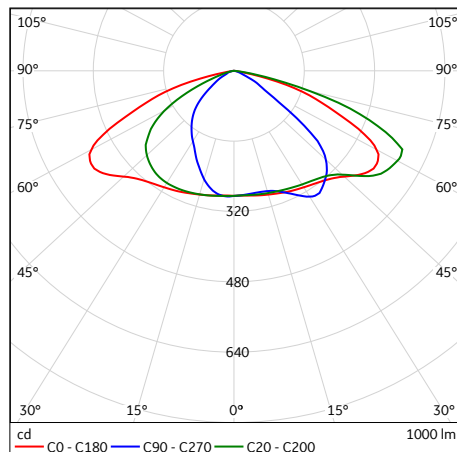
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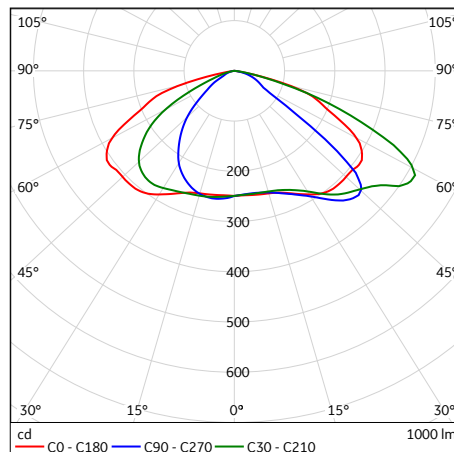
BBB



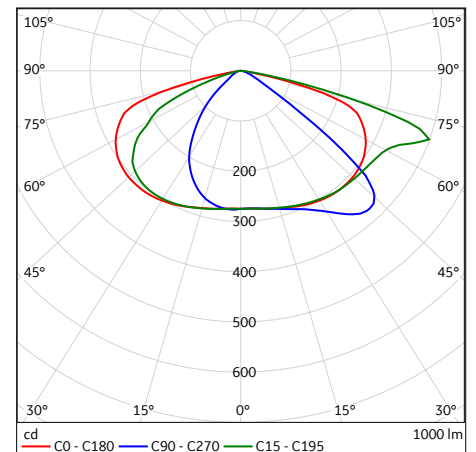
BCB



CAC

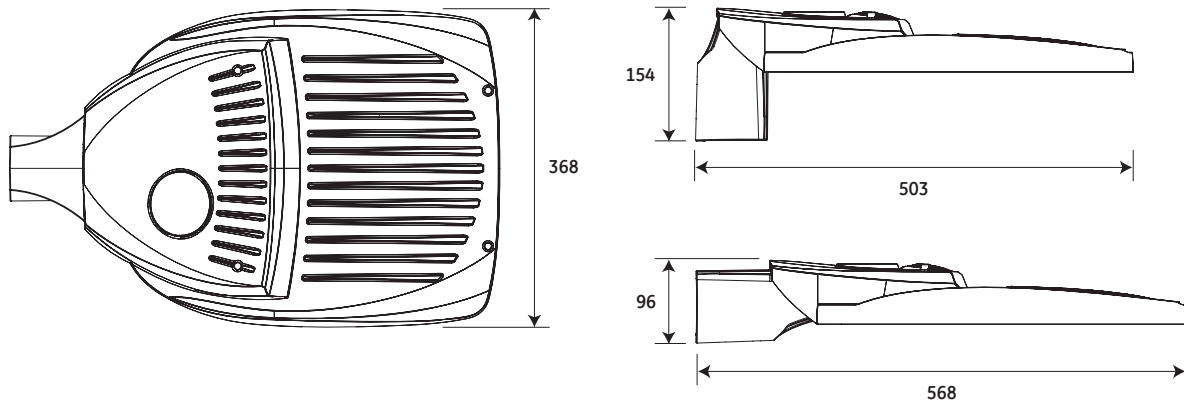


CBC



CCC

Dimensions (mm)



Order logic

Name	Gen.	Location	Optics	Power (W)	CCT (K)	Control	Accessories	IEC protection classes	Precabling***	Mounting	Color		
SMix	1	E- Europe	AAA	40 70 90 140	40-4000	N - No control	ST - Standard type	C1 - Class I	PX- Pre cabling with X meters	U48 - Universal coupler 30-48 mm	R7035		
			ABA				M3 - Minicell 35lx *						
			ACA				SP - Enhanced Surge Voltage Protection						
			BBB				LS - 7 pin NEMA socket *						
			BAB				LN - NEMA socket with LightGrid node *						
			BCB				Y - DynaDim					PCX- Pre cabling with X meters and connector	U60 - Universal coupler 50-60 mm
			CCC				C - Clockdim						
CAC													
CBC													

Example: SMix/1/E/AAA/140/40/D/M3/C1/PC3/U60/R7035

Exceptions:

*: option is not available with D, C, Y

**.: ClockDim is available with 40W, Dynadim is available with 70-140W

***: Maximum precabbling length is 5m

****: Other RAL colors available on request