

Light is OSRAM



17.12.2018

Dear Customer,

please find attached our OSRAM OS PCN:

OS-PCN-2019-005-A Introduction of Backend production location Wuxi for Mini TOPLED

Important information for your attention:

Please review the **Customer approval form** at the end of the document and provide your feedback to your OSRAM OS sales partner before **22.01.2019**. *)

Your prompt reply will help OSRAM OS to assure a smooth and well executed transition. If OSRAM OS does not hear from your side by the due date, we will assume your (if you are a Distributor: and your customer's) full acceptance to this proposed change and its implementation.

OSRAM OS understands the time requirements your organization needs to approve this PCN. However, if you can provide OSRAM OS an estimated date your organization will approve this PCN, OSRAM OS can use this date to plan continued production to secure your order needs during the transition time you require to review and approve this PCN.

Your attention and response to this matter is highly appreciated.

Please direct your inquiries to your local Sales office.

*) OSRAM OS aligns with the widely-recognized JEDEC STANDARD "JESD46-C", which stipulates:

- "Customers should acknowledge receipt of the PCN within 30 days of delivery of the PCN."
- "Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."
- "After acknowledgement, lack of additional response within the 90 day period constitutes acceptance of the change. An acceptance or concern response should be submitted to the supplier in a timely fashion, (i.e., customer should not wait to the end of the 90 day review period before responding, if the response is known before that time.)"

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED

Subject of change:	Introduction of Backend production location Wuxi for Mini TOPLED	
Affected products	LCW MVSG.EC LD MVSG LW MVSG	
Reason for change:	To secure continuous supply. To increase production capacity.	
Description of change	<u>Current status</u> Production location Penang/Malaysia	<u>New status</u> Production location Wuxi/China or Production location Penang/Malaysia
	Note: Previous backend production location for above mentioned products might be phased out after customer approval of new location - without further information of customer For details please refer to Customer information package 2_cip_OS-PCN-2019-005-A	
Product identification:	Laser marking on device (Laser marking 180° rotated for Wuxi Production location)	
Time schedule for PCN material (after implementation of change):	Final qualification report	15.01.2019
	Samples available	15.01.2019 for details see file "2_cip_OS-PCN-2019-005-A"
	Intended Start of delivery	01.02.2019 ^{*)} *) or earlier if released by customer and upon mutual agreement
Time schedule for Pre-PCN material (prior to implementation of change):	Last time order date (LTO)	15.04.2019 ^{**)} **) expected approval date needs to be available at this time. Lead time and LTO quantity shall be mutually agreed between OSRAM OS and customer.
	Last time delivery date (LTD)	31.10.2019 ^{***)} ***) planned last date for delivery of products of current status

Assessment: No change in form, fit, function or reliability.
No change in product data sheets.
ZVEI evaluation level: C

Documentation: 2_cip_OS-PCN-2019-005-A
3_cip_OS-PCN-2019-005-A_int_qual

Note:

Pre-PCN material: Products of current status, means before implementation of the changes as described in the PCN.

PCN material: Products with implementation of the changes as described in the PCN.

Customer approval form

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED

Please list product(s) affected in your application(s):

Please check the appropriate box below:

- | | |
|--|---|
| <input type="radio"/> Approval:
We agree with the proposed change and accept start of the shipment upon availability of PCN material | <input type="radio"/> Not relevant:
Change is not relevant for products in use. |
|--|---|
- Change cannot be accepted:**
- We have objections:**
 - We request following Information:**
 - We request following Samples:**
 - Expected approval date:**
 - Volume requirements for Pre-PCN material:**

Sender:

Company:

Address / Location:

Signature:

Date:

Please return this approval form to your Sales partner.

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

QUALITY
FIRST

OS-PCN-2019-005-A
Introduction of Backend production
location Wuxi for Mini TOPLED
Customer information package

OS QM CQM | 17.12.2018

Light is OSRAM

OSRAM
Opto Semiconductors

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED



	Page
1. Reason for change	03
2. Description of change	04
3. List of affected products	05
4. PCN samples	06
5. Time schedule	07

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED



Reason for change

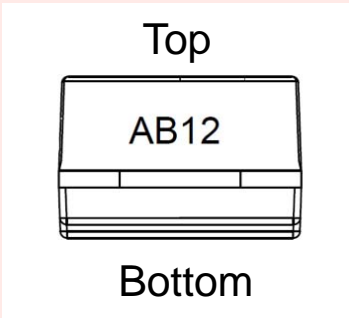
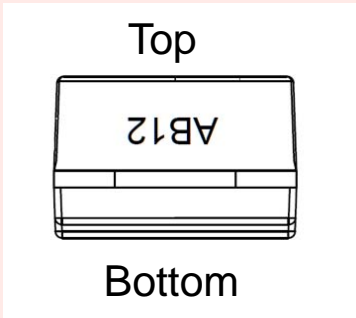
- To secure continuous supply.
- To increase production capacity.

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED



Description of change

Current status	New status
Production location Penang/Malaysia	Production location Wuxi/China or Production location Penang/Malaysia
No laser marking rotation for Penang Production location 	180° laser marking rotation for Wuxi Production location 

Note: Previous backend production location for above mentioned products might be phased out after customer approval of new location - without further information of customer

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED



List of affected products

Mini Topled
LCW MVSG.EC
LD MVSG
LW MVSG

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED



PCN Samples

Mini Topled
LCW MVSG.EC
LD MVSG
LW MVSG



available



on request

OS-PCN-2019-005-A

Introduction of Backend production location Wuxi for Mini TOPLED



Time schedule

for PCN material
(after implementation
of change):

Final qualification report 15.01.2019

Samples available 15.01.2019
for details see file

Intended Start of delivery 01.02.2019 *)

*) or earlier if released by customer and upon mutual agreement

for Pre-PCN material
(prior to implementation
of change):

Last time order date (LTO) 15.04.2019 **)

***) expected approval date needs to be available at this time. Lead time and LTO quantity shall be mutually agreed between OSRAM OS and customer.

Last time delivery date (LTD) 31.10.2019 ***)

***) planned last date for delivery of products of current status

Note:

Pre-PCN material: Products of current status, means before implementation of the changes as described in the PCN.

PCN material: Products with implementation of the changes as described in the PCN.

QUALITY
FIRST

Thank you.

Products Affected by Product Change Notification

Number: OS-PCN-2019-005-A

Name: Introduction of Backend Prodction @ Wuxi for Mini TOPLED

Release Date: 12/17/2018

Response Due Date: 1/22/2019

Implementation Date: 2/1/2019

<i>Product</i>	<i>QNumber</i>	<i>QNumber Description</i>	<i>Part Number</i>
LD MVSG	Q65111A2177	LD MVSG-1J3K-56-0-10-R18-Z-DA	LD MVSG-1J3K-56-Z-DA
	Q65111A2195	LD MVSG-JGLH-46-1-20-R18-Z	LD MVSG-JGLH-46-1
	Q65111A3705	LD MVSG-JILH-6-1-20-R18-Z-XX	LD MVSG-JILH-6-1-XX
	Q65111A4568	LD MVSG-JILH-5-1-20-R18-Z-XX	LD MVSG-JILH-5-1-Z-XX
	Q65111A8620	LD MVSG-KGKH-56-1-20-R18-LM	LD MVSG-KGKH-56-1-LM
	Q65112A1044	LD MVSG-KHLH-46-Z486-20-R18-Z-DL	LD MVSG-KHLH-46-Z486-Z-DL
LW MVSG	Q65111A2771	LW MVSG-BXCZ-NKOL-4486-20-R18-Z-DA	LW MVSG-BXCZ-NKOL-4486
	Q65111A3699	LW MVSG-AYBY-OKPL-Z486-20-R18-Z-XX	LW MVSG-AYBY-OKPL-Z486-Z-XX
	Q65111A3855	LW MVSG-AZBY-JKKL-Z486-20-R18-Z-M	LW MVSG-AZBY-JKKL-Z486-M
	Q65111A4087	LW MVSG-AZBZ-JKPL-Z486-20-R18-Z	LW MVSG-AZBZ-JKPL-Z486
	Q65111A4091	LW MVSG-AZBZ-MKNL-1-20-R18-Z-XX	LW MVSG-AZBZ-MKNL-1-Z-XX
	Q65111A5234	LW MVSG-AZBZ-LMK-1-20-R18-Z-HE	LW MVSG-AZBZ-LMK-1-Z-HE
	Q65111A5950	LW MVSG-AZBZ-LKNL-1-20-R18-Z	LW MVSG-AZBZ-LKNL-1-Z
	Q65111A5951	LW MVSG-AZBY-LMK-1-20-R18-Z-XX	LW MVSG-AZBY-LMK-1-Z-XX
	Q65111A6097	LW MVSG-BXBZ-KKLK-1-20-R18-Z	LW MVSG-BXBZ-KKLK-1
	Q65111A6141	LW MVSG-BXBZ-KL-1-20-R18-Z-B	LW MVSG-BXBZ-KL-1-B
	Q65111A6308	LW MVSG-BXBZ-KKLL-1-20-R18-Z-XX	LW MVSG-BXBZ-KKLL-1-Z-XX
	Q65111A6723	LW MVSG-BXBZ-IJL-1-20-R18-Z-TW	LW MVSG-BXBZ-IJL-1-TW
	Q65111A6976	LW MVSG-BXBZ-JKL-1-20-R18-Z-XX	LW MVSG-BXBZ-JKL-1-XX
	Q65111A7058	LW MVSG-BXBZ-ML-1-20-R18-Z-PRE	LW MVSG-BXBZ-ML-1-PRE
	Q65111A7078	LW MVSG-AZBZ-IJL-1-20-R18-Z-KS	LW MVSG-AZBZ-IJL-1-KS
	Q65111A7079	LW MVSG-AZBY-IJL-1-20-R18-Z-KS	LW MVSG-AZBY-IJL-1-KS
	Q65111A7138	LW MVSG-AZBY-JL-1-20-R18-Z-KS	LW MVSG-AZBY-JL-1-KS
	Q65111A7765	LW MVSG-AYBZ-FK0PM0-Z486-20-R18-Z	LW MVSG-AYBZ-FK0PM0-Z486
	Q65111A7929	LW MVSG-BXBZ-JL-1-20-R18-Z-XX	LW MVSG-BXBZ-JL-1-XX
	Q65111A8260	LW MVSG-AZBY-ML-Z486-20-R18-Z-KS	LW MVSG-AZBY-ML-Z486-KS
	Q65111A8306	LW MVSG-BXBZ-ML-1-20-R18-Z-TRW	LW MVSG-BXBZ-ML-1-Z-TRW
	Q65111A8516	LW MVSG-BXBZ-MK-1-20-R18-Z-PRE	LW MVSG-BXBZ-MK-1-PRE
	Q65111A8948	LW MVSG-BXBZ-JL0-1-20-R18-Z-XX	LW MVSG-BXBZ-JL0-1-Z-XX
	Q65111A9020	LW MVSG-AZBZ-KLL0-1-20-R18-Z-KS	LW MVSG-AZBZ-KLL0-1-Z-KS
	Q65111A9076	LW MVSG-AZBZ-LKML-Z486-20-R18-Z	LW MVSG-AZBZ-LKML-Z486
	Q65111A9213	LW MVSG-BXBY-KLK-1-20-R18-Z-XX	LW MVSG-BXBY-KLK-1-Z-XX
	Q65111A9415	LW MVSG-BXBZ-IL0-1-20-R18-Z-TW	LW MVSG-BXBZ-IL0-1-Z-TW
	Q65111A9843	LW MVSG-AYBZ-HL0IM0-Z486-20-R18-Z-X	LW MVSG-AYBZ-HL0IM0-Z486-XX
	Q65112A0165	LW MVSG-AYBY-KLK0-Z486-20-R18-Z-XX	LW MVSG-AYBY-KLK0-Z486-XX
	Q65112A0355	LW MVSG-AZBY-JL0-Z486-20-R18-Z-KS	LW MVSG-AZBY-JL0-Z486-KS
	Q65112A0726	LW MVSG-AYBY-LKML-1-20-R18-Z-YA	LW MVSG-AYBY-LKML-YA
	Q65112A0730	LW MVSG-BXBZ-KL0-Z486-20-R18-Z-XX	LW MVSG-BXBZ-KL0-Z486-XX
	Q65112A0871	LW MVSG-AYBX-IM0-1-20-R18-Z-SV	LW MVSG-AYBX-IM0-1-SV
	Q65112A0872	LW MVSG-AZBY-IJM0-Z486-20-R18-Z-VIS	LW MVSG-AZBY-IJM0-Z486-VIS

<i>Product</i>	<i>QNumber</i>	<i>QNumber Description</i>	<i>Part Number</i>
LW MVSG	Q65112A0997	LW MVSG-AZBY-LKML-Z486-20-R18-Z-DL	LW MVSG-AZBY-LKML-Z486-Z-DL
	Q65112A1324	LW MVSG-AZBY-JM0-Z486-20-R18-Z-APA	LW MVSG-AZBY-JM0-Z486-APA
	Q65112A1326	LW MVSG-AYBZ-FK0PN0-Z486-20-R18-Z	LW MVSG-AYBZ-FK0PN0-Z486-20
	Q65112A1590	LW MVSG-AYCZ-FK3PM3-Z486-20-R18-Z-	LW MVSG-AYCZ-FK3PM3-Z486-XX
	Q65112A1591	LW MVSG-AYCZ-FK2NM2-Z486-20-R18-Z-	LW MVSG-AYCZ-FK2NM2-Z486-XX
	Q65112A1592	LW MVSG-AYCZ-FK1NN1-Z486-20-R18-Z-	LW MVSG-AYCZ-FK1NN1-Z486-Z-XX
	Q65112A2021	LW MVSG-BXBZ-KL0-Z486-20-R18-Z-KS	LW MVSG-BXBZ-KL0-Z486-KS
	Q65112A2057	LW MVSG-AZBZ-NL0-Z486-20-R18-Z-KS	LW MVSG-AZBZ-NL0-Z486-KS
	Q65112A2105	LW MVSG-AZBY-KL0-Z486-20-R18-Z-TW	LW MVSG-AZBY-KL0-Z486-TW
	Q65112A2351	LW MVSG-BXBY-JK0JL0-Z486-20-R18-Z-M	LW MVSG-BXBY-JK0JL0-Z486-MM
	Q65112A2397	LW MVSG-AZBY-KLL3-Z486-20-R18-Z-KS	LW MVSG-AZBY-KLL3-Z486-KS