

QUALITY
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OS-IN-2020-009

Performance improvement of CT DELSS1.12

Customer information package

OS QM CQM ICI | 01.04.2020

Light is OSRAM

OSRAM
Opto Semiconductors

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1. Reason for change

- Continuous chip improvement leads to better optical and electrical device behavior.

Assessment

- No change in fit, form, function of the affected product.
- Improved device will be assigned to new ordering code.

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2. Description of change: V_F

Old status:

Forward Voltage ⁴⁾	V_F	min.	2.90 V
$I_F = 20 \text{ mA}$		typ.	3.20 V
		max.	3.70 V

New status:

Forward Voltage ⁴⁾	V_F	min.	2.20 V
$I_F = 20 \text{ mA}$		typ.	2.60 V
		max.	3.10 V

2. Description of change: I_v

Old status:

Brightness Groups

Group	Luminous Intensity ¹⁾ $I_F = 20 \text{ mA}$ min. I_v	Luminous Intensity. ¹⁾ $I_F = 20 \text{ mA}$ max. I_v	Luminous Flux ⁷⁾ $I_F = 20 \text{ mA}$ typ. Φ_v
AA	1120 mcd	1400 mcd	3960 mlm
AB	1400 mcd	1800 mcd	5020 mlm
BA	1800 mcd	2240 mcd	6340 mlm

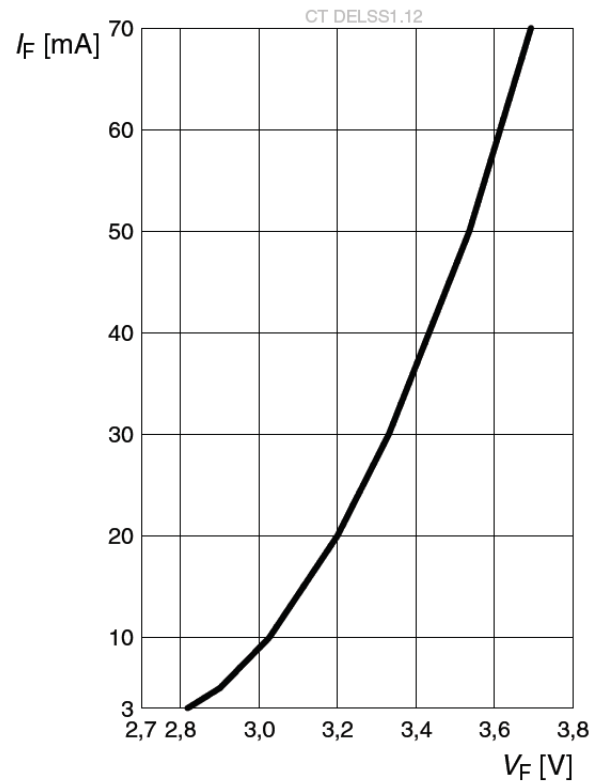
New status:

Brightness Groups

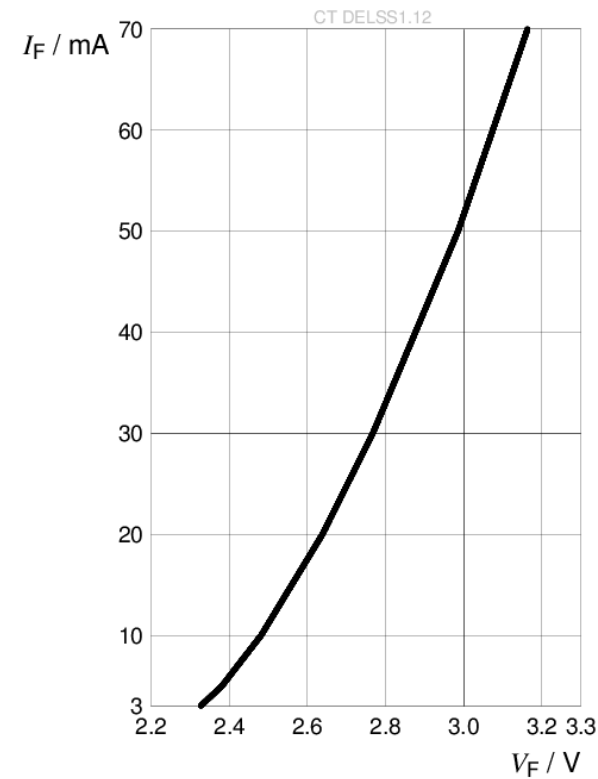
Group	Luminous Intensity ¹⁾ $I_F = 20 \text{ mA}$ min. I_v	Luminous Intensity. ¹⁾ $I_F = 20 \text{ mA}$ max. I_v	Luminous Flux ⁷⁾ $I_F = 20 \text{ mA}$ typ. Φ_v
AA	1120 mcd	1400 mcd	3960 mlm
AB	1400 mcd	1800 mcd	5020 mlm
BA	1800 mcd	2240 mcd	6340 mlm
BB	2240 mcd	2800 mcd	7910 mlm

2. Description of change: I_F/V_F characteristic

Old status:

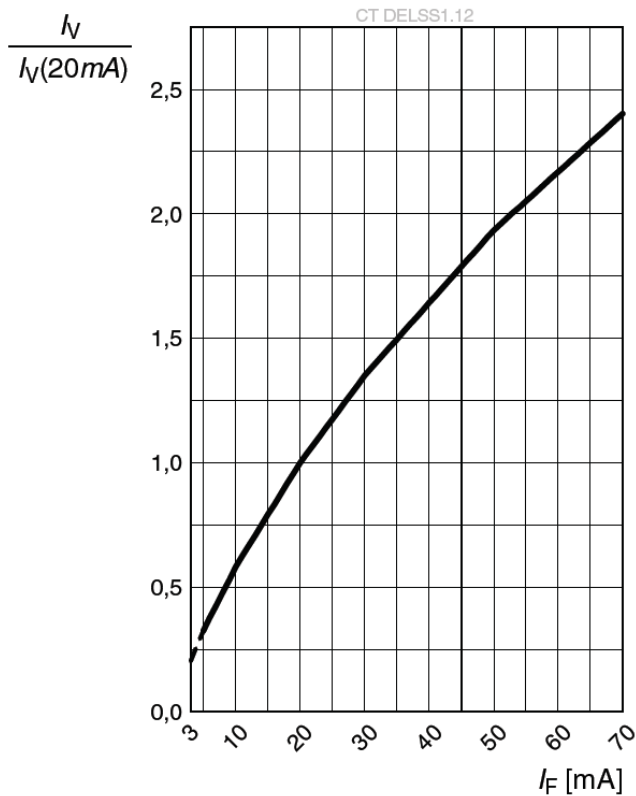


New status:

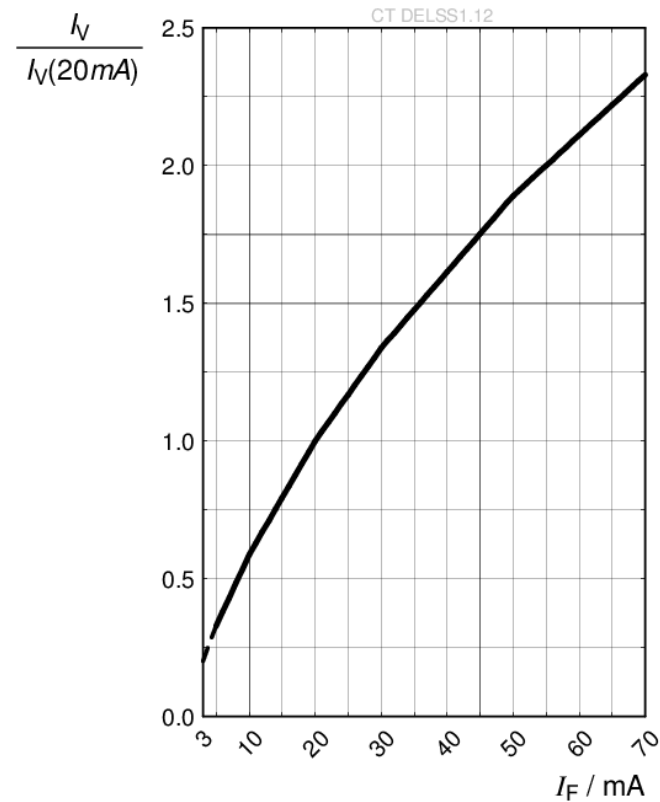


2. Description of change: rel. I_V/I_F characteristic

Old status:

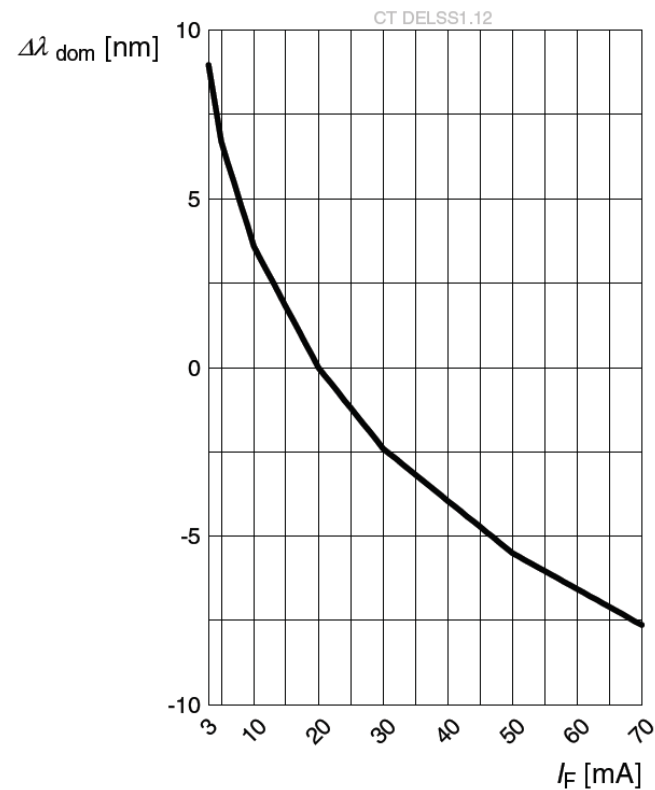


New status:

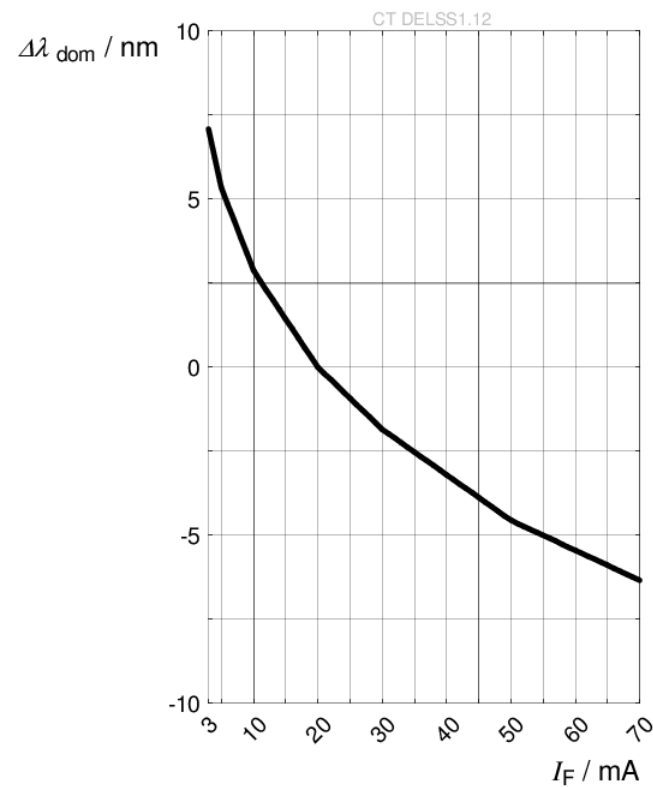


2. Description of change: $\Delta\lambda_{\text{dom}}/I_F$ characteristic

Old status:

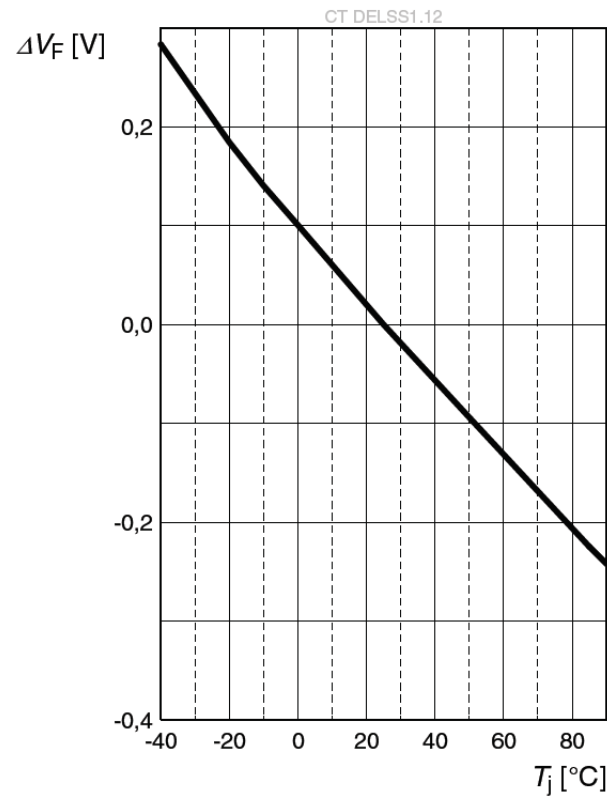


New status:

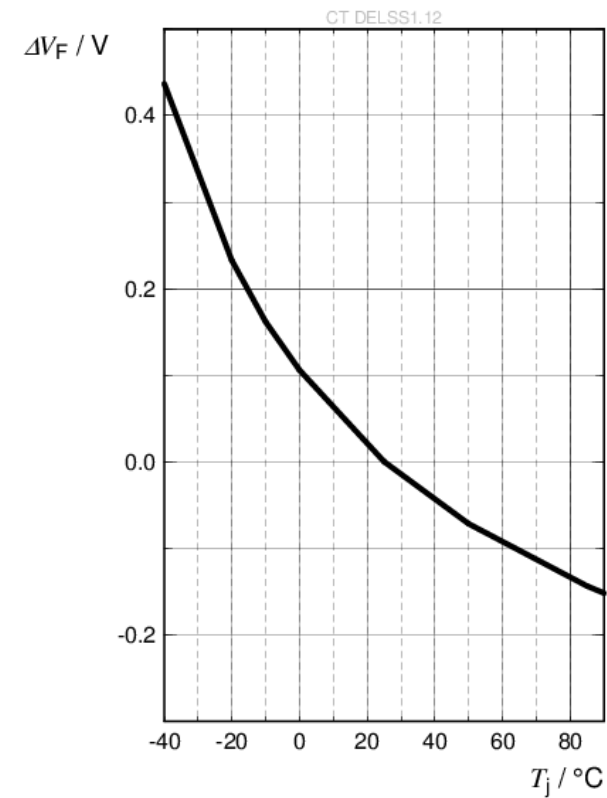


2. Description of change: $\Delta V_F / T_j$ characteristic

Old status:

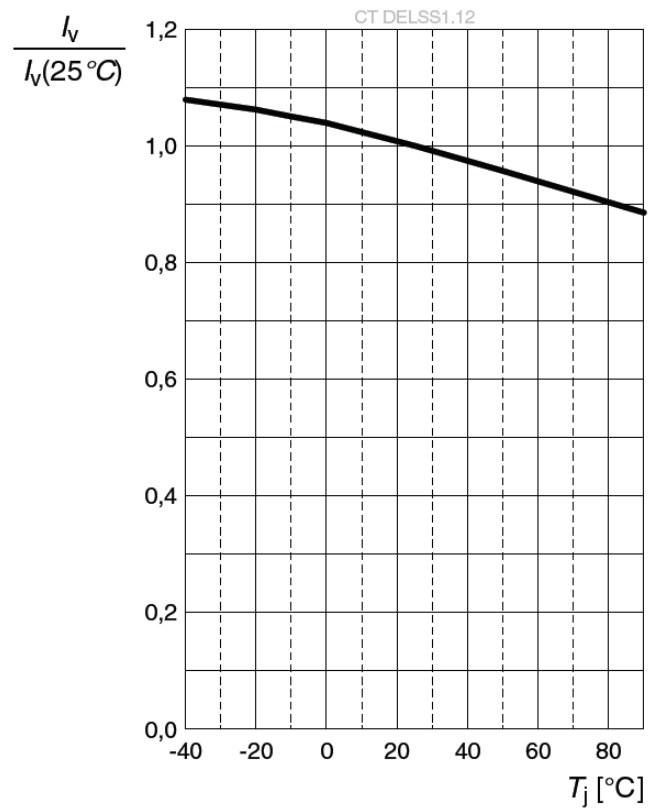


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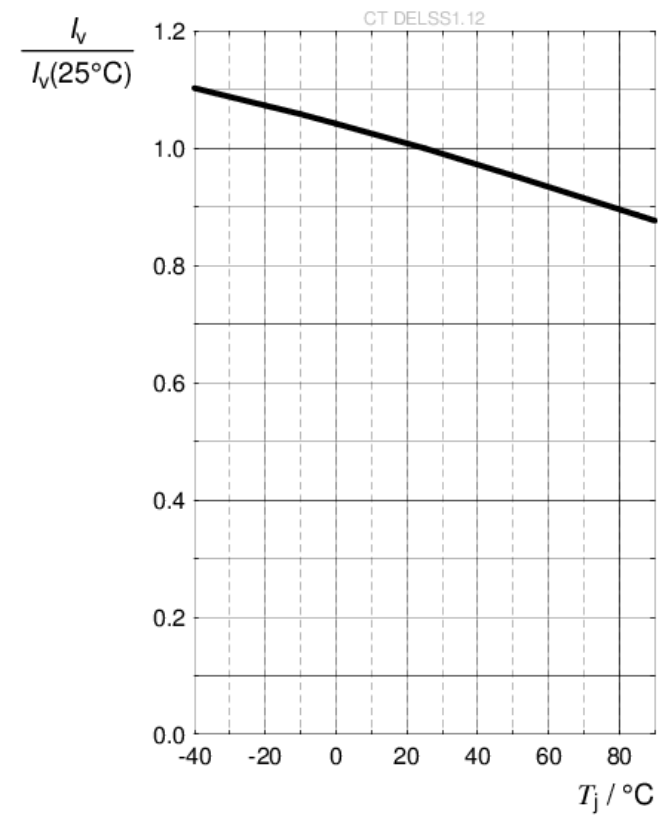


2. Description of change: rel. I_V/T_j characteristic

Old status:

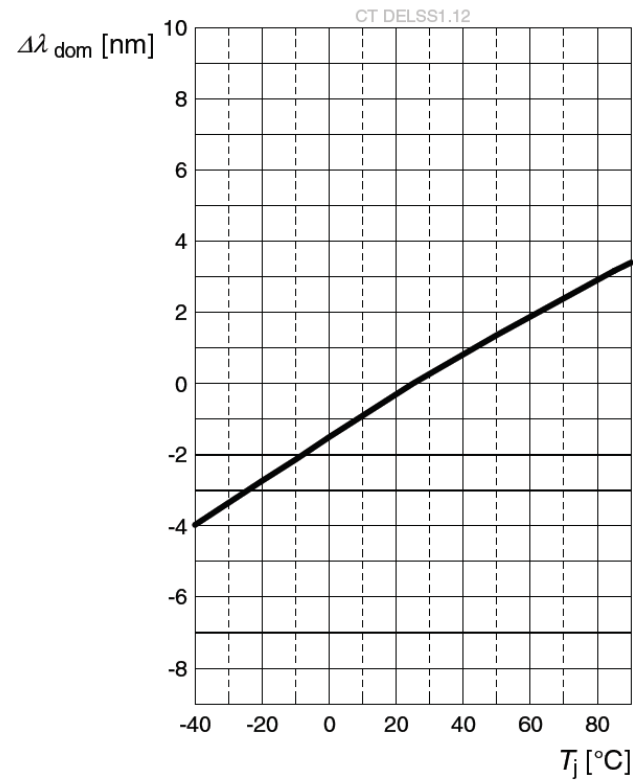


New status:

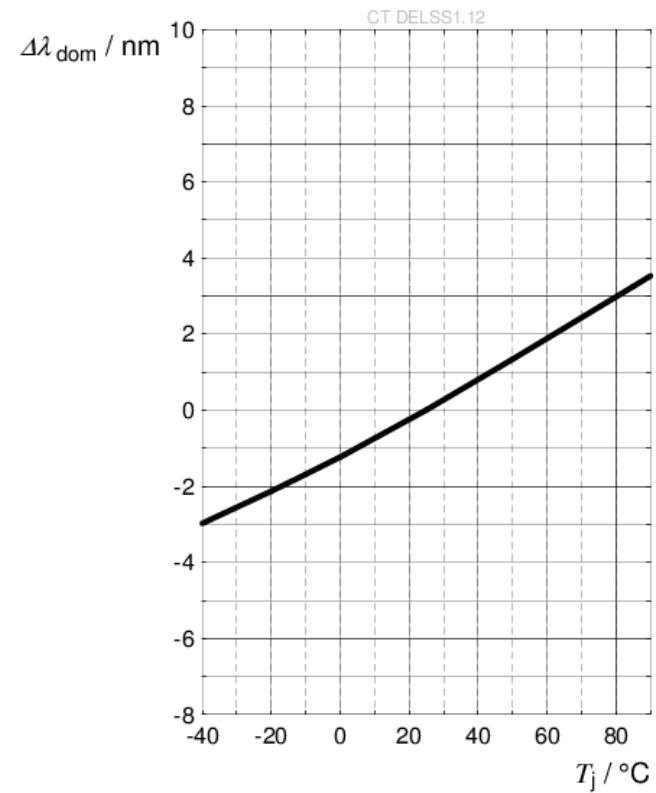


2. Description of change: $\Delta\lambda_{\text{dom}}/T_j$ characteristic

Old status:



New status:



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3. Affected Products

Brand	Product name
FIREFLY® E1608	CT DELSS1.12

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4. Time schedule

New Datasheet: 1st of April 2020

Implementation date: 1st of April 2020

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Thank you.

Products Affected by Information Notification

Number: OS-IN-2020-009

Name: Performance improvement of CT DELSS1.12

Release Date: 4/1/2020

Implementation Date: 4/1/2020

<i>Product</i>	<i>QNumber</i>	<i>QNumber Description</i>	<i>Part Number</i>
CT DELSS1.12	Q65112A1193	CT DELSS1.12-AABA-36-44G4-20-R18	CT DELSS1.12-AABA-36-44G4