

SLBt

DATA SHEET



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

- Street & residential road lighting
- Pedestrian street
- Car parking

Driver features

- Electronic, dimmable (0-10V or DALI) driver with autonomous dimming: 8-72W.

Structures and materials

Housing material: die-cast aluminium body, (EN AC-44 100, LM6 in UK) stainless steel screws and brackets

Optic material: coated polycarbonate

Optical cover: polycarbonate

Colour: RAL7035 (acc. to EN12206-1:2004)

Performance*

Rated luminous flux range: from 740 to 8290 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 for L90(6K): >36,000 hours

Projected median useful life and the associated rated LM factor for L90 (6K): >90,000 hours

Rated abrupt failure value: 12,2 %

Lumen maintenance code: 9

Rated ambient temperature (t_a) related to performance for a luminaire: 25°C

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

Installation and maintenance

Mounting options:

- Side mount $\varnothing 42\text{mm}$ -60mm
- Post top $\varnothing 48\text{mm}$ -76mm
- Universal coupler applicable for side and post mounting $\varnothing 35$ -76mm

Basic coupler can be adjusted to 0° and 5°.

With additional coupler -5° tilt angle also available.

Universal coupler can be adjusted to -15° and +15°

Weight: 4.5 kg (With universal coupler: 6,2 kg)

Recommended mounting height: 4-12 m

Only two hand-tools required for installing the fixture.

Ambient temperature from -30°C to +40°C. Storage temperature up to 85°C.

Optics

Available photometric distributions:

- Narrow Asymmetric – medium (B)
- Asymmetric – short (C),
- Asymmetric – medium (E)
- Narrow Asymmetric – short (N)
- Asymmetric Forward – very short (D)
- Narrow Asymmetric w/ backlight – short (P)
- Narrow Asymmetric – medium (R)
- Narrow Asymmetric – medium (S)
- Asymmetric - Short (T)
- Forward Asymmetric – medium (F)
- Narrow Asymmetric – medium (B5)
- Asymmetric – short (C5)
- Asymmetric – medium (E5)
- Forward Asymmetric – medium (F5)

Rated colour rendering index*: >70 at 4000K

Rated correlated colour temperatures*: 3000K, 4000K

S/P rating for: 3000K: 1.24, 4000K: 1.47

ULOR: 0

Rated initial chromaticity co-ordinate values:

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



GE imagination at work

Electrical

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

Class I: standard

Class II: on request

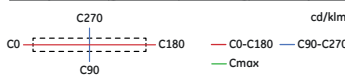
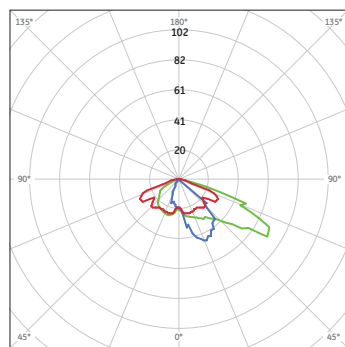
Surge protection: 6kV/3kA

Rated input power: 8W to 72W

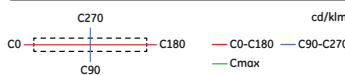
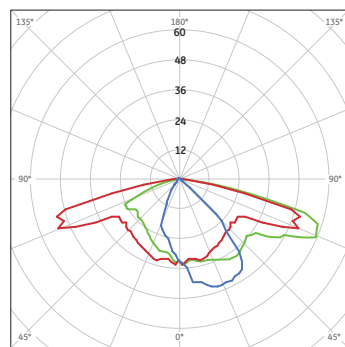
Standards and regulations

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.

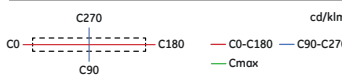
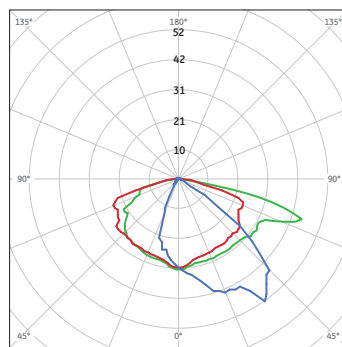
Typical photometrical features



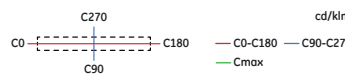
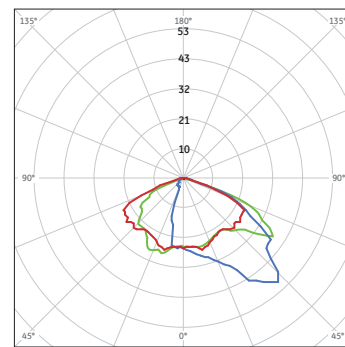
Narrow Asymmetric - short (N)



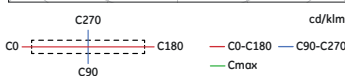
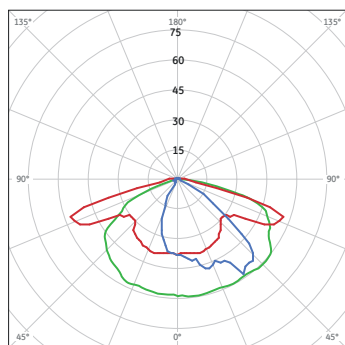
Narrow Asymmetric - medium (B)



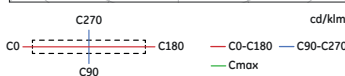
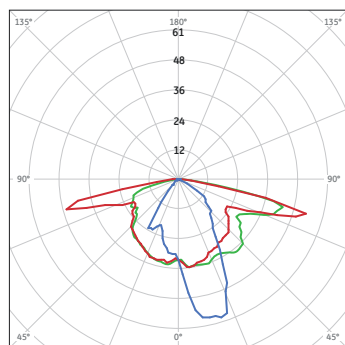
Asymmetric - short (C)



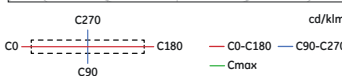
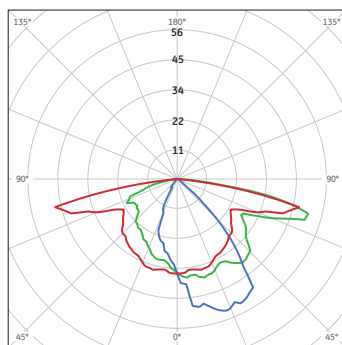
Asymmetric Forward - very short (D)



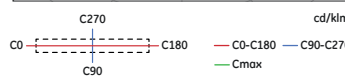
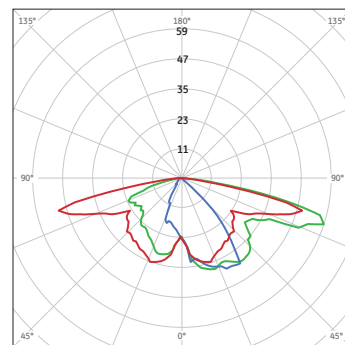
Asymmetric - medium (E)



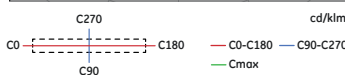
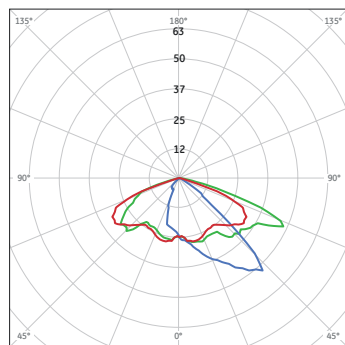
Narrow Asymmetric with backlight - short (P)



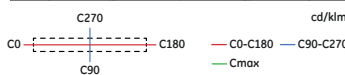
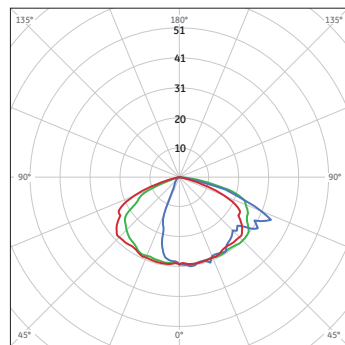
Narrow Asymmetric - medium (R)



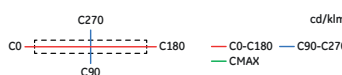
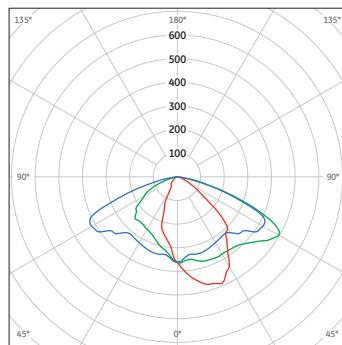
Narrow Asymmetric - medium (S)



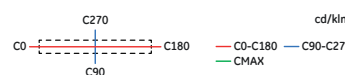
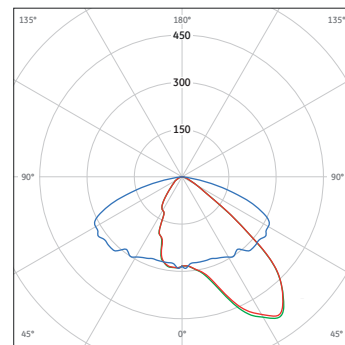
Asymmetric - short (T)



Forward Asymmetric - medium (F)



Narrow Asymmetric - medium (B5)



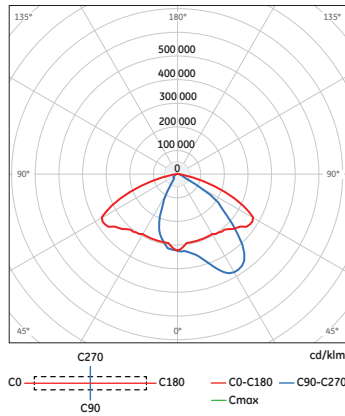
Asymmetric - short (C5)

Other options available

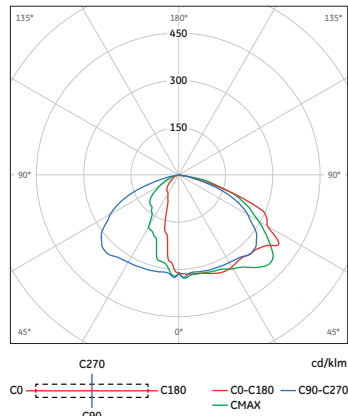
Precabing, extra surge protection up to 10kV/5kA, daylight sensor.

Extended ambient temperature: -40°C - +40°C is available.

F5



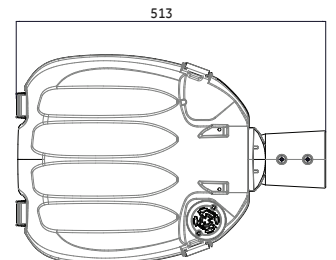
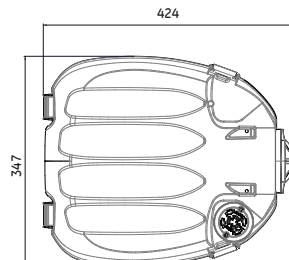
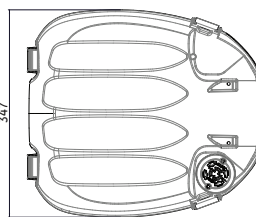
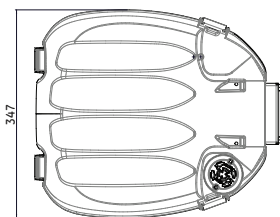
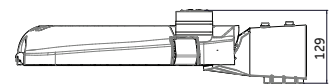
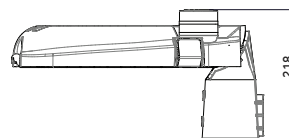
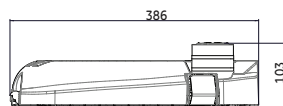
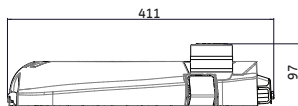
Asymmetric – medium (E5)



Forward Asymmetric – medium (F5)

Additional photometric files available on request or on the website.

Dimensions [mm]



Order logic

Name	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabing	Mounting	Color
SLBT	2UK	F – flat lens	B C D E N P R S T U F B5 C5 E5 F5	9-72	30 – 3000K 40 – 4000K	N – no control D – DALI A – 1-10V Y – Clock Dimming C – ClockDIM NL – CLO DL – Dali + CLO YL – DynaDIM + CLO CL – ClockDIM + CLO	LS – Lightgrid EMEA Socket	C1	N – without precabing P – pre cabing	S60 - Side mounted, 42-60mm & Post top, 48-60mm P76 - Post top, 76mm U35 - Universal mounted, 35-42 U50 - Universal mounted, 42-55 U60 - Universal mounted, 42-60 U76 - Universal mounted, 55-76	R7035 XXXXXX**

**R7035 is a standard color, for other color please use 5 characters

Example: SLBT/2UK/F/B/56/40/D/LS/C1/N/U60/R7035

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