

January 29, 2026

To Our Valued Customers:

RE: Dialight Product Change Notification

Updated PCN 137167 Rev.02 serves as a revision to the previously issued Product Change Notification (PCN) regarding a change in the LED die used in Dialight's 591, 592, and 593 PRISM products.

On the initial PCN, Dialight communicated an immediate transition from the existing LED die to alternate LED die options due to supply chain challenges, such as extended lead times of 40 weeks on the original component. Two alternate RGB LEDs were selected to accelerate shipments to our customers, avoid supply chain disruption and maintain availability of the 591 / 592 / 593 PRISM products.

We acknowledge the customer feedback received regarding the immediate nature of the change and the absence of a Last Time Buy (LTB) option. Based on this feedback, Dialight has reassessed the situation and is issuing this revised PCN to better support customer planning needs and allow additional time to qualify the replacement LED component. Please note, lead time on the obsoleted part numbers will be 40 weeks. For this reason, Dialight strongly suggests to approve one of the alternate options on the PCN.

Revisions to the PCN include:

- A Last Time Buy option for the 591 / 592 / 593 product using the original RGB LED die
- An updated effective date six (6) months from the date of this revised notification

Additional details regarding the Last Time Buy ordering, including deadlines and quantities, will be communicated separately through Dialight's Customer Service and distribution channels.

Dialight remains committed to clear communication and minimizing disruption to our customers. Please let us know if you have any questions or require further information.

Sincerely,



Customer Product/Process Change Notification

PCN # **137167 REV.02**

Issued Date: January 29, 2026

Issued By: Cheryll Santiago

Change affects whole product family?

YES

Part Numbers Affected:

See Tab for Affected Part Numbers List

Description of Change:

Changing to a new PLCC-4 RGB SMD LED die/chip and adding alternate LED option for better stability in the manufacturing of Dialight 591, 592, 593 PRISM series and improving delivery times.
New Color Codes: "42" and "37"

Reason for Change:

Discontinuing use of "35" color code for RGB LED die/chip due to supply chain challenges such as excessively long lead time for the material.

Properties of Old vs. Changed Product:

No Change to the Form, Fit, Function of product. 591 / 592 / 593 Prism housing and lens remain the same materials.
Change affects the LED component assembled inside the housing.
See Prism LED Intensity Comparison sheet and Mechanical Specs.

Disposition of Old Product:

Stock of old material (color code "35") will be used for backlog orders until stock is depleted.

Last Time Buy Date **07/29/2026**

Last Time Ship Date **12/31/2026**

Supporting Qualification Data:

Updated data sheets for 591, 592, and 593 Prism series available.

Affected Part Numbers

PCN # 137167 REV.02

Obsoleted Part Numbers affected by the change.

Part Number without dash	Part Number with dash	Description
5913501832F	591-3501-832F	3MM ROUND PRISM R,G,B 7" REEL
5913501833F	591-3501-833F	3MM ROUND PRISM R,G,B 13" REEL
5913501851F	591-3501-851F	3MM SQUARE PRISM R,G,B 7" REEL
5913501852F	591-3501-852F	3MM SQUARE PRISM R,G,B 13" REEL
5922135313NF	592-2135-313NF	BI-LEVEL PRISM RED / RGB 13" REEL
5923520313NF	592-3520-313NF	BI-LEVEL PRISM RGB / RED 13" REEL
5923528313F	592-3528-313F	BI-LEVEL PRISM RGB / WHITE 13" REEL
5923530313F	592-3530-313F	BI-LEVEL PRISM RGB / RED/GREEN 13" REEL
5923531313F	592-3531-313F	BI-LEVEL PRISM RGB / YELLOW/GREEN 13" REEL
5923531832F	592-3531-832F	BI-LEVEL PRISM RGB / YELLOW/GREEN 13" REEL
5923535313F	592-3535-313F	BI-LEVEL PRISM RGB / RGB 13" REEL
593353535313F	593-353535-313F	TRI-LEVEL PRISM RGB ALL 13" REEL
593353535313NF	593-353535-313NF	TRI-LEVEL PRISM RGB ALL 13" REEL
5977711307F	597-7711-307F	SMD LED PLCC-4 RGB 7" REEL

Replacement Part Numbers

Recommended Alternate	
Option 1	Alternate Option 2
591-4203-007NF	591-3703-007F
591-4203-013NF	591-3703-013F
591-4203-107NF	591-3703-107F
591-4203-113NF	591-3703-113F
592-2142-313NF	592-2137-313NF
592-4220-313NF	592-3720-313NF
592-4228-413F	592-3728-413F
592-4230-313NF	592-3730-313NF
592-4231-313NF	592-3731-313NF
592-4231-313NF	592-3731-313NF
592-4242-413F	592-3737-313NF
593-424242-413F	593-373737-413F
593-424242-413F	593-373737-413F
599-0B11-337F	597-7714-007F

PCN Product Comparison Form

PCN # 137167 REV.02

LED specifications comparison of Discrete PLCC-4 RGB SMD LED.

(Prism Housing and Lens Not Included).

For Luminous Intensity data on 591, 592, 593 products, see Prism Assembly LED

OBSOLETE P/N

LED used in Prism Color Code "35"

PCN Product Comparison Form

PCN # 137167 REV.02

OBSOLETE Part Numbers LED Intensity			Replacement Part Numbers LED Intensity Comparison					
OBSOLETE P/N	LED Color and Intensity Typical (mcd)	Test Current	Alternate P/N Option 1	LED Color and Intensity Typical (mcd)	Test Current	Alternate P/N Option 2	LED Color and Intensity Typical (mcd)	Test Current
591-3501-832F	Red 48 / Green 125 / Blue 20	20mA	591-4203-007NF	Red 85 / Green 750 / Blue 100	20mA	591-3703-007F	Red 200 / Green 850 / Blue 125	20mA
591-3501-833F	Red 48 / Green 125 / Blue 20	20mA	591-4203-013NF	Red 85 / Green 750 / Blue 100	20mA	591-3703-013F	Red 200 / Green 850 / Blue 125	20mA
591-3501-851F	Red 60 / Green 150 / Blue 30	20mA	591-4203-107NF	Red 120 / Green 1000 / Blue 150	20mA	591-3703-107F	Red 350 / Green 1200 / Blue 180	20mA
591-3501-852F	Red 60 / Green 150 / Blue 30	20mA	591-4203-113NF	Red 120 / Green 1000 / Blue 150	20mA	591-3703-113F	Red 350 / Green 1200 / Blue 180	20mA
592-2135-313NF	Position 1: Red 45	20mA	592-2142-313NF	Position 1: Red 45 (No Change)	20mA	592-2137-313NF	Position 1: Red 45 (No Change)	20mA
	Position 2: Red 45 / Green 140 / Blue 30	20mA		Position 2: Red 40 / Green 260 / Blue 40	20mA		Position 2: Red 95 / Green 350 / Blue 60	20mA
592-3520-313NF	Position 1: Red 45 / Green 140 / Blue 30	20mA	592-4220-313NF	Position 1: Red 40 / Green 260 / Blue 40	20mA	592-3720-313NF	Position 1: Red 95 / Green 350 / Blue 60	20mA
	Position 2: Red - 40	20mA		Position 2: Red - 40 (No Change)	20mA		Position 2: Red - 40 (No Change)	20mA
592-3528-313F	Position 1: Red 45 / Green 140 / Blue 30	20mA	592-4228-413F	Position 1: Red 40 / Green 260 / Blue 40	20mA	592-3728-413F	Position 1: Red 95 / Green 350 / Blue 60	20mA
	Position 2: White - 100	20mA		Position 2: White - 100 (No Change)	20mA		Position 2: White - 100 (No Change)	20mA
592-3530-313F	Position 1: Red 45 / Green 140 / Blue 30	20mA	592-4230-313NF	Position 1: Red 40 / Green 260 / Blue 40	20mA	592-3730-313NF	Position 1: Red 95 / Green 350 / Blue 60	20mA
	Position 2: Red 20 / Green 20	10mA		Position 2: Red 20 / Green 20 (No Change)	10mA		Position 2: Red 20 / Green 20 (No Change)	10mA
592-3531-313F	Position 1: Red 45 / Green 140 / Blue 30	20mA	592-4231-313NF	Position 1: Red 40 / Green 260 / Blue 40	20mA	592-3731-313NF	Position 1: Red 95 / Green 350 / Blue 60	20mA
	Position 2: Yellow 25 / Green 20	10mA		Position 2: Yellow 25 / Green 20 (No Change)	10mA		Position 2: Yellow 25 / Green 20 (No Change)	10mA
592-3531-832F	Position 1: Red 45 / Green 140 / Blue 30	20mA	592-4231-313NF	Position 1: Red 40 / Green 260 / Blue 40	20mA	592-3731-313NF	Position 1: Red 95 / Green 350 / Blue 60	20mA
	Position 2: Yellow 25 / Green 20	10mA		Position 2: Yellow 25 / Green 20 (No Change)	10mA		Position 2: Yellow 25 / Green 20 (No Change)	10mA
592-3535-313F	Position 1, 2: Red 45 / Green 140 / Blue 30	20mA	592-4242-413F	Position 1, 2: Red 40 / Green 260 / Blue 40	20mA	592-3737-313NF	Position 1, 2: Red 95 / Green 350 / Blue 60	20mA
593-353535-313F	Position 1, 2, 3: Red 45 / Green 140 / Blue 30	20mA	593-424242-413F	Position 1, 2, 3: Red 50 / Green 300 / Blue 50	20mA	593-373737-413F	Position 1, 2, 3: Red 150 / Green 400 / Blue 60	20mA
593-353535-313NF	Position 1, 2, 3: Red 45 / Green 140 / Blue 30	20mA	593-424242-413F	Position 1, 2, 3: Red 50 / Green 300 / Blue 50	20mA	593-373737-413F	Position 1, 2, 3: Red 150 / Green 400 / Blue 60	20mA

PHOTOS of 591 Priem Single Level RGB LED Comparison
LED LIGHT UP TEST at 10mA current

COLOR	DIALIGHT PART NUMBER		
	Obsoloted P/N 591-3501-832F	Option 1 591-4203-007NF	Option 2 591-3703-007F
Red			
Green			
Blue			

591-4203-007NF / 591-4203-013NF / 5

.105±0.10
 [2,67±0,25]

.240
 [6,1] Ref.

Cathode ID
 Housing

.007
 [0,18] Max
 Above Surface A

.004
 [0,1] Max
 Below Surface A

.120
 [3,05]

6 of LED

LED Lead Soldering Surface A

Technical drawing of the LED assembly showing dimensions and labels:

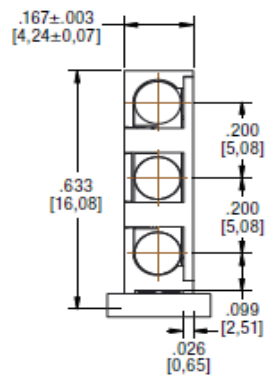
- Dimensions:**
 - $.082 \pm .010$
 - $.240$ Ref.
 - $.112 \pm .005$ Square Lens
 - $.007$ Max above Surface A
 - $.004$ Max Below Surface A
 - $\pm .005$ of LED
 - $.146$
 - $.130$
 - $.120$
- Labels:**
 - Cathode ID
 - Housing
 - Lens to be cleaned before assembly
 - LED Lea Solderin Surface

$.125-.142$
 $[3,18-3,60]$ →
 $.020-.043$
 $[0,50-1,07]$ →
 $.1$
 $[3,$

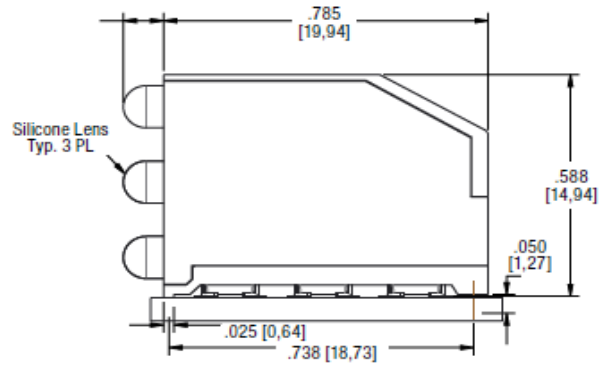
593-424242-413F / 593

DIMENSIONS inches [mm]

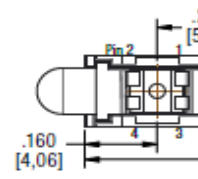
FRONT VIEW



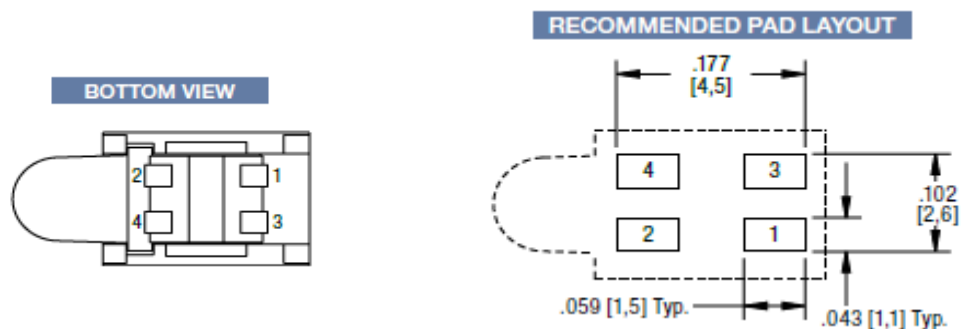
SIDE VIEW



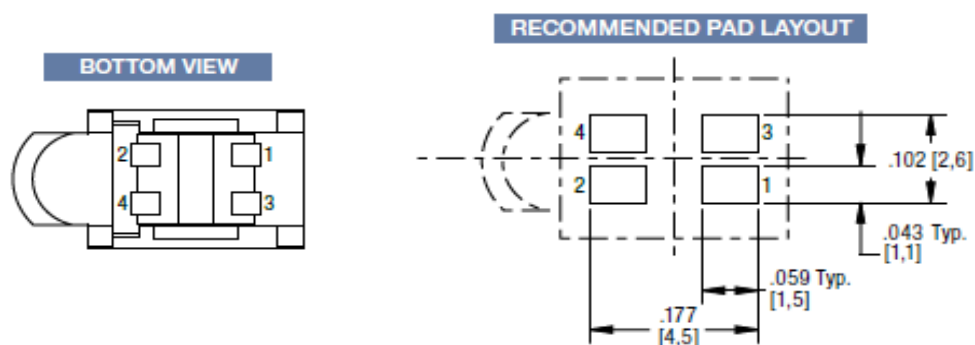
BO



591-3703-007F / 591-3703-013F

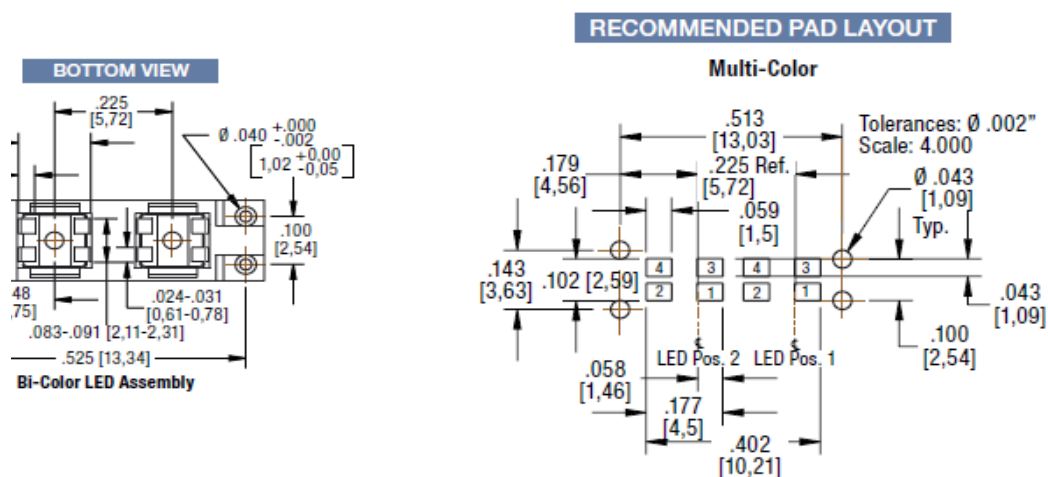


591-3703-107F / 591-3703-113F

id
ig
A

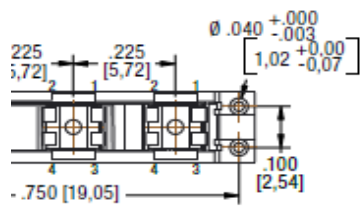
2-4230-313NF / 592-4231-313NF / 592-4242-413F

2-3730-313NF / 592-3731-313NF / 592-3737-413F

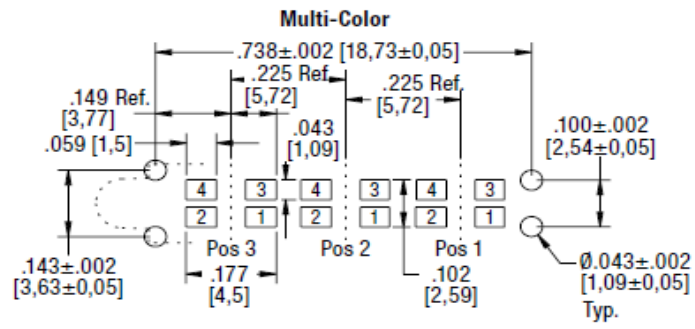


3-373737-413F

TTOM VIEW



RECOMMENDED PAD LAYOUT



MULTI-COLOR LED PIN REFERENCE				
CODE	LED COLOR	PIN 1	PIN 2	PIN 3
35	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
37	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
42	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode

MULTI-COLOR LED PIN REFERENCE				
CODE	LED COLOR	PIN 1	PIN 2	PIN 3
35	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
37	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
42	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode

SINGLE COLOR / MULTI-COLOR LED PIN REFERENCE				
CODE	LED COLOR	PIN 1	PIN 2	PIN 3
20	RED	Cathode	Anode	-
21	RED	Cathode	Anode	
28	WHITE	Cathode	Anode	
30	RED / GREEN	Red Cathode	Red Anode	Green Anode
31	YELLOW / GREEN	Yellow Cathode	Yellow Anode	Green Anode
35	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
37	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
42	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode

MULTI-COLOR LED PIN REFERENCE				
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CODE	LED COLOR	PIN 1	PIN 2	PIN 3
35	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
37	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode
42	RED / GREEN / BLUE	Red Cathode	Common Anode	Green Cathode

PIN 4
Blue Cathode
Blue Cathode
Blue Cathode

PIN 4
Blue Cathode
Blue Cathode
Blue Cathode

PIN 4
-
Green Cathode
Green Cathode
Blue Cathode
Blue Cathode
Blue Cathode

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PIN 4
Blue Cathode
Blue Cathode
Blue Cathode

Key Dates

*Last Time Buy Date:	July 29, 2026
Last Time Ship Date:	December 31, 2026
Sample Availability Date:	2 weeks after request
Literature Updated:	Completed

*Please note, lead time on the obsoleted items is approximately 40 weeks. For this reason, Dialight strongly suggests you spec in one of the alternate options.

Replacement Option #1 is Recommended as the closest to original part. Lead time for Option #1 part numbers is 12 weeks.
Replacement Option #2 is Higher Brightness alternate. Lead time for Option #2 is 16 weeks.