

■ LCD Modules

<For industrial appliances>

Display size (cm) ["]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m ²) (TYP.)	Interface	Power consumption (W) (TYP.)	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
8.8 [3.5]	LQ035Q3DG03	320 × RGB × 240	0.2205 × 0.2205	70.56 × 52.92	16.77 M	450	CMOS 8-bit RGB	0.8	76.9 × 63.9 × 4.7	TYP. 42	Long-life LED backlight
12 [4.3]	☆LQ043T3DW03	480 × RGB × 272	0.198 × 0.198	95.04 × 53.86	16.77 M	400	CMOS 8-bit RGB	1.2	105.5 × 67.2 × 7.7	85	Advanced Super V, Long-life LED backlight
	LQ043T3DG01				260 k	400	CMOS 6-bit RGB	0.6	105.5 × 67.2 × 5.05	TYP. 65	
	LQ043T3DG02					480			105.5 × 67.2 × 3.95	TYP. 55	
14 [5.7]	LQ057V3LG11	640 × RGB × 480	0.18 × 0.18	115.2 × 86.4	260 k	350	1ch LVDS 8-bit RGB	2.3	144.0 × 104.6 × 12.3	190	Built-in LED backlight driver circuit
	★LQ057Q3DC03	320 × RGB × 240	0.36 × 0.36			500	CMOS 6-bit RGB	2.5	144.0 × 104.6 × 12.3	210	Long-life LED backlight, Built-in LED backlight driver circuit
18 [7.0]	LQ070Y3LW01	800 × RGB × 480	0.1905 × 0.1905	152.4 × 91.4	16.19 M	360	1ch LVDS 8-bit RGB	2.6	170.0 × 110.0 × 9.0	TYP. 175	Advanced Super V, Long-life LED backlight
	LQ070Y3DG3A					350	CMOS 6-bit + 2-bit FRC	2.0	163.2 × 104.0 × 3.9	150	
	LQ070Y3DG3B					280		2.0	163.2 × 104.0 × 7.1 (including touch panel)	185	With resistive touch panel
	LQ070Y3LG4A					350	LVDS 6-bit + 2-bit FRC	2.1	163.2 × 104.0 × 3.9	150	
21 [8.4]	☆LQ084S3LG03	800 × RGB × 600	0.213 × 0.213	170.4 × 127.8	16.77 M	330	1ch LVDS 8-bit RGB	4.1	199.5 × 154.0 × 11.6	320	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ084V3DG02	640 × RGB × 480	0.267 × 0.267	170.88 × 128.16	260 k	400	CMOS 6-bit RGB	4.6	199.5 × 149.5 × 11.6	400	Long-life LED backlight
26 [10.4]	☆LQ104V1DG81/LG81	640 × RGB × 480	0.33 × 0.33	211.2 × 158.4	260 k	450	CMOS 6-bit RGB/ 1ch LVDS 6-bit RGB	5.6	246.5 × 179.4 × 12.5	TYP. 500	Strong LCD2, Long-life LED backlight, Built-in LED backlight driver circuit
31 [12.1]	LQ121S1LG81	800 × RGB × 600	0.3075 × 0.3075	246.0 × 184.5	260 k	450	LVDS 6-bit RGB	5.1	276.0 × 209.0 × 9.1	600	Long-life LED backlight, HV mode*2, Built-in LED backlight driver circuit
	☆LQ121S1LG84										Long-life LED backlight, DE mode*3, Built-in LED backlight driver circuit
38 [15.0]	LQ150X1LG91	1 024 × RGB × 768	0.297 × 0.297	304.1 × 228.1	16.19 M	350	LVDS 8-bit + 2-bit FRC	6.8	326.5 × 253.5 × 9.6	950	Long-life LED backlight, Built-in LED backlight driver circuit
48 [19.0]	LQ190E1LX51	1 280 × RGB × 1 024	0.294 × 0.294	376.32 × 301.056	16.77 M	1 000	2ch LVDS 8-bit RGB	75	404.2 × 330.0 × 34.0	2 600	Advanced Super V, Built-in LED backlight driver circuit
	★LQ190E1LW52					300		15.3	404.2 × 330.0 × 15.0	1 850	Advanced Super V, Long-life LED backlight
59 [23.1]	LQ231U1LW32	1 600 × RGB × 1 200	0.294 × 0.294	470.4 × 352.8	16.77 M	500	LDI 8-bit RGB	65.5	530.0 × 431.5 × 23.9	4 500	Advanced Super V, Built-in LED backlight driver circuit

All products listed on this page are LED backlight models.

*1 Protrusions such as positioning bosses are not included.

*2 Hsync/Vsync mode

*3 Data enable mode

(Note) Please note that the specifications are subject to change without prior notice for product improvement.

Notice

In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. For details, please inquire with SHARP. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.

<For large-size product applications>

Display size (cm) ["]	Model No.	Number of pixels*1	Dot format H × V (dot)	Active area H × V (mm)	Display colors	Luminance (cd/m ²) (TYP.)	Interface	Outline dimensions*2 W × H × D (mm) (TYP.)	Backlight	Remarks
80.0 [31.5]	★LQ315D1LG91	8 294 400	3 840 × RGB × 2 160	697.92 × 392.58	(1.06B) (10-bit)	(450)	(8ch-LVDS)*3 (10-bit digital)	(733 × 428 × 33)*4	Direct-lit LED (built-in driver)	Super-high resolution and low power consumption (MAX. 150 W) achieved by using IGZO*5 LCD Wide viewing angle: L/R 176°/ U/D 176°, Response time [G to G]: 8 ms (Ave.)
152.5 [60]	LK601R3LA19	8 294 400	3 840 × RGB × 2 160	1 330.56 × 748.44	1.06B (8-bit + 2-bit FRC)	450	8ch-LVDS*3 (10-bit digital)	1 380.0 × 790.0 × 106.6	Direct-lit LED (built-in driver)	Ultraviolet-induced Multi-domain Vertical Alignment LCD, High color purity (78% of NTSC), Wide viewing angle: L/R 176°/ U/D 176°, High contrast: 4 000:1, High-speed response [G to G]: 6 ms (Ave.)
	★LK600D3LB14	2 073 600	1 920 × RGB × 1 080	1 329.12 × 747.63		2 000	2ch-LVDS*3 (10-bit digital)			Ultraviolet-induced Multi-domain Vertical Alignment LCD, Wide viewing angle: L/R 176°/ U/D 176°, High contrast: 5 000:1 or higher, High-speed response [G to G]: 6 ms (Ave.)
207.2 [81.6]	LK816D3LA19	2 073 600	1 080 × 1 920 × RGB	1 015.74 × 1 805.76	1.06B (8-bit + 2-bit FRC)	1 200	2ch-LVDS*3 (10-bit digital)	1 094.0 × 1 879.0 × 81.9	Built-in CCFL	Portrait setting, Advanced Super V, Wide viewing angle: L/R 176°/ U/D 176°, High contrast: 2 000:1, High-speed response [G to G]: 6 ms (Ave.)

*1 Pixel means a set of each RGB dot.

*2 Excluding FPC for connection and other protruding parts.

*3 LVDS: Low Voltage Differential Signaling

*4 Excluding the LED driver.

*5 IGZO: an oxide semiconductor consisting of In (Indium), Ga (Gallium), and Zn (Zinc).

(Note) Please note that the specifications are subject to change without prior notice for product improvement.

Notice

In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. For details, please inquire with SHARP. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.