

# SLBt



## Product information

Introducing GE's latest LED road and street fixture, the SLBt, which makes the advantages of outdoor LED lighting available for everyone, even those on tight budgets. Designed to replace 35-100W HID and 24-36W CFL fixtures, the SLBt is a great LED solution for minor roads, residential streets and other public spaces where modest levels of illumination are required.

## Application areas



Pedestrian street



Car park



Street & residential road lighting

## Driver features

- Electronic, dimmable (0-10V or DALI) driver with autonomous dimming: 12-72W.
- Constant Light Output (optional)

## Structures and materials

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

## Performance

- Rated luminous flux range: from 1.220 to 8190 lm at 4000K
- Rated luminaire efficacy: Up to 115lm/W at 4000K.
- Photometric code: 730/559, 740/559
- Rated median useful life and the associated rated LM factor L80B50: > 195.000 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

## Installation and maintenance

Mounting options:

- Side mount bracket  $\varnothing$ 35mm-60mm
- Post top bracket  $\varnothing$ 48mm-76mm
- Universal coupler side  $\varnothing$ 35mm-76mm
- Universal coupler post  $\varnothing$ 35mm-76mm
- Bracket can be adjusted: 0°, +5° (with accessories -5° also available)
- Universal Coupler can be adjusted -15°, -10°, -5°, 0°, +5°, +10°, +15° by 5° degree steps
- Recommended mounting height: 4-15m
- Weight: 5 kg
- Only two hand-tools required for installing the fixture
- Storage temperature up to 85°C.
- Ambient temperature from -30°C to +35°C

## Optics

Available photometric distributions:

- Narrow Asymmetric – medium (B, B2, B5)
- Asymmetric – short (C, C5)
- Asymmetric forward – very short (D)
- Asymmetric – medium (E, E2, E5)
- Forward asymmetric – medium (F, F5, G2)
- Narrow asymmetric – short (N)
- Narrow asymmetric with backlight – short (P, P5)
- Narrow asymmetric – medium (R)
- Narrow asymmetric – medium (S)
- Asymmetric – short (T)
- Asymmetric – medium (U)
- Pedestrian cross walk (X5, Z5)
- Symmetric – medium (Y5)

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 for 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: 12W to 72W

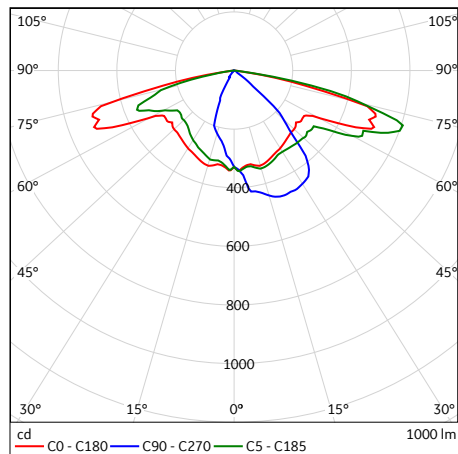
## Standards and regulation

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.

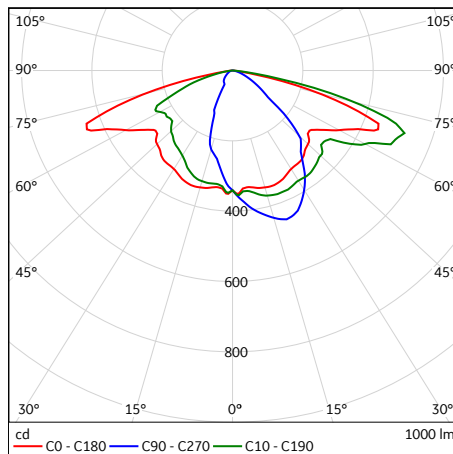
## Other options available

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

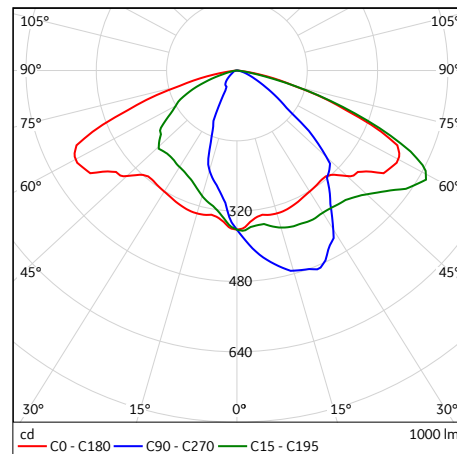
## Typical photometrical features



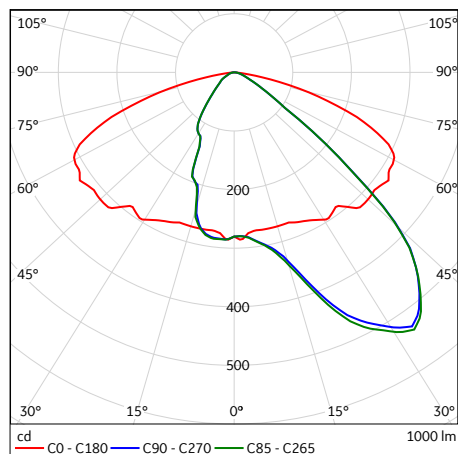
B



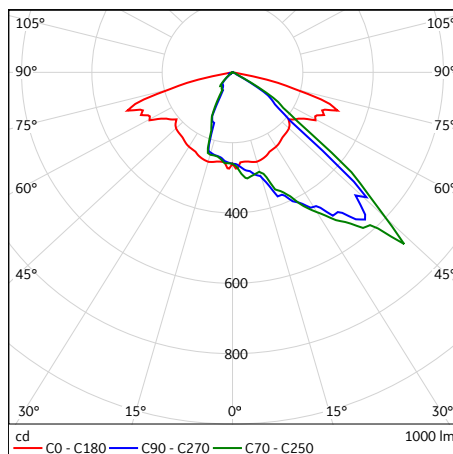
B2



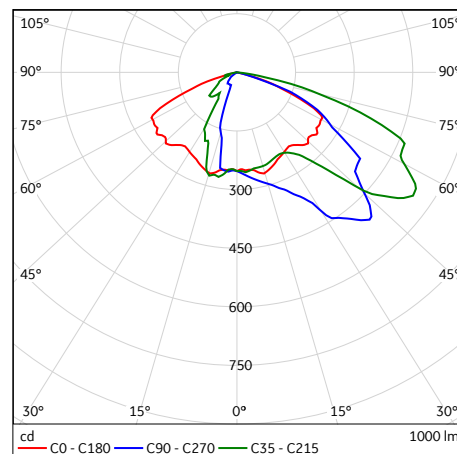
B5



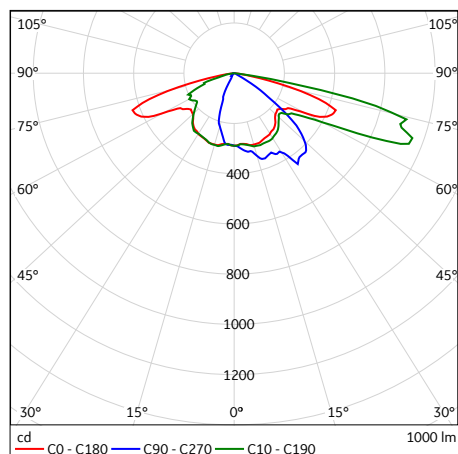
C5



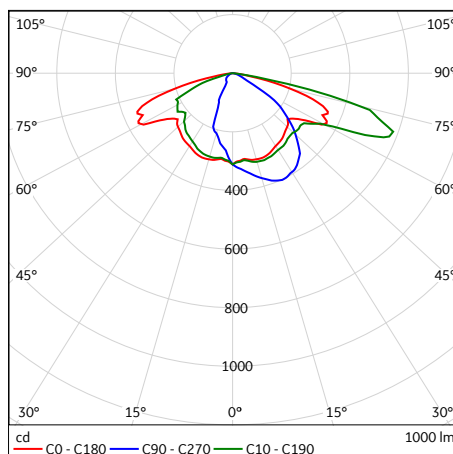
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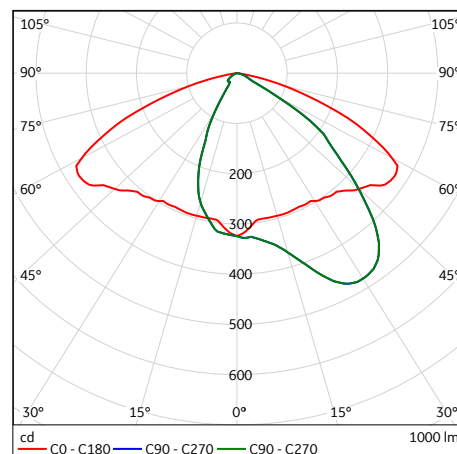
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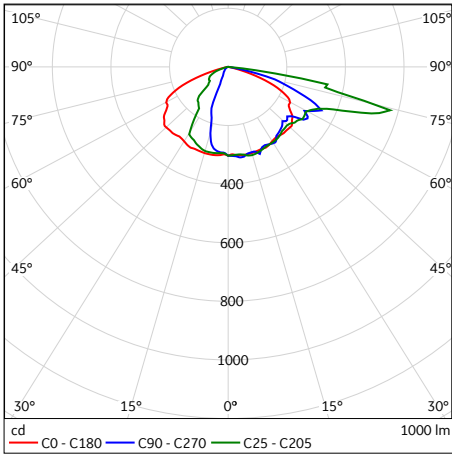
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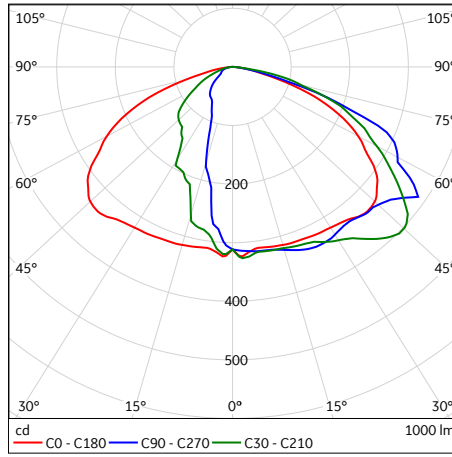
E2



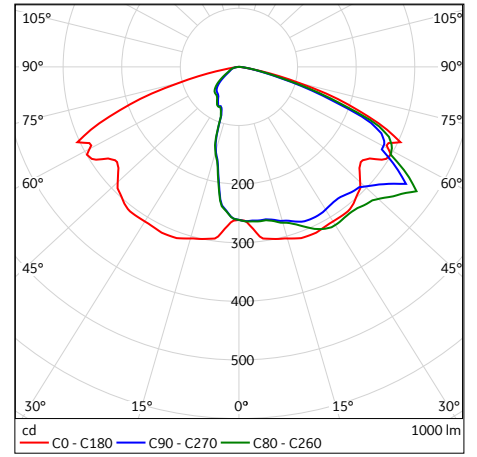
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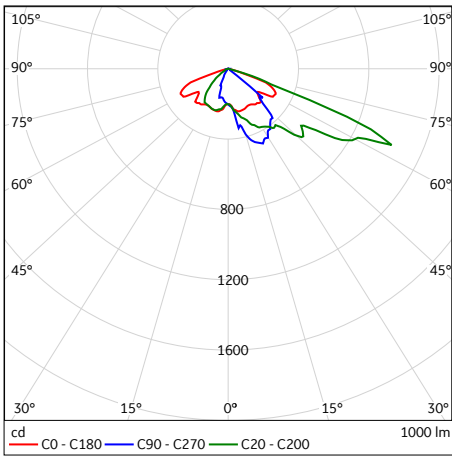
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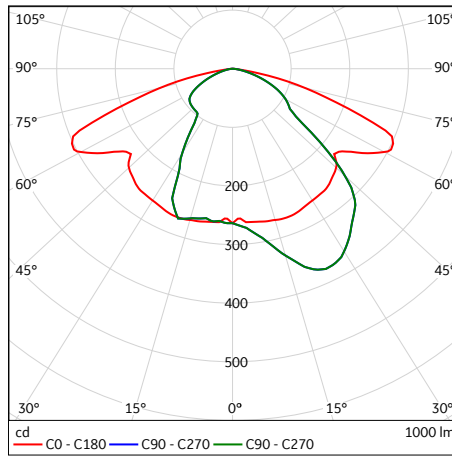
F5



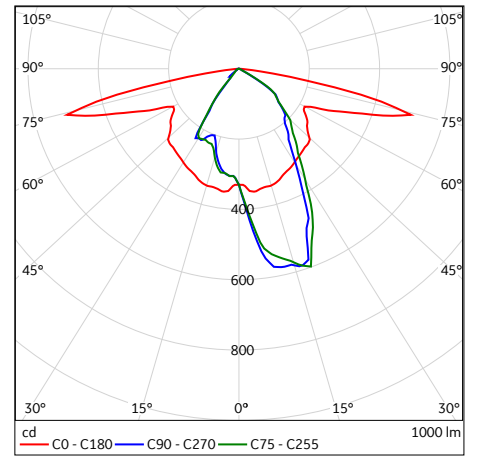
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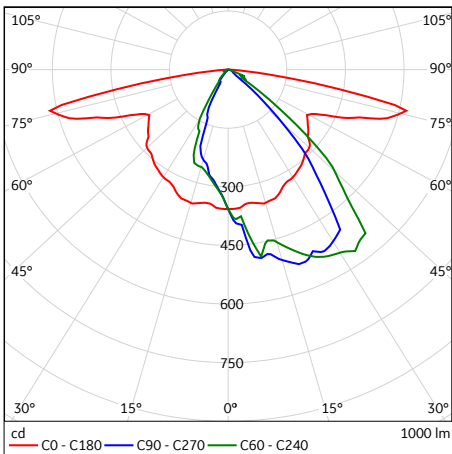
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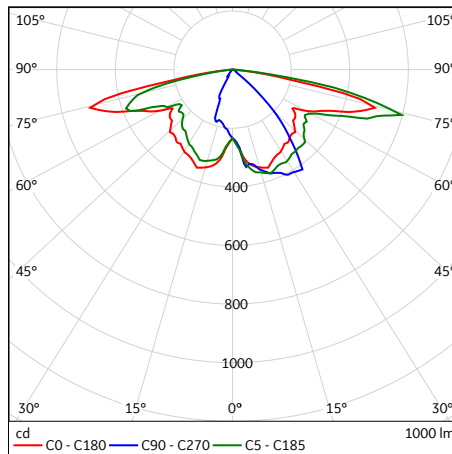
P5



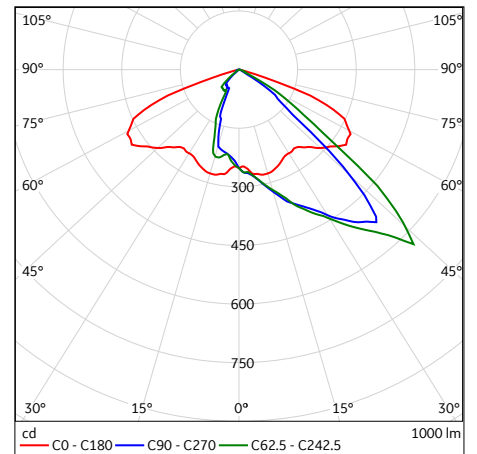
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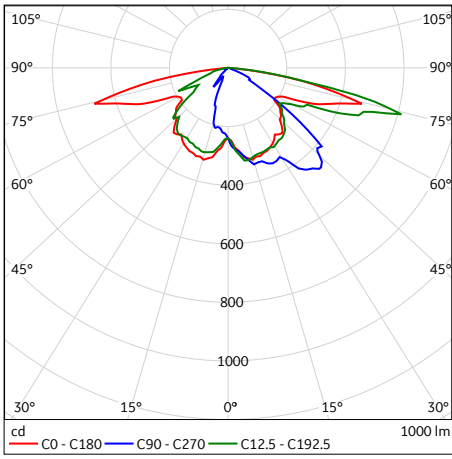
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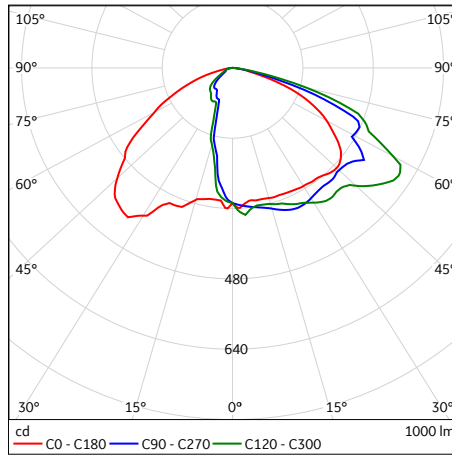
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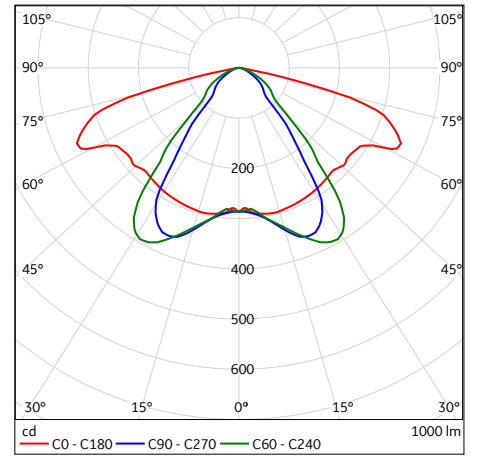
T



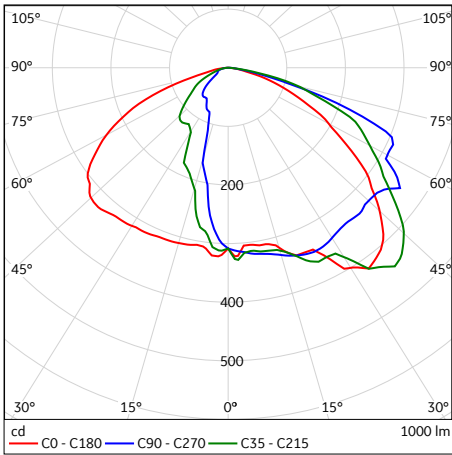
U



X5

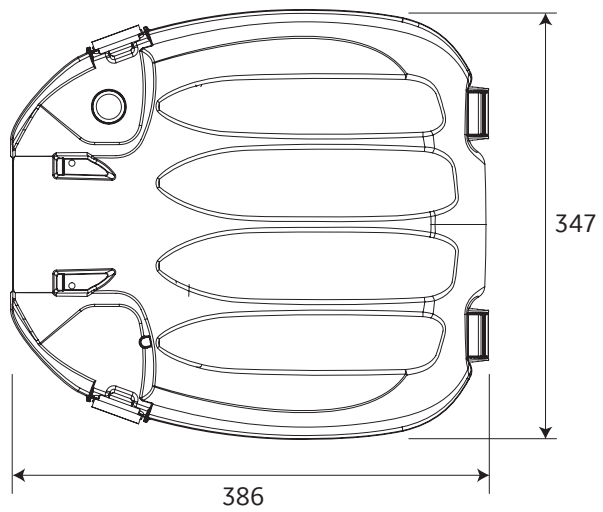
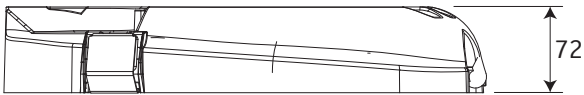


Y5



Z5

## Dimensions (mm)



## Order logic

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabbling	Mounting	Color
SLBt	2	F-Flat Glass	B	12	3-3000 4-4000	<b>N</b> - No control  <b>D</b> - DALI  <b>Y</b> - DynaDim  <b>C</b> - Clockdim  <b>NL</b> - No control with CLO  <b>DL</b> - Dali with CLO  <b>YL</b> - DynaDim with CLO  <b>CL</b> - Clockdim with CLO	<b>ST</b> - Standard type  <b>M3</b> - Minicell 35lux*  <b>M5</b> - Minicell 55lux*  <b>M7</b> - Minicell 70 lux*  <b>SP</b> - Extra Surge protection  <b>F</b> - Fuse*  <b>LS</b> - 7 pin NEMA socket**	<b>C1</b> - Class I  <b>C2</b> - Class II*	<b>N</b> - No precabbling  <b>PXX</b> - Precabbling with XX meters	<b>S60</b> - Side mount bracket 42-60mm  <b>P76</b> - Post top bracket 48-76mm  <b>U35</b> - Universal coupler 35-42 mm  <b>U50</b> - Universal coupler 42-55 mm  <b>U60</b> - Universal coupler 50-60 mm  <b>U76</b> - Universal coupler 55-76 mm	R7035
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X5											
Y5											
Z5											

**Example:** SLBt/2/F/B/20/40/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