



OS-IN-2019-040

**Correction of Radiation characteristics for Power
TOPLED with Lens 60°**

Customer information package

OS QM CQM A | 15.01.2020

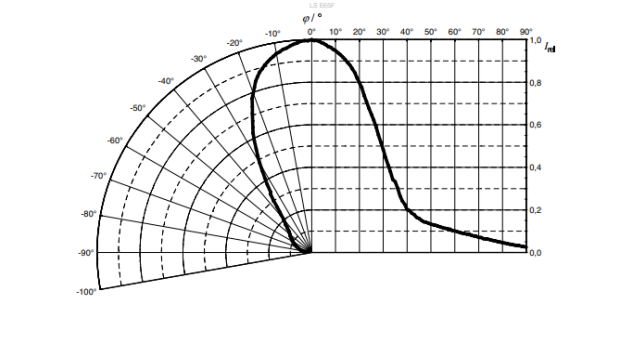
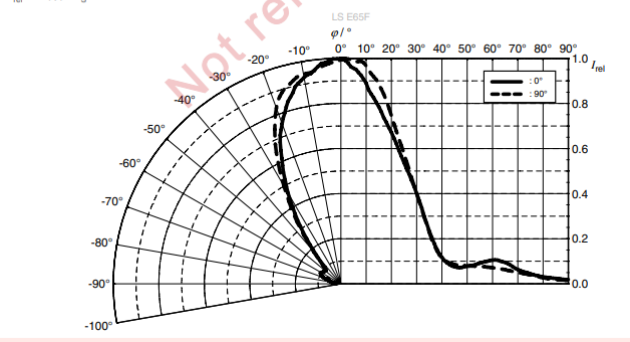
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Description of change: LS E65F, LA E65F, LY E65F

| Product type | Data sheet version before update | Data sheet version after update |
|--------------|----------------------------------|---------------------------------|
| LS E65F | 1.6 | ≥ 1.7 |
| LA E65F | 1.5 | ≥ 1.6 |
| LY E65F | 1.5 | ≥ 1.6 |

Description of change: LS E65F, LA E65F, LY E65F

| Item | Brightness Groups (Example of LS E65F) | | | |
|----------------|--|--|---|--|
| Current status | Brightness Groups | | | |
| | Group | Luminous Intensity ¹⁾ $I_F = 50 \text{ mA}$ min. I_v | Luminous Intensity. ¹⁾ $I_F = 50 \text{ mA}$ max. I_v | Luminous Flux ⁶⁾ $I_F = 50 \text{ mA}$ typ. Φ_v |
| | CA | 2800 mcd | 3550 mcd | 4020 mlm |
| | CB | 3550 mcd | 4500 mcd | 5090 mlm |
| | DA | 4500 mcd | 5600 mcd | 6390 mlm |
| DB | 5600 mcd | 7100 mcd | 8040 mlm | |
| New status | Brightness Groups | | | |
| | Group | Luminous Intensity ¹⁾ $I_F = 50 \text{ mA}$ min. I_v | Luminous Intensity. ¹⁾ $I_F = 50 \text{ mA}$ max. I_v | Luminous Flux ⁶⁾ $I_F = 50 \text{ mA}$ typ. Φ_v |
| | CA | 2800 mcd | 3550 mcd | 3520 mlm |
| | CB | 3550 mcd | 4500 mcd | 4470 mlm |
| | DA | 4500 mcd | 5600 mcd | 5610 mlm |
| DB | 5600 mcd | 7100 mcd | 7050 mlm | |

| Item | Radiation Characteristics | |
|----------------|--|--|
| Current status | <p data-bbox="602 482 821 499">Radiation Characteristics ⁶⁾</p> <p data-bbox="602 506 724 524">$I_{rel} = f(\phi); T_s = 25^\circ\text{C}$</p>  <p>The graph shows relative intensity I_{rel} on the y-axis (0.0 to 1.0) versus angle ϕ in degrees on the x-axis (-100° to 90°). A single solid curve represents the radiation pattern for a 0° lens angle, peaking at 1.0 at 0° and tapering off to 0.0 at approximately ±90°.</p> | |
| New status | <p data-bbox="602 906 821 923">Radiation Characteristics ⁶⁾</p> <p data-bbox="602 931 724 948">$I_{rel} = f(\phi); T_s = 25^\circ\text{C}$</p>  <p>The graph shows relative intensity I_{rel} on the y-axis (0.0 to 1.0) versus angle ϕ in degrees on the x-axis (-100° to 90°). Two curves are shown: a solid line for 0° and a dashed line for 90°. The 90° curve is significantly narrower and taller than the 0° curve, peaking at 1.0 at 0° and dropping to 0.0 at approximately ±45°.</p> | |

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Thank you.

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Correction of Radiation characteristics for Power TOPLED with Lens 60°

| | |
|--------------------------|---|
| Objective | Correction of datasheet for Lx E65F |
| Products affected | LS E65F, LA E65F, LY E65F |
| Background | New datasheet version because of enhanced statistical basis for the radiation characteristic resulting in updated typical lumen values. |
| Realization | Please refer to customer information package for detailed description of the changes |
| Time Schedule | Updated datasheet is available. |
| Assessment | No change in fit, form, function and reliability of the LED |

Please direct your inquiry to your local Sales office.

OSRAM Opto Semiconductors
GmbH

Head Office:

Leibnizstrasse 4
93055 Regensburg, Germany
Phone +49 941 850-5
Fax +49 941 850-1002
www.osram-os.com