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Infonote
AO-IN-2022-020-I
Introduction of New Replacement Red Chip for DISPLIX P2828 KRTB LFLM71.32

Customer information package

OS QM CQM ICI
2022-06-01

Agenda

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Reason for change

Item	Description
Replacement Red Chip	Introduction of new chip generation for red
	To secure continuous supply – lower risk of allocation
Bin specification	To improve homogeneity of product brightness and wavelength

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Description of change

Item	Current status	New status
Picture (exemplary)		
Chip size [µm x µm]	185 x 185	167 x 167
Bondpad diameter [µm]	76	75

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Changes in the datasheets - Ordering Information

	Item: Ordering Information
Current status	

Typ Type	Emissionsfarbe Color of Emission	Lichtstärke[1) Seite 27] Luminous Intensity[1) page 27] I_V (mcd)		
		red I_F = 15mA	true green I_F = 10mA	blue I_F = 10mA
KRTB LFLM71.32	red true green blue	377 …849	754 … 1692	149 …424

Bestellinformation
Ordering Information

Typ Type	Bestellnummer Ordering Code
KRTB LFLM71.32-TXUY-EV+VTAU-DP+RXTU-KY	Q65112A7164

New status

Ordering Information

Type	Brightness [1)]	Ordering Code
KRTBLFLM71.32-TZUV-GQ+VTVX-FM+RYSX-QW-B		Q65113A0738
• red	• I_v = 424 ... 710 mcd (I_F = 15 mA)	
• true green	• I_v = 754 ... 1250 mcd (I_F = 10 mA)	
• blue	• I_v = 159 ... 315 mcd (I_F = 10 mA)	

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Changes in the datasheets - Wavelength at peak emission

	Item: Ordering Information
Current status	

Bezeichnung Parameter		Symbol Symbol	Werte Values			Einheit Unit
			red I_F = 15mA	true green I_F = 10mA	blue I_F = 10mA	
Wellenlänge des emittierten Lichtes Wavelength at peak emission	(typ.)	λ_{peak}	630	519	466	nm

New status

Parameter	Symbol		Values • red	Values • true green	Values • blue
Peak Wavelength	λ_{peak}	typ.	630 nm	519 nm	468 nm

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Changes in the datasheets - Dominant wavelength

Item: Ordering Information

Current status

Bezeichnung Parameter		Symbol Symbol	Werte Values			Einheit Unit
			red I_F = 15mA	true green I_F = 10mA	blue I_F = 10mA	
Dominantwellenlänge[3] Seite 27 Dominant wavelength[3] *page 27*	(min.) (typ.) (max.)	λ_{dom}	616 621* 631	519 525* 529	463 470* 475	nm nm nm

New status

Parameter	Symbol		Values • red	Values • true green	Values • blue
Dominant Wavelength [3]	λ_{dom}	min.	618 nm	521 nm	468 nm
		typ.	621 nm	525 nm	472 nm
		max.	626 nm	527 nm	474 nm

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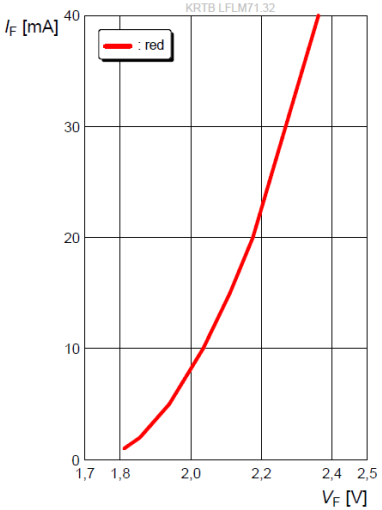
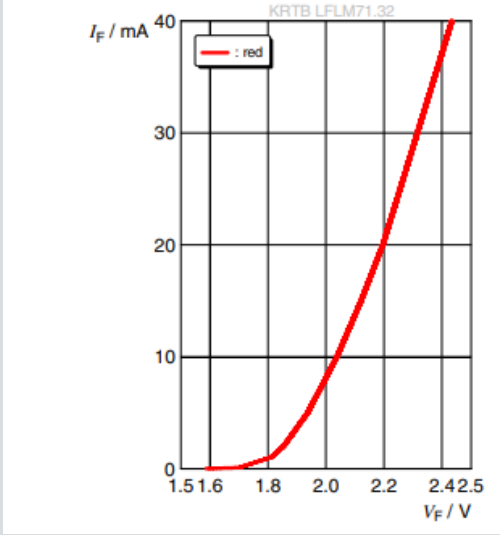
Changes in the datasheet

Item	Current status	New status
Forward Current	**Durchlassstrom**[5) Seite 27] **Forward Current**[5) *page 27*] $I_F = f(V_F)$; T_S = 25 °C; **red** 	**Forward current** [6)] $I_F = f(V_F)$; T_S = 25 °C 

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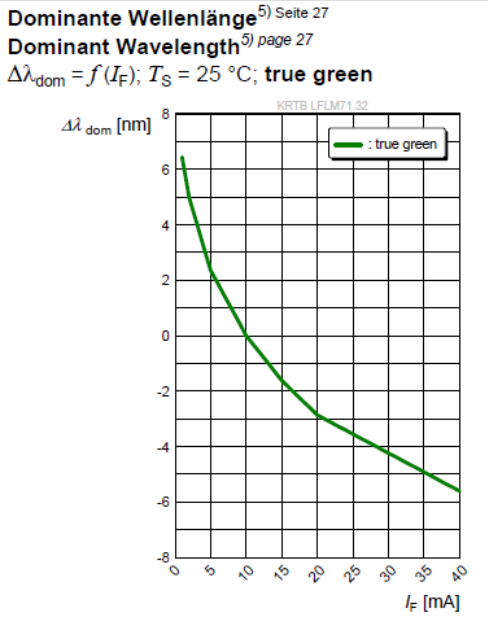
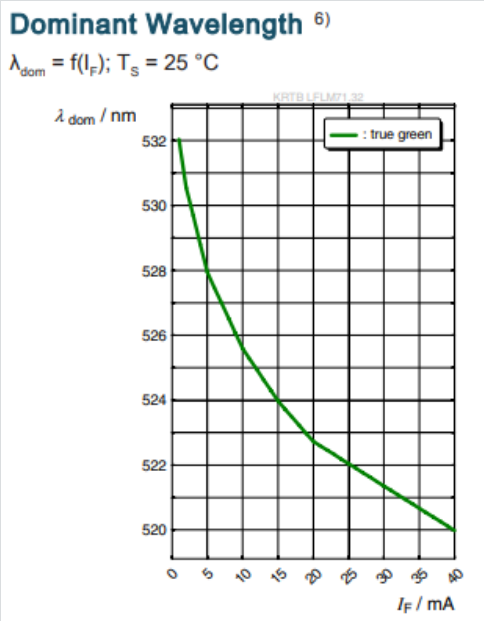
Changes in the datasheet

Item	Current status	New status
Dominant Wavelength		

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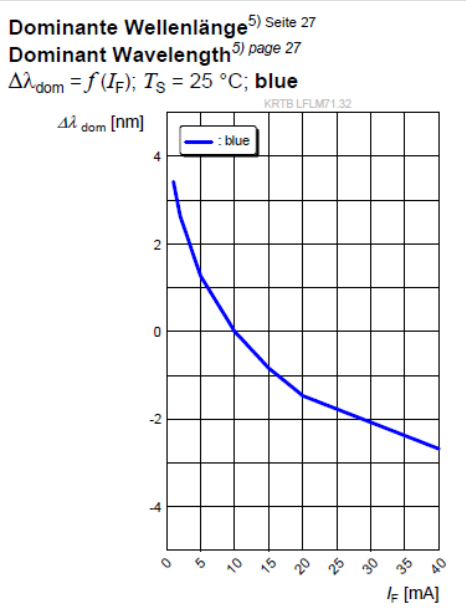
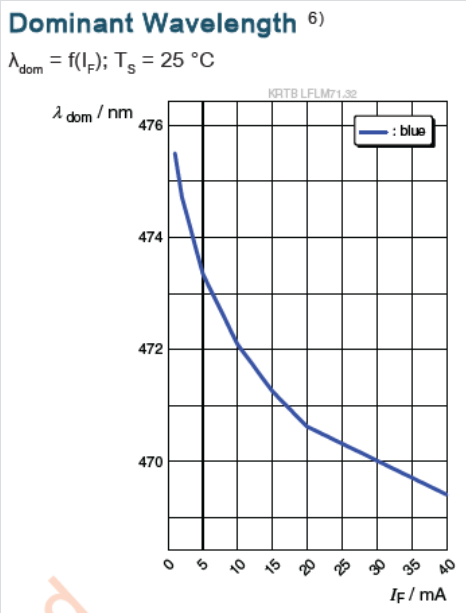
Changes in the datasheet

Item	Current status	New status
Dominant Wavelength		

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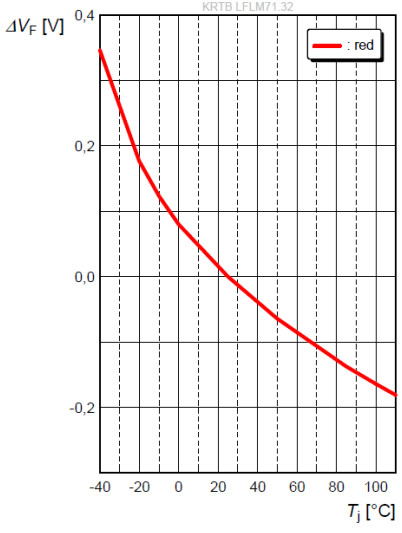
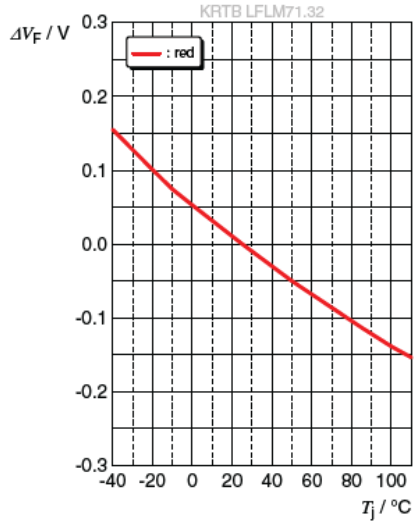
Changes in the datasheets

Item	Current status	New status
Relative Forward Voltage	**Relative Vorwärtsspannung**[5] Seite 27 **Relative Forward Voltage**[5] *page 27* $\Delta V_F = V_F - V_F(25\ °C) = f(T_j)$; I_F = 15mA; **red** 	**Forward Voltage** [6] $\Delta V_F = V_F - V_F(25\ °C) = f(T_j)$; I_F = 15 mA 

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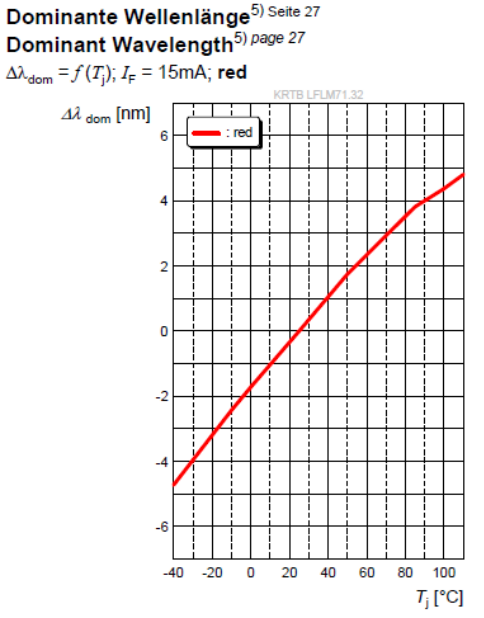
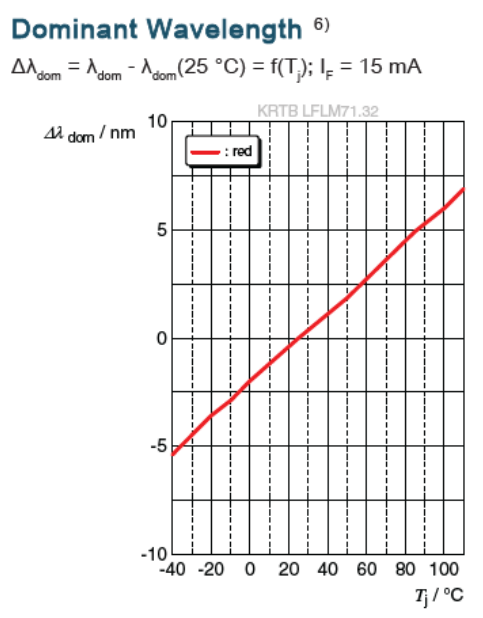
Changes in the datasheet

Item	Current status	New status
Dominant Wavelength		

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Changes in the datasheets: Updated Datasheet Version

Product type	Data sheet version before IN	Data sheet version after IN
KRTB LFLM71.32	1.0	1.3

Note: Latest version of data sheet will be accessible on the ams OSRAM homepage.

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List of affected products

DISPLIX P2828
KRTB LFLM71.32

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Time schedule

Time schedule	
Intended Start of Introduction	Date code: 2221 (YYWW)

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01.06.2022

Dear Customer,

please take note of this **Infonote**.

This customer notification is for information only and does not require customer approval.

Objective:	Introduction of New Replacement Red Chip for DISPLIX P2828 KRTB LFLM71.32
Affected products:	KRTB LFLM71.32
Reason for change:	• Introduction of new chip generation for red • To secure continuous supply – lower risk of allocation • To improve homogeneity of product brightness and wavelength
Description of change:	Current status  New status  For details refer to file 2_cip_AO-IN-2022-020-I
Time schedule:	Date code: 2221 (YYWW)
Assessment:	No change in fit, form, function and reliability of the product
Documentation:	2_cip_AO-IN-2022-020-I 3_cip_KRTB LFLM71.32_Rel

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