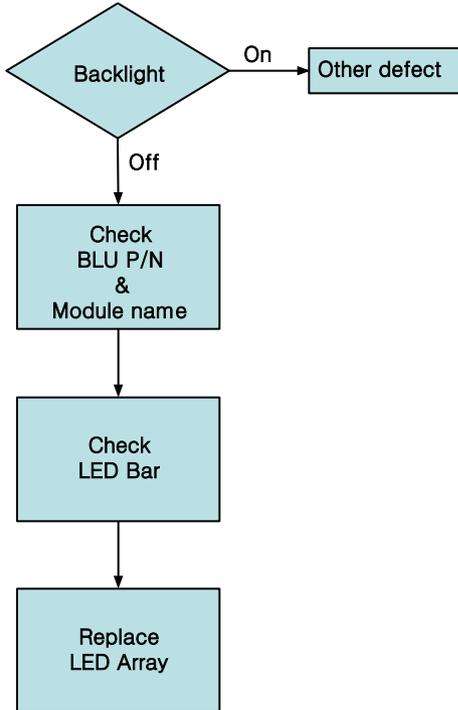


* Subject: Repair guide for LED Array										
* Bulletin Registration Date: 2015.03.19			* Effective from Date: 2015.03.19							
•Applicable for models	Inch	Model name								
	32"	32LA58/61xx	32LB53/64xx	32LN51/52/53/54/56/57/61/63/64xx						
	37"	37LN54xx	-	-						
	47"	47LN51/52/53/54/56/57/61xx	-	-						
	50"	50LA61/62xx	50LN51/52/53/54/56/57xx	-						
• Applicable Serial Number:										
Applicable in warranty:		YES	NO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Also applicable outside of warranty:	YES	NO	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Applicable only with symptoms below:		YES	NO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Applicable with every repair:	YES	NO	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Technical information

<p>* 1) Symptoms / Customer Complaint</p> <ul style="list-style-type: none"> - No Backlight / No display/ Abnormal Display / Dark Screen / Faulty Display / Others
<p>* 2) Problem / Cause</p> <ul style="list-style-type: none"> - LED Package dead by electrical stress.
<p>* 3) Solution</p> <ul style="list-style-type: none"> - 1st step : Replace the new LED Array (Not LED Bar) - 2nd step : Please update the latest SW Version on lg.com

* 4) Solution step by step:



Detail

First, Check the backlight On/Off

-This guide is only for backlight off

Second, Check the BLU P/N on BLU Label and module name on LCM Label. 

-The LED Array varies from BLU P/N & Module Name

(The LED Array of 32 inch has a 5 type)

* How to order the new LED Array.

Third, Check the arrangement of LED Bar 

-Check to see if the type & P/N looks correct

* The LED Bar is not compatible with each inch

Last, Replace the LED Array

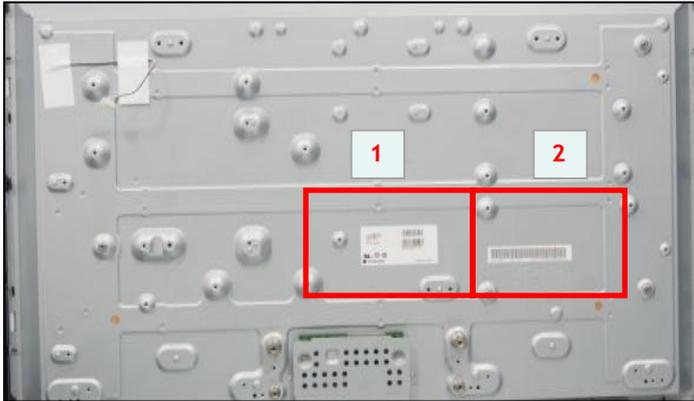
-Refer to video guide, replace the new part carefully

5) New Software Release: (Attach new software link with tool-usage information)

- Nothing

Attachment. How to order the new LED Array

1. Check the two Label on back side of module



2. Check the Module Name.



3. Check the LED Array P/N.



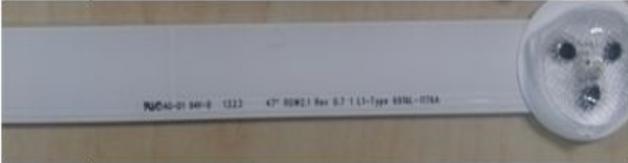
4. Match the LED Array P/N with P/N table.

– Refer to next page. (Configuration of V13 Module LED Array)

Attachment. Configuration of V13 Module LED Array

Inch	Module P/N	Module Name	화질구분	BLU P/N	LGIT Model Name	LED Array P/N	Configuration of LED Bar		
							Type No	P/N	Q'ty
32" (HD)	EAJ62310301	LC320DXE-SFU2	HD	6091L-2330A	LATWT320RELZK	AGF78180101	A1	6916L-1204A(7)	2
							A2	6916L-1205A(8)	1
	EAJ62807901	LC320DXE-SGR1		6091L-2330B	LATWT320RWLZK	AGF78180001	A1	6916L-1204A(7)	2
				6091L-2223B					
	6091L-2223C								
	6091L-2330B								
	EAJ62310301	LC320DXE-SFU2		6091L-2330B	LATWT320RELZK	AGF78180101	A1	6916L-1204A(7)	2
6091L-2223B			A2	6916L-1205A(8)			1		
EAJ62309801	LC320DXE-SFR1	6091L-2223A							
32" (FHD)	EAJ62450301	LC320DUE-SFR4	FHD	6091L-2294D	LATWT320RZLZK	AGF78202301	B2	6916L-1437A(7)	2
				6091L-2473A			B1	6916L-1438A(7)	1
	EAJ62310001	LC320DUE-SFR1		6091L-2275A	LATWT320RDLZK	AGF78202101	A1	6916L-1105A(7)	2
	EAJ62450301	LC320DUE-SFR4		6091L-2294B			A2	6916L-1106A(8)	1
47"	EAJ62310101	LC470DUE-SFR1		6091L-2210A/G	LATWT470RDLZK	AGF78180201	R1	6916L-1174A	3
							R2	6916L-1175A	3
	EAJ62450501	LC470DUE-SFR4		6091L-2210F			L1	6916L-1176A	3
							L2	6916L-1177A	3
50"	EAJ62310601	LC500DUE-SFU1		6091L-2348A/B/C	LATWT500RDLZK	AGF78180301	L1	6916L-1241A	3
	EAJ62274701	LC500DUE-SFU2		6091L-2348A/B/C			L2	6916L-1272A	3
	EAJ62310201	LC500DUE-SFR2		6091L-2230E/B			R1	6916L-1273A	3
							R2	6916L-1276A	3
①		②		③		④	⑤		

Attachment. Configuration of V13 Module LED Array

Step 1)	Check the model/Inch with ①	<table border="1"> <thead> <tr> <th>Inch</th> <th colspan="3">Model name</th> </tr> </thead> <tbody> <tr> <td>32"</td> <td>32LA58/61xx</td> <td>32LB53/64xx</td> <td>32LN51/52/53/54/56/57/61/63/64xx</td> </tr> <tr> <td>37"</td> <td>37LN54xx</td> <td>-</td> <td>-</td> </tr> <tr> <td>47"</td> <td>47LN51/52/53/54/56/57/61xx</td> <td>-</td> <td>-</td> </tr> <tr> <td>50"</td> <td>50LA61/62xx</td> <td>50LN51/52/53/54/56/57xx</td> <td>-</td> </tr> </tbody> </table>	Inch	Model name			32"	32LA58/61xx	32LB53/64xx	32LN51/52/53/54/56/57/61/63/64xx	37"	37LN54xx	-	-	47"	47LN51/52/53/54/56/57/61xx	-	-	50"	50LA61/62xx	50LN51/52/53/54/56/57xx	-
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50"	50LA61/62xx	50LN51/52/53/54/56/57xx	-																			
Step 2)	Check the module name on back side label with ②																					
Step 3)	Check the BLU Part No on back side label with ③																					
Step 4)	If all of the information is right with ①/②/③, Search and order the LED Array as "④"																					
Step 5)	Receive the part, make sure that the type & quantity is correct with LED Bar info (⑤)																					

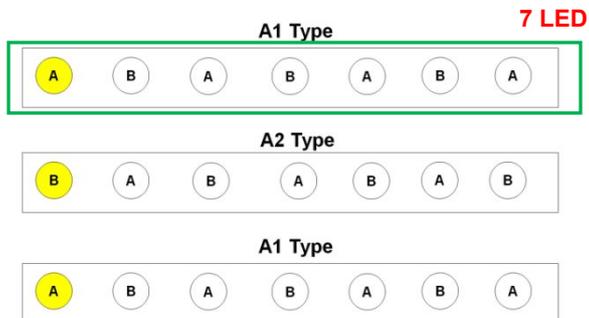
Attachment. Arrangement for each inch (32")

Arrangement 32inch LED Array (1)

1. Feature

- White Color LED Array.
- Top view type LED Array on CEM3 PCB (21ea LEDs)
- LED Array size : 630 x 12 x 6.5mm (L x W x H)
- A1 / A2 Type : 7ea LEDs(2bar/1bar)

2. Arrangement

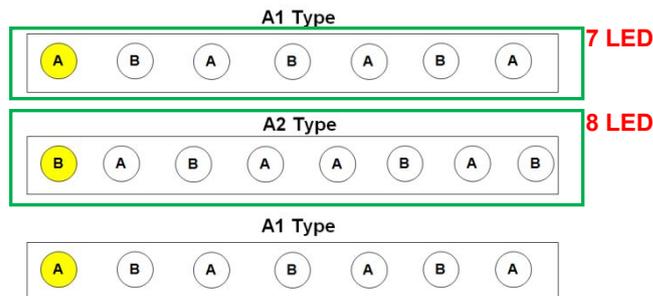


Arrangement 32inch LED Array (2)

1. Feature

- White Color LED Array.
- Top view type LED Array on CEM3 PCB (22ea LEDs)
- LED Array size : 630 x 12 x 6.5mm (L x W x H)
- A1 Type : 7ea LEDs / 2Bar, A2 Type : 8ea LEDs / 1Bar

2. Arrangement



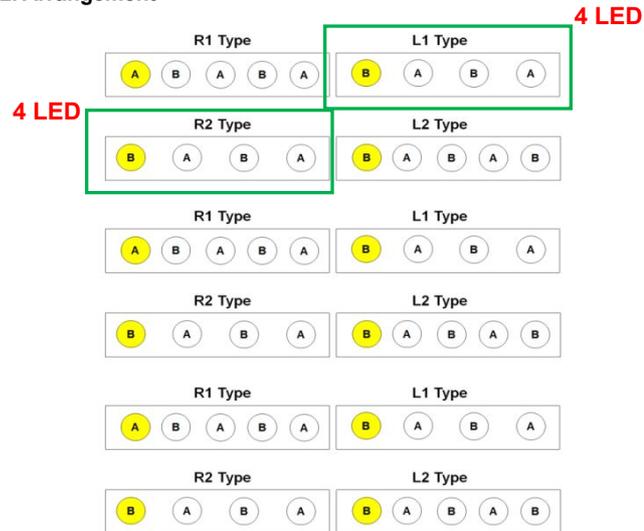
Attachment. Arrangement for each inch (47")

Arrangement 47inch LED Array

1. Feature

- White Color LED Array.
- Top view type LED Array on CEM3 PCB (54ea LEDs)
- LED Array size (L x W x H)
 - 1) L1 : 447.6 x 12 x 6.4 (3pcs)
 - 2) L2 : 492.6 x 12 x 6.4 (3pcs)
 - 2) R1 : 492.6 x 12 x 6.4 (3pcs)
 - 3) R2 : 447.6 x 12 x 6.4 (3pcs)
- L1 / R2 Type : 4ea LEDs / 1Bar, L2 / R1 Type : 5ea LEDs / 1Bar

2. Arrangement



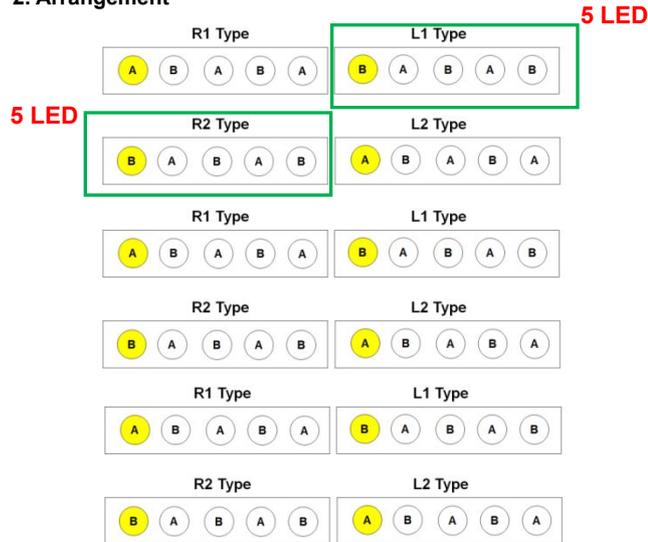
Attachment. Arrangement for each inch (50")

Arrangement 50inch LED Array

1. Feature

- White Color LED Array.
- Top view type LED Array on CEM3 PCB (60ea LEDs)
- LED Array size (L x W x H)
 - 1) L1 → 495.0 x 12 x 6.5 (3pcs)
 - 2) L2 → 468.0 x 12 x 6.5 (3pcs)
 - 3) R1 → 502.4 x 12 x 6.5 (3pcs)
 - 4) R2 → 529.4 x 12 x 6.5 (3pcs)
- L1 / L2 / R1 / R2 : 5ea LEDs / 1bar

2. Arrangement



Attachment. Repair guide for LED Array

Preparation for replace “LED Array”

LED Array Information

- ③ 32” LED Type : A1/A2 (2bar/1bar)
- ④ 47” LED Type : L1/L2/R1/R2 (each 3bar)
- ⑤ 50” LED Type : L1/L2/R1/R2 (each 3bar)

Recommendation

Environment

- ① Clean Room (less dust)
- ② Work place over 15m²~

Tool

- ① Gloves, Apron, Oversleeve
 - ② Compressor for module
- * If need, should be buy it from On-Off line Mall

Repair Flow

- 01 Separate the board (Main/Power/T-Con)
- 02 Disassemble the module
- 03 Detach the LED Bar from BLU
- 04 Attach the new LED Bar on BLU
- 05 Assemble the module
- 06 Assemble the board (Main/Power/T-Con)
- 07 Clean up the module

※ For more details, Please note the repair video guide