

SMBt

DATA SHEET



Product information

Introducing GE's new LED roadway lighting fixture, which makes all the advantages of LED lighting available for a wide audience. Designed to replace 35-150W HID fixtures, the SMBt is a great LED solution for minor roads, residential streets and other public spaces where modest level of illumination are required.

Application areas



Pedestrian street



Car park



Road & street lighting

Driver features

- Electronic, dimmable (DALI) driver with autonomous dimming: 16-105W
- Minimum dimming level 14W

Structures and materials

- Housing material: die-cast aluminium body, corrosion resistant screws and brackets
- Optic material: coated polycarbonate
- Optical cover: glass
- Colour: RAL7035

Performance

- Rated luminous flux range: from 1.920 to 11.700 lm at 4000K
- Rated luminaire efficacy: Up to 125lm/W at 4000K.
- Photometric code: 730/559, 740/559
- Rated median useful life and the associated rated LM factor L80B50: > 102.000 hours
- Rated abrupt failure value: 11.5 %
- 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

**Project specific

Installation and maintenance

Mounting options:

- Side mount bracket \varnothing 42mm-60mm
- Post top bracket \varnothing 42mm-76mm
- Universal coupler side \varnothing 35mm-76mm
- Universal coupler post \varnothing 35mm-76mm
- Bracket can be adjusted: -5°, 0°, +5°
- Universal Coupler can be adjusted -15°,-10°, -5°, 0°, +5°, +10°, +15° by 5°degree steps
- Weight: 7,5 kg
- Storage temperature up to 85°C.
- Ambient temperature from -30°C to +35°C

Optics

Available photometric distributions:

- Narrow Asymmetric – medium (B)
- Asymmetric – short (C)
- Asymmetric forward – very short (D)
- Asymmetric – medium (E)
- Forward asymmetric – medium (F)
- Narrow asymmetric – short (N)
- Narrow asymmetric with backlight – short (P)
- Narrow asymmetric – medium (R)
- Narrow asymmetric – medium (S)
- Asymmetric – short (T)
- Asymmetric – medium (U)

Rated colour rendering index:>70

Rated correlated colour temperatures*: 3000K, 4000K

S/P rating for : 3000K: 1.33, 4000K: 1.56

ULOR: 0

Rated initial chromaticity co-ordinate values 3000K, 4000K:

- CIE(x=0.43, y=0.403) 5SDC
- CIE(x= 0.38, y= 0.38) 5SDC

Electrical

Input voltage and frequency: 220-240V, 50-60Hz

Class I: standard

Surge protection: minimum 6kV/3kA

Rated input power: 15W to 105W

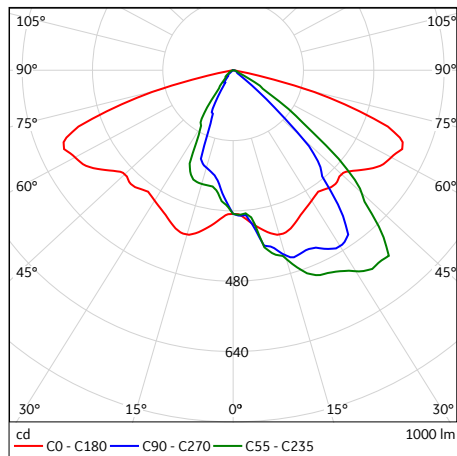
Standards and regulation

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

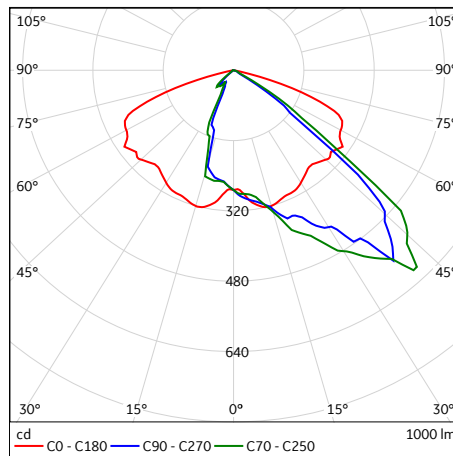
Other options available

Precabing, extra surge protection up to 10kV/5kA,
daylight sensor

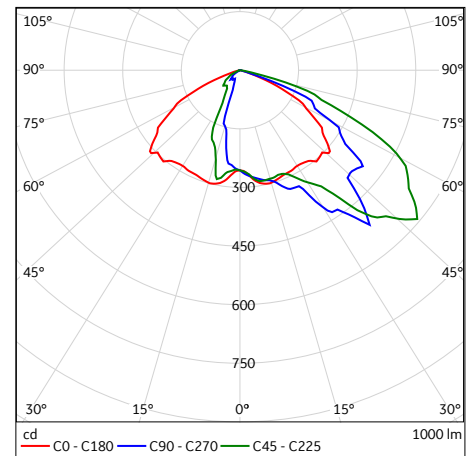
Typical photometrical features



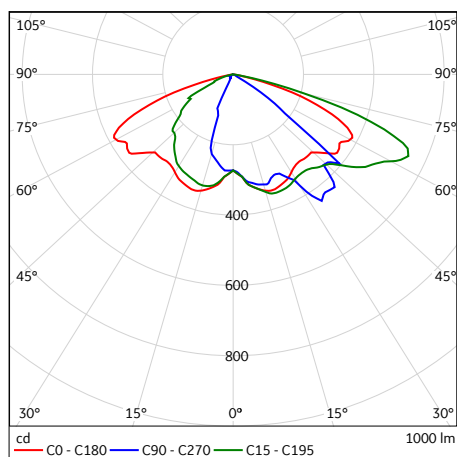
B



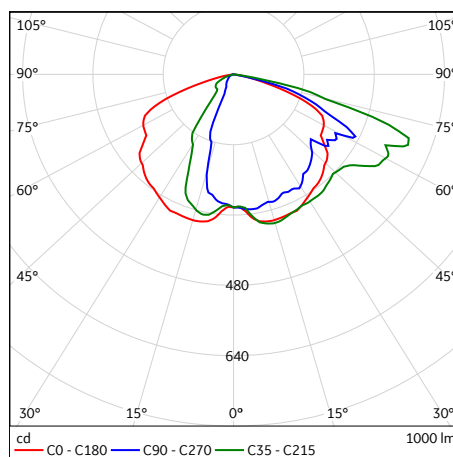
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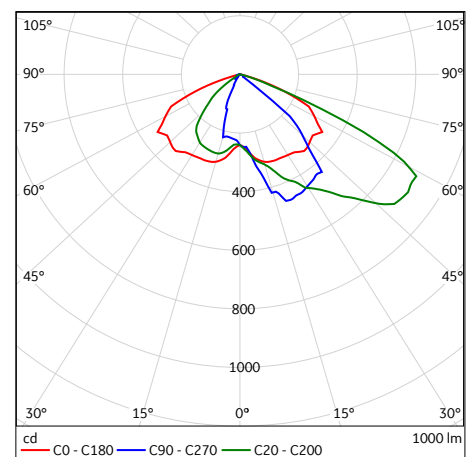
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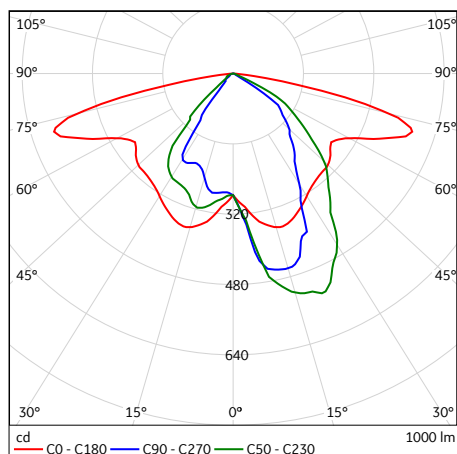
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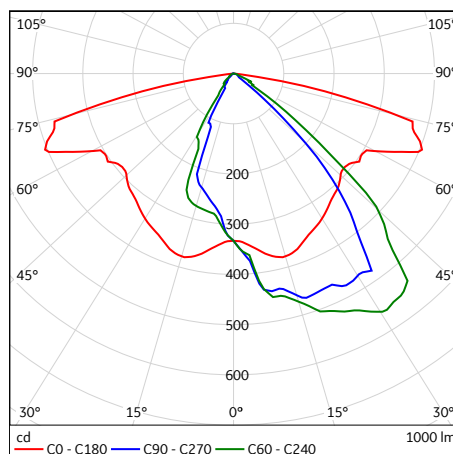
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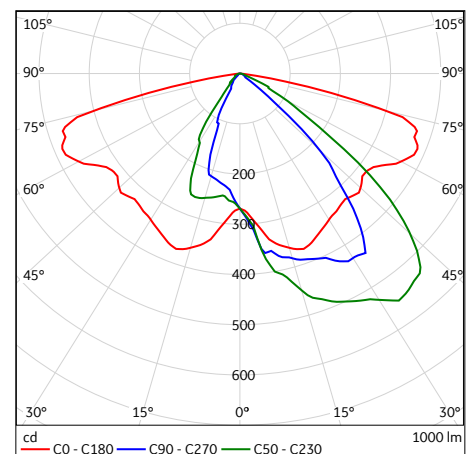
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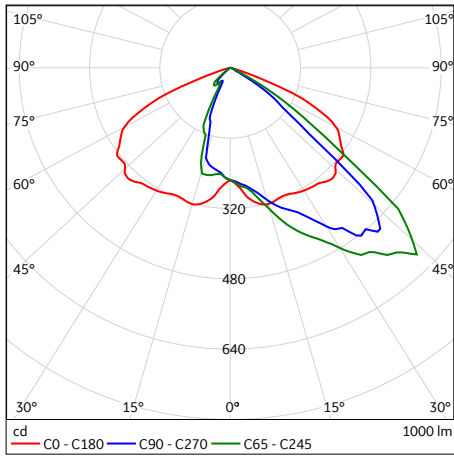
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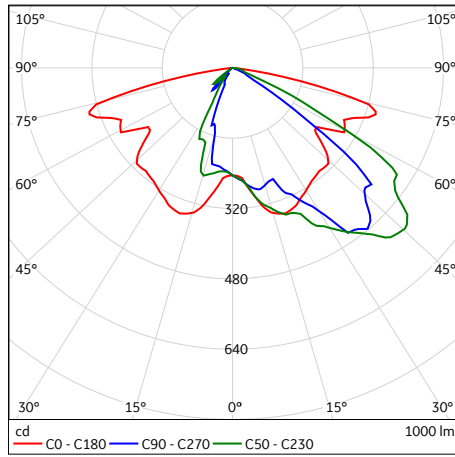
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S

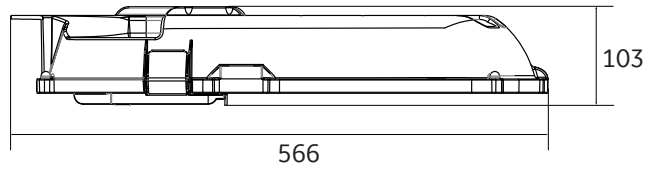
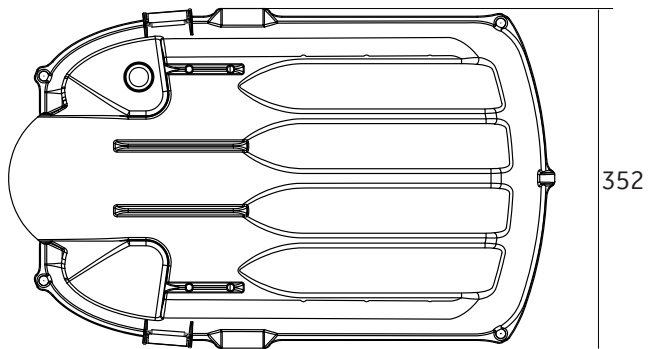


T



U

Dimensions (mm)



Order logic

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabbling	Mounting	Color		
SMBT	1	F-Flat Glass				N - No control							
						D - DALI					S60 - Side mount bracket 42-60mm		
			B	15		Y - DynaDim	ST - Standard type				P76 - Post top bracket 48-76mm		
			C	20		C - Clockdim	M3 - Minicell 35lux*					U35 - Universal coupler 35-42 mm	
			D	25		NL - No control with CLO	SP - Extra Surge protection	C1 - Class I	N - No precabbling			U50 - Universal coupler 42-55 mm	
			E	30		P	F - Fuse*	C2 - Class II	PXX - Precabbling with XX meters			U60 - Universal coupler 50-60 mm	
			F	35		R	LS - 7 pin NEMA socket**					U76 - Universal coupler 55-76 mm	
			N	40		S	SR - Smart connector						
			P	50		T	CL - Clockdim with CLO						
			R	60		U							
			S	75									
T	90												
U	105												

Example: SMBt/1/F/B/105/40/N/ST/C1/N/S60

*Minicell and Fuse is not available with C2 IEC protection class

**7 pin Nema socket is not available with C2 IEC protection class