

**EVERLIGHT Electronics Co., Ltd.**

Attn: No.6-8, Zhonghua Road, Shulin Dist., New  
Taipei City, 23860, Taiwan

☒ PRODUCT/PROCESS CHANGE NOTIFICATION

☐ PRODUCT TERMINATION NOTIFICATION

PCN tracking number: **PCN20260409-02 - CN26040002**

DATE: 02/04/2026

Contact:

Title: PM

E-mail:

Phone:

Fax:

Product influenced: ☒ Major change ☐ Minor change

Product Identification: (e.g., affected supplier part number(s), affected product lines including specific package types, product family):

[See Excel List](#)

Customer part number(s) (optional, if not required per agreed to customer criteria):

n/a

Method, if applicable, of identifying changed product:

n/a

Reason for change(s):

☐ Products Package Outline Dimension

☐ Electrical/Optical Specification

☒ Material: Material EOL

☐ Equipment

☐ Data Sheet

☐ Packing

☐ Other:

Detailed description:

The PCB supplier's will EOL, and we unite PCB board layout was simultaneously integrated into a universal version.

The reliability remains the same. The brightness, viewing angle, and appearance are all different

Anticipated (positive and negative) impact on form, fit, function, quality, or reliability:

The reliability remains the same. The brightness, viewing angle, and appearance are all different

Supplier Qualification plan schedule and/or results, where applicable:

n/a

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City, 23860, Taiwan

PHONE:

|                                                                                   |      |                                                                                                                                     |
|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   | FAX: |                                                                                                                                     |
| <b>Forecasted key milestones</b>                                                  |      | <b>Date</b>                                                                                                                         |
| <b>Date, if required, when qualification samples are available</b>                |      | -                                                                                                                                   |
| <b>Date, if required, when final qualification data are available</b>             |      | -                                                                                                                                   |
| <b>Proposed First Ship Date for change</b>                                        |      | -                                                                                                                                   |
| <b>Last buy date</b>                                                              |      | 08.05.2026                                                                                                                          |
| <b>Execution date</b>                                                             |      | 08.10.2026                                                                                                                          |
| <b>Customer acknowledgement of receipt within 30 days of delivery of the PCN:</b> |      |                                                                                                                                     |
| <b>Customer:</b><br><br><b>Name/Date:</b><br><br><b>Title:</b>                    |      | <input type="checkbox"/> <b>Approval for shipments before effective date</b><br><br><b>E-mail/Address:</b><br><br><b>Phone/Fax:</b> |
| <b>Customer Comments:</b>                                                         |      |                                                                                                                                     |
| <b>EVERLIGHT acknowledgement of receipt:</b><br><b>RECORD BY:</b>                 |      |                                                                                                                                     |
| <b>DATE:</b>                                                                      |      |                                                                                                                                     |

**The document of individual PCN information will be retained for a minimum of 5 years.**

RELIABILITY TEST REPORT

PRODUCT : G333-2/B1C3-APSA(ASTK)

CUSTOMER : 姜康明

TEST NO : 准19-02-ELCP-020-SZ

TEST DATE : 2019/2/20-2019/4/5

MEASURING ENVIRONMENT : 21℃ , 58%RH

EVERLIGHT ELECTRONICS(CHINA) CO., LTD.  
 NO.2135,ZHONG SHAN NORTH ROADSONGLING  
 TOWN,WUJIANG CITY,JIANG SU PRC,CHINA.  
 TEL:

| Pre-conditioning test |                                         | (Wave Solder) 260℃/10sec/1time                          |                       |                   |                           |                           |               |               |          |
|-----------------------|-----------------------------------------|---------------------------------------------------------|-----------------------|-------------------|---------------------------|---------------------------|---------------|---------------|----------|
| NO.                   | TEST ITEM                               | CONDITION                                               | DEVICE<br>HOURS/CYCLE | DEVICES<br>TESTED | I <sub>V</sub><br>IF=20mA | V <sub>F</sub><br>IF=20mA | Wd<br>IF=20mA | IR<br>VR = 5V | FAILURES |
| 1                     | Resistance to Solder Heat               | (Wave Solder) 260℃<br>/10sec/2times                     | 76                    | 2times            | -0.54%                    | 0.06%                     | -0.04         | 0.001         | 0        |
| 2                     | Solderability                           | (Wave solder)245℃<br>/10sec/1times                      | 76                    | 1times            | NA                        | NA                        | NA            | NA            | 0        |
| 3                     | Thermal Shock                           | -10℃~100℃/<br>Dwell time 5min/<br>transfer time < 15sec | 76                    | 300cycle          | -10.49%                   | 0.18%                     | -0.08         | 0.001         | 0        |
| 4                     | Temperature Cycle                       | -40℃~100℃/<br>Dwell time 15min/<br>transfer time 5min   | 76                    | 300cycle          | -8.93%                    | 0.40%                     | 0.09          | 0.001         | 0        |
| 5                     | HighTemperature/Humidi<br>ty            | 85℃/85% RH/1000hr                                       | 76                    | 168hrs            | 16.87%                    | 0.18%                     | 0.10          | 0.003         | 0        |
|                       |                                         |                                                         |                       | 500hrs            | 15.39%                    | 0.40%                     | 0.08          | 0.114         | 0        |
|                       |                                         |                                                         |                       | 1000hrs           | 14.53%                    | 0.53%                     | 0.13          | 0.437         | 0        |
| 6                     | Low Temperature Storage                 | -40℃/1000hr                                             | 76                    | 168hrs            | -14.36%                   | 0.21%                     | 0.05          | 0.001         | 0        |
|                       |                                         |                                                         |                       | 500hrs            | -14.92%                   | 0.42%                     | 0.03          | 0.001         | 0        |
|                       |                                         |                                                         |                       | 1000hrs           | -14.46%                   | 0.41%                     | 0.07          | 0.001         | 0        |
| 7                     | High Temperature Storage                | 100℃/1000hr                                             | 76                    | 168hrs            | 3.18%                     | 0.16%                     | 0.10          | 0.001         | 0        |
|                       |                                         |                                                         |                       | 500hrs            | 3.16%                     | 0.28%                     | 0.10          | 0.001         | 0        |
|                       |                                         |                                                         |                       | 1000hrs           | 3.16%                     | 0.74%                     | 0.13          | 0.001         | 0        |
| 8                     | Room Temperature Life                   | 25℃/1000hr<br>IF=30mA                                   | 76                    | 168hrs            | 26.87%                    | 0.03%                     | 0.19          | 0.001         | 0        |
|                       |                                         |                                                         |                       | 500hrs            | 26.60%                    | 0.28%                     | 0.14          | 0.001         | 0        |
|                       |                                         |                                                         |                       | 1000hrs           | 25.76%                    | 0.31%                     | 0.21          | 0.001         | 0        |
| 9                     | ORT實驗條件<br>Thermal Shock                | -10℃~100℃/<br>Dwell time 5min/<br>transfer time < 15sec | 22                    | 50cycle           | -4.05%                    | 0.32%                     | -0.09         | 0.001         | 0        |
| 10                    | ORT實驗條件<br>HighTemperature/Humidi<br>ty | (Wave Solder)260℃<br>/10sec/3time<br>85℃/85% RH         | 22                    | 15hrs             | 7.18%                     | 0.17%                     | -0.11         | 0.001         | 0        |

\*I<sub>V</sub>: BRIGHTNESS ATTENUATE DIFFERENCE(1000hrs) 1項IV<±10% 3-7項IV<±30% 8項IV<±50%\*V<sub>F</sub>: FORWARD VOLTAGE DIFFERENCE <±10%

\*Wd:HUES DIFFERENCE&lt;2

\*IR:IR VALUE&lt;10uA

ORT實驗判定: IV:&lt;15% VF:&lt;10% WD:&lt;2nm IR:&lt;10uA

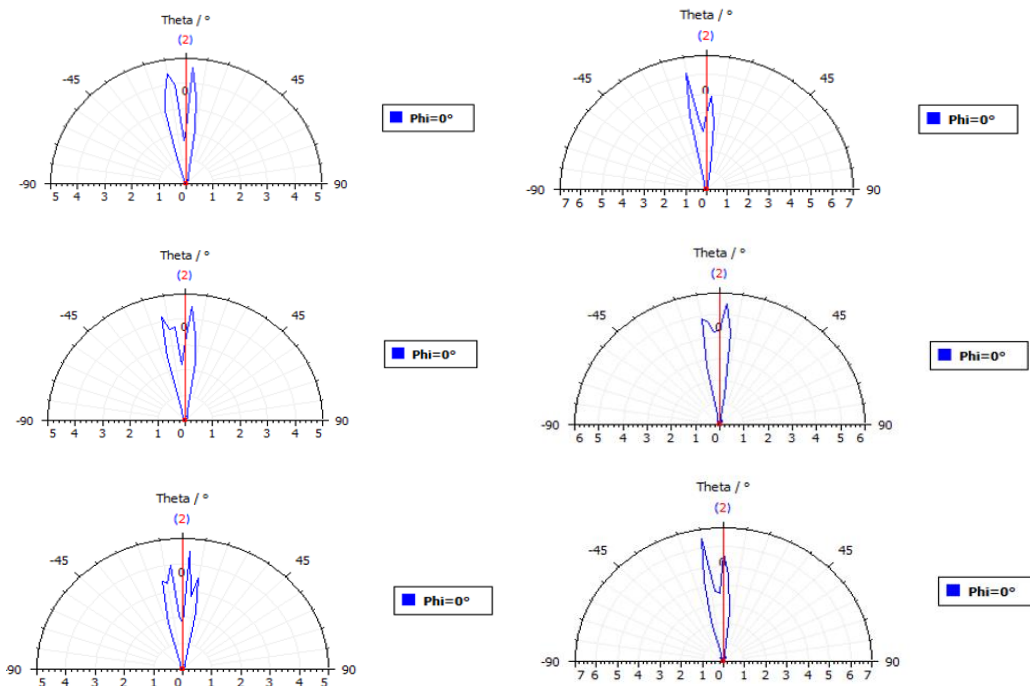
JUDGEMENT : ok

CHECKER : 魏衛娥 TESTER : 楊曉麗

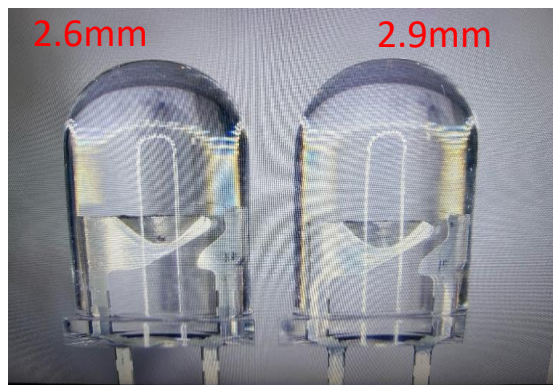
## 333SDRC/S530-A3-L/T2(DQD)

| 模粒  | EL330-3-2.6/30(豐昌)連體模粒 |       |         |         | EL330-2-2.9/30(豐昌)連體模粒 |       |         |         |
|-----|------------------------|-------|---------|---------|------------------------|-------|---------|---------|
| 卡高  | 2.6                    |       |         |         | 2.9                    |       |         |         |
| 晶片  | 乾照10mil                |       |         |         | 乾照10mil                |       |         |         |
| 條件  | IF=2mA                 |       |         |         | IF=2mA                 |       |         |         |
| 規格  | 180~700                | 25    | AVG:655 | 1.5~2.4 | 180~700                | 25    | AVG:655 | 1.5~2.4 |
| NO  | IV                     | 角度    | WD      | VF      | IV                     | 角度    | WD      | VF      |
| 1   | 381                    | 24.83 | 645.03  | 1.790   | 488                    | 19.34 | 643.47  | 1.790   |
| 2   | 279                    | 24.60 | 644.24  | 1.780   | 716                    | 19.44 | 642.98  | 1.790   |
| 3   | 270                    | 26.08 | 643.94  | 1.780   | 606                    | 18.48 | 643.45  | 1.790   |
| 4   | 242                    |       | 644.54  | 1.780   | 526                    |       | 642.99  | 1.790   |
| 5   | 190                    |       | 643.70  | 1.790   | 489                    |       | 643.37  | 1.780   |
| MIN | 190                    | 24.60 | 643.70  | 1.78    | 488                    | 18.48 | 642.98  | 1.78    |
| AVE | 272                    | 25.17 | 644.29  | 1.78    | 565                    | 19.09 | 643.25  | 1.79    |
| MAX | 381                    | 26.08 | 645.03  | 1.790   | 716                    | 19.44 | 643.47  | 1.790   |

2.6卡=>2.9卡確認亮度&角度，角度相差6°，亮度平均相差52%

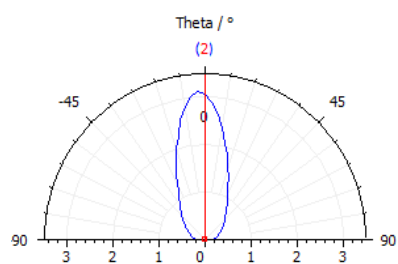
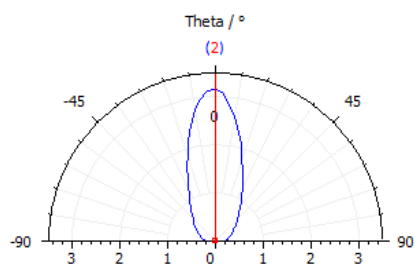
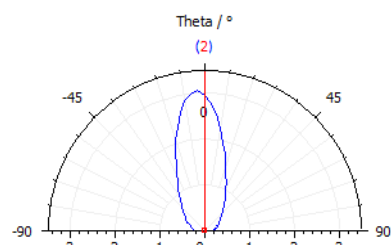
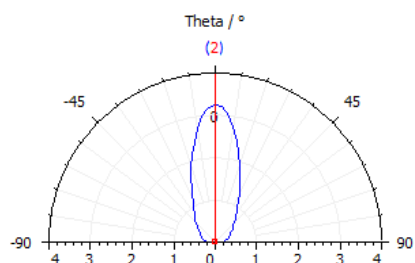
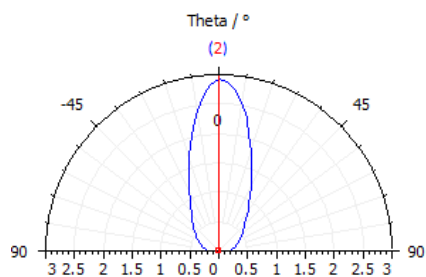
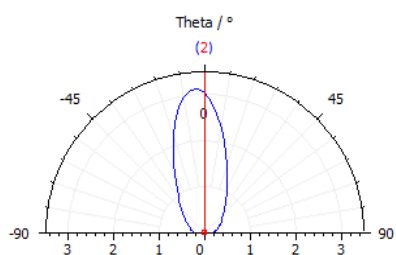


成品外觀



| 1354-15/TXW5-4NTA/TR1(A)(MD)(YE) |                         |       |      |      |         |                       |       |      |      |         |
|----------------------------------|-------------------------|-------|------|------|---------|-----------------------|-------|------|------|---------|
| 模粒                               | EL1350-3.0 30連體模粒(理想嘉程) |       |      |      |         | EL1350-2.9/30(豐昌)連體模粒 |       |      |      |         |
| 卡高                               | 3.0                     |       |      |      |         | 2.9                   |       |      |      |         |
| 晶片                               |                         |       |      |      |         |                       |       |      |      |         |
| 條件                               | IF=20mA                 |       |      |      |         | IF=20mA               |       |      |      |         |
| 規格                               | 2250~9000               | 50    |      |      | 2.8~4.8 | 2250~9000             | 50    |      |      | 2.8~4.8 |
| NO                               | IV                      | 角度    | X    | Y    | VF      | IV                    | 角度    | X    | Y    | VF      |
| 1                                | 3614                    | 43.81 | 0.30 | 0.30 | 3.11    | 3881                  | 43.22 | 0.30 | 0.29 | 3.12    |
| 2                                | 3885                    | 42.81 | 0.30 | 0.29 | 3.11    | 3854                  | 42.25 | 0.30 | 0.29 | 3.13    |
| 3                                | 3866                    | 41.84 | 0.30 | 0.30 | 3.11    | 3925                  | 43.10 | 0.30 | 0.29 | 3.12    |
| 4                                | 3695                    |       | 0.30 | 0.29 | 3.11    | 3925                  |       | 0.30 | 0.30 | 3.12    |
| 5                                | 3756                    |       | 0.30 | 0.29 | 3.11    | 4039                  |       | 0.30 | 0.29 | 3.13    |
| MIN                              | 3614                    | 41.84 | 0.30 | 0.29 | 3.11    | 3854                  | 42.25 | 0.30 | 0.29 | 3.12    |
| AVE                              | 3763                    | 42.82 | 0.30 | 0.29 | 3.11    | 3925                  | 42.86 | 0.30 | 0.29 | 3.12    |
| MAX                              | 3885                    | 43.81 | 0.30 | 0.30 | 3.11    | 4039                  | 43.22 | 0.30 | 0.30 | 3.13    |

3.0卡=>2.9卡 角度&亮度無明顯差異



成品外觀

3.0mm

2.9mm

