Vertiv™ Local Rack Access LED LCD Console

Pixel Policy Technical Note

SEPTEMBER 3, 2021

Overview

If you encounter pixel issues when using the Vertiv™ Local Rack Access LED LCD console, please refer to the following information for guidance and additional details.

Accept/Reject Criteria for LCD Panel Faulty Pixels

Defects Table Definitions

The following definitions apply to the Defects tables listed in this section (where applicable):

- Bright dot: Any red, green or blue pixel stuck in the "On" mode.

- Dark dot: Any red, green or blue pixel stuck in the "Off" mode.

- Length: The distance between defects, indicated by an "L" in the table.

- Count: The number of dots displaying, indicated by an "N" in the table.

Bright Dot Defects

DEFECT TYPE	ACCEPT COUNT	REJECT COUNT
Random Bright Dots	N <= 2	N > 2
Two Adjacent Bright Dots	N <= 1	N > 1
Three Adjacent Bright Dots	N <= 0	N > 0
Maximum Allowable Dot Defects	N <= 5	N > 5

Example: Two Adjacent Bright Dots
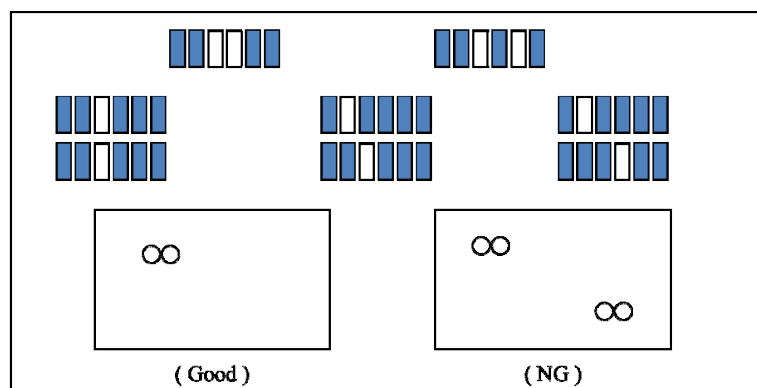
Dark Dot Defects

DEFECT TYPE	ACCEPT COUNT	REJECT COUNT
Random Dark Dots	N <= 5	N > 5
Two Adjacent Dark Dots	N <= 2	N > 2
Three Adjacent Dark Dots	N <= 1	N > 1
Maximum Allowable Dot Defects	N <= 5	N > 5

Example: Two Adjacent Dark Dots

(Good)   (N. G)
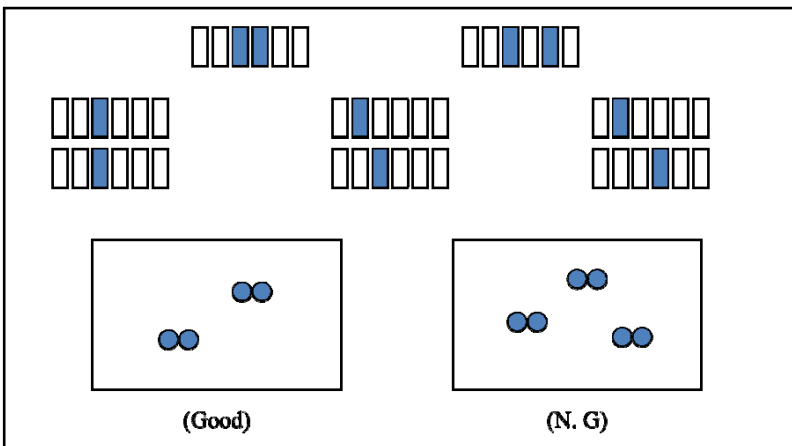
Example: Three Adjacent Dark Dots

(Good)   (N. G)
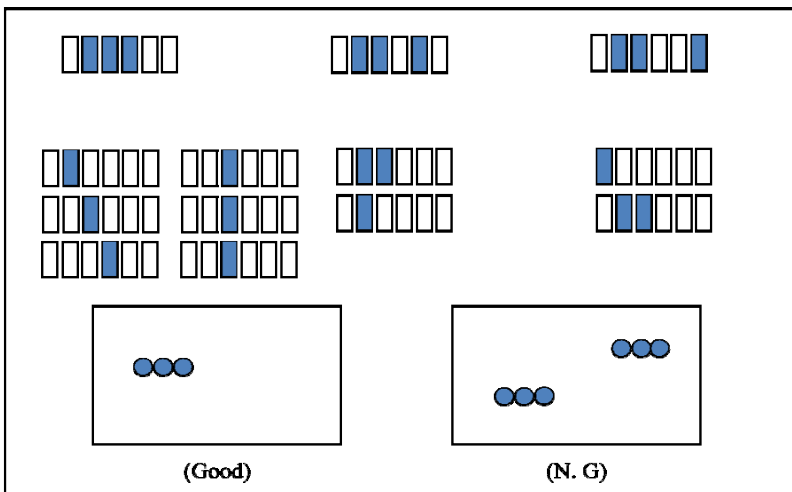
Minimum Distance (Length) Between Defects

DEFECT TYPE	ACCEPT DISTANCE	REJECT DISTANCE
Bright Dot to Bright Dot	L >= 15mm	L< 15mm
Dark Dot to Dark Dot	L >= 5mm	L < 5mm

Example: Minimum Distance Between Bright Dot to Bright Dot Defects

Example: Minimum Distance Between Dark Dot to Dark Dot Defects

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