PRODUCT CHANGE NOTIFICATION
PCN No: PCN-1137
Issue Date: 8/5/2026

Parts Affected	R50RG2-4-0045	Old Rev.	F	New Rev.	G

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the table below.

	Specifications	**R50RG2-4-0045 Rev. F**	**R50RG2-4-0045 Rev. G**
1	Material	Green - GaN/SiC	InGaN/Sapphire
2	Power Dissipation (mW)	Red - 150mW Green - 220mW	Red - 120mW Green - 180mW
3	Forward Current	80mA	50mA
4	Peak Forward Current	Green - 150mA	Green - 160mA
5	Electrostatic Discharge (Class 1)	Red - 1000V Green - 1000V	Red - 2000V Green - 2000V
6	Forward Voltage (V)	Red - Typ: 2.4, Max: 2.6 Green - Min: 3.0, Typ: 3.4, Max: 3.8	Red - Typ: 2.1, Max: 2.4 Green - Min: 2.9, Typ: 3.2, Max: 3.5
7	Dominant Wavelength (nm)	Red - Min: 617 Green - Min: 515, Max: 525	Red - 620 Green - Min: 518, Max: 528
8	Luminous Intensity Min, Typ (mcd)	Green - Min: 6000, Typ: 10000	Green - Min: 15000, Typ: 25000
9	Directivity Radiation (Drawing)	-	Updated
10	Typical Electrical / Optical Characteristics Curves (Drawings)	-	Updated

Effective Date of Change: August 5, 2026

Reason for Change: New dies are being used due to obsolescence.

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045
Please contact Bivar Inc. at www.bivar.com/contact or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.