

Preliminary PCN

AO-PCN-2024-002-P

Introduction of optimized IC for
Chip LED SFH 5701 and SFH
5701 A01

15.01.2024

Dear Customer,

Please review this **Preliminary PCN** and provide your feedback in the **Customer approval form** (at the end of this PCN document) to your ams OSRAM sales partner.

This Preliminary PCN is intended

- to inform our customers about upcoming important product / process changes – upfront of the corresponding final PCN.
- to provide to our customer the background of the intended change and the qualification plan.
- **to get approval** on specific customer requirements at an early stage **before evaluation plan execution**.

The corresponding **Final PCN** with number “AO-PCN-2024-002-” containing the results from reliability testing is scheduled to be published on **Q4/2024**.

Your prompt reply will help ams OSRAM to assure a smooth and well executed transition. If ams OSRAM does not hear from your side by the due date, we will assume your full acceptance to this proposed plan and will start with the execution of the plan.

ams OSRAM understands the time requirements your organization needs to approve this Preliminary PCN. However, if you can provide ams OSRAM an estimated date your organization will approve this Preliminary PCN, ams OSRAM can use this date for proper project planning.

Your attention and response to this matter is highly appreciated.

Please direct your inquiries to your local Sales office.

Subject of change:	Introduction of optimized IC for Chip LED SFH 5701 and SFH 5701 A01	
Affected products:	Chip LED: SFH 5701; SFH 5701 A01	
Reason for change:	Our foundry partner has improved the process for manufacturing their ICs as part of their Continuous Improvement Program for more reliable backend process.	
Description of change:	<u>Current status</u> Current IC Fabrication with outdated backend processes.	<u>New status</u> Optimization of metal for improved electromigration performance and oxide deposition for improved gap fill. Additionally, the new IC Fabrication backend process gives a better defectivity performance.
	Silicon IC wafer sawing and die sorting Subcon A (Penang)	Silicon IC wafer sawing and die sorting Subcon B (Taiwan)
	For details refer to file 2_CIP_AO-PCN-2024-002-P_ext	
Product identification:	Date code	
Intended final PCN publication:	Q4 / 2024	
Time schedule for PCN material: (after implementation of change):	Final qualification report:	01.09.2024
	Samples available:	01.10.2024
	Intended Start of delivery:	01.10.2024 ^{*)} ^{*)} 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):	01.03.2024 ^{**)} ^{**)} Lead time and LTO quantity shall be mutually agreed between ams OSRAM and customer.
	Last time delivery date (LTD):	01.03.2025 ^{***)} ^{***)} planned last date for delivery of products of current status
Assessment:	No changes for datasheet specification expected	
Documentation:	Customer Information Package 2_CIP_AO-PCN-2024-002-P_ext	

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 Preliminary PCN AO-PCN-2024-002-P

Introduction of optimized IC for Chip LED SFH 5701 and SFH 5701 A01

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

Please check the appropriate box below:

<input type="radio"/> Approval: We agree with the proposed plan	<input type="radio"/> Not relevant: Change is not relevant for products in use.
<input type="radio"/> Plan cannot be accepted:	
<input type="radio"/> We have objections:	
<input type="radio"/> We request following Information:	
<input type="radio"/> We request following Samples (according to PPAP requirement):	
<input type="radio"/> Expected approval date (for Preliminary PCN):	
<input type="radio"/> Remarks:	

Sender:

Company:

Address / Location:

Signature:

Date:

Please return this approval form to your Sales partner.