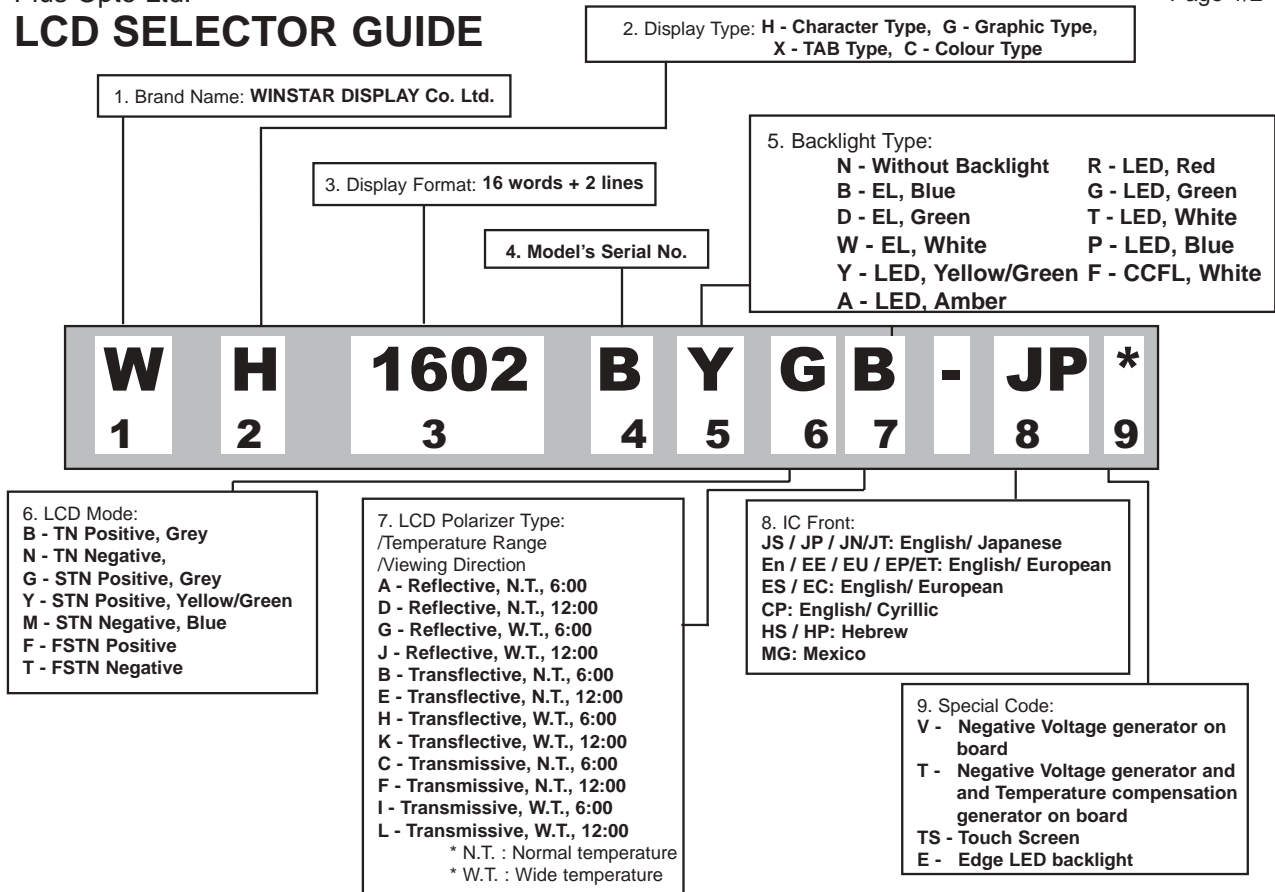


# LCD SELECTOR GUIDE



## COLOUR TYPE LCM

DISPLAY FORMAT Char x Line	MODEL No.	OUTLINE DIMENSION (WxH) mm	EFFECTIVE VIEWING AREA (WxH) mm	DOTSIZE (WxH) mm	DOT PITCH (WxH) mm	DRIVING METHOD (Duty)	Process Colour	Backlight Type	Built-in Controller
							STN COLOUR	CCFL	Controller
320 x 240	WC320X240A	154.6 X 114.8	118.8 X 89.38	0.09 X 0.33	0.12 X 0.36	1/240	O	O	NO

## CHARACTER TYPE LCM

DISPLAY FORMAT Char x Line	MODEL No.	OUTLINE DIMENSION (WxH) mm	EFFECTIVE VIEWING AREA (WxH) mm	CHARACTER SIZE (WxH) mm	DOT PITCH (WxH) mm	DRIVING METHOD (Duty)	Process Colour					Backlight Type		
							TN	stn grey	stn yell	stn blue	fstn b&w	NON	LED	EL
8 X 2	WH0802A	58.0 x 32.0	38.0 X 16.0	2.96 x 5.56	0.56 x 0.66	1/16	O	O	O	O		O	O	O
12 X 2	WH1202A	55.7 x 32.0	46.0 X 14.5	2.65 x 5.50	0.45 x 0.60	1/16	O	O	O	O		O	O	O
16 X 1	WH1601A	80.0 x 36.0	66.0 X 16.0	3.07 x 6.56	0.55 x 0.75	1/16	O	O	O	O		O	O	O
16 X 1	WH1601B	85.0 x 28.0	66.0 X 16.0	3.07 x 6.56	0.55 x 0.75	1/16	O	O	O	O		O	O	O
16 X 1	WH1601L	122.0 x 33.0	99.0 X 13.0	4.84 x 8.06	0.92 x 1.10	1/16	O	O	O	O		O	O	O
16 X 2	WH1602A	84.0 x 44.0	66.0 X 16.0	2.95 x 5.55	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 2	WH1602B	80.0 x 36.0	66.0 X 16.0	2.96 x 5.56	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 2	WH1602C	85.0 x 36.0	66.0 X 16.0	2.96 x 5.56	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 2	WH1602D	85.0 x 30.0	66.0 X 16.0	2.96 x 5.56	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 2	WH1602J	80.0 x 36.0	66.0 X 17.0	2.96 x 5.56	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 2	WH1602L	122.0 x 44.0	99.0 X 24.0	4.84 x 9.66	0.92 x 1.10	1/16	O	O	O	O	O	O	O	O
16 X 2	WH1602M	85.0 x 32.6	66.0 X 16.0	2.96 x 5.56	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 4	WH1604A	87.0 x 60.0	62.0 X 26.0	2.95 x 4.75	0.55 x 0.65	1/16	O	O	O	O		O	O	O
16 X 4	WH1604B	70.6 x 60.0	60.0 x 32.6	2.95 x 4.75	0.55 x 0.55	1/16	O	O	O	O		O	O	O
20 X 2	WH2002A	116.0 x 37.0	85.0 x 18.6	3.2 x 5.55	0.6 x 0.65	1/16	O	O	O	O		O	O	O
20 X 2	WH2002L	180.0 x 40.0	149.0 x 23.0	6.0 x 9.66	1.12 x 1.12	1/16	O	O	O	O		O	O	O
20 X 2	WH2002M	146.0 x 43.0	123.0 x 23.0	4.84 x 9.22	0.92 x 1.10	1/16	O	O	O	O		O	O	O
20 X 4	WH2004A/B	98.0 x 60.0	77.0 x 25.2	2.95 x 4.75	0.55 x 0.55	1/16	O	O	O	O		O	O	O
20 X 4	WH2004D	77.0 x 47.0	60.0 x 22.0	2.30 x 4.03	0.42 x 0.46	1/16	O	O	O	O		O	O	O
20 X 4	WH2004L	146.0 x 62.5	123.5 x 43.0	4.84 x 9.22	0.92 x 1.10	1/16	O	O	O	O		O	O	O
24 X 2	WH2402A	118.0 x 36.0	94.5 x 16.0	3.2 x 5.55	0.60 x 0.65	1/16	O	O	O	O		O	O	O
40 X 2	WH4002A	182.0 x 33.5	154.4 x 16.5	3.2 x 5.55	0.60 x 0.65	1/16	O	O	O	O		O	O	O
40 X 4	WH4004A	190.0 x 54.0	147.0 x 29.5	2.78 x 4.89	0.60 x 0.65	1/16	O	O	O	O		O	O	O

DISPLAY FORMAT Char x Line	MODEL No.	OUTLINE DIMENSION (WxH) mm	EFFECTIVE VIEWING AREA (WxH) mm	DOT SIZE (WxH) mm	DOT PITCH (WxH) mm	DRIVING METHOD (Duty)	Process Colour				Backlight Type				Built-in Controller
							stn grey	stn yell	stn blue	fstn b&w	non	LED	EL	CCFL	
80 x 32	WG8032A	44.0 x 30.0	40.0 x 17.4	0.45 x 0.45	0.48 x 0.48	1/32				O	O	O		SED1520	
122 x 32	WG12232A	84.0 x 44.0	60.0 x 18.0	0.40 x 0.45	0.44 x 0.49	1/32	O	O	O	O	O	O		SED1520	
122 x 32	WG12232B/G	65.4 x 29.1	54.8 x 19.0	0.36 x 0.41	0.40 x 0.45	1/32	O	O		O	O	O		SED1520	
122 x 32	WG12232C	84.0 x 44.0	60.0 x 18.0	0.40 x 0.45	0.44 x 0.49	1/32	O	O	O	O	O	O		SED1520	
122 x 32	WG12232D	59.0 x 29.3	52.0 x 15.0	0.345 x 0.345	0.375 x 0.375	1/32	O	O		O	O	O		SED1520	
122 x 32	WG12232E	80.0 x 36.0	60.0 x 18.0	0.40 x 0.45	0.44 x 0.49	1/64	O	O		O	O	O		SED1520	
128 x 64	WG12864	93.0 x 70.0	72.0 x 40.0	0.48 x 0.48	0.52 x 0.52	1/64	O	O	O	O	O	O	O	KSO108	
128 x 64	WG12864B	75.0 x 52.7	60.0 x 32.6	0.40 x 0.40	0.43 x 0.43	1/64	O	O	O	O	O	O		KSO108	
128 x 64	WG12864C	78.0 x 70.0	62.0 x 44.0	0.42 x 0.58	0.44 x 0.60	1/64	O	O	O	O	O	O		KSO108	
128 x 64	WG12864D	78.0 x 70.0	62.0 x 44.0	0.42 x 0.58	0.44 x 0.60	1/64	O	O	O	O	O	O		T6963C	
128 x 64	WG12864E	54.0 x 50.0	43.5 x 29.0	0.28 x 0.35	0.32 x 0.39	1/64	O	O	O	O	O	O		KSO108	
128 x 64	WG12864F	87.0 x 70.0	72.0 x 40.0	0.48 x 0.48	0.52 x 0.52	1/64	O	O	O		O	O		T6963C	
128 x 64	WG12864G	78.0 x 70.0	62.0 x 44.0	0.42 x 0.58	0.44 x 0.60	1/64	O	O	O	O	O	O		T6963C	
128 x 64	WG12864I	80.0 x 70.0	72.0 x 40.0	0.48 x 0.48	0.52 x 0.52	1/64	O	O	O	O	O	O		KSO108	
128 x 64	WG12864J	93.0 x 70.0	72.0 x 44.0	0.48 x 0.48	0.52 x 0.520	1/64	O	O	O	O	O	O		KSO108	
128 x 64	WX12864A	38.0 x 24.22	29.58 x 17.98	0.18 x 0.23	0.20 x 0.25	1/64	O	O	O	O	O	O		KSO713	
128 x 64	WX12864C	56.0 x 42.5	52.0 x 33.5	0.35 x 0.40	0.37 x 0.42	1/64	O	O	O		O	O		KSO713	
128 x 128	WG128128A	85.0 x 100.0	62.0 x 62.0	0.40 x 0.40	0.34 x 0.34	1/128	O	O	O	O		O		T6963C	
128 x 128	WG128128B	72.5 x 69.9	50.0 x 49.0	0.32 x 0.32	0.35 x 0.35	1/128	O	O		O	O	O		LC7981	
160 x 32	WG16032A	85.2 x 55.0	72.0 x 22.0	0.40 x 0.56	0.44 x 0.61	1/132	O	O	O		O	O	O	SED1520	
160 x 128	WG160128B	129.0 x 102.0	101.0 x 82.0	0.54 x 0.54	0.58 x 0.58	1/128		O	O		O	O	O	T6963C	
160 x 128	WG160128C	150.0 x 112.0	101.0 x 82.0	0.54 x 0.54	0.58 x 0.58	1/128		O	O		O	O	O	T6963C	
160 x 160	WG160160A	89.0 x 85.0	62.0 x 62.0	0.34 x 0.34	0.38 x 0.38	1/160	O	O	O	O	O	O		NO	
160 x 160	WG160160B	85.0 x 100.0	62.0 x 62.0	0.34 x 0.34	0.38 x 0.38	1/160	O	O		O	O	O		LC7981	
160 x 160	WX160160A	69.0 x 69.5	60.0 x 60.0	0.33 x 0.33	0.35 x 0.35	1/160		O	O		O	O		NO	
202 x 32	WG20232A	146.0 x 43.0	123.0 x 23.0	0.57 x 0.57	0.59 x 0.59	1/32	O	O		O	O	O		SED1520	
240 x 64	WG24060A	180.0 x 65.0	133.0 x 39.0	0.49 x 0.49	0.53 x 0.53	1/64	O	O	O	O	O	O	O	T6963C	
240 x 64	WG24064B	180.0 x 65.0	133.0 x 39.0	0.49 x 0.49	0.53 x 0.53	1/64	O	O	O	O	O	O	O	LC7981	
240 x 64	WG24064C	180.0 x 65.0	133.0 x 39.0	0.49 x 0.49	0.53 x 0.53	1/64	O	O	O	O	O	O	O	T6963C	
240 x 128	WG240128A	170.0 x 103.5	132.0 x 76.0	0.47 x 0.47	0.50 x 0.50	1/128	O	O	O	O	O	O	O	T6963C	
240 x 128	WG240128B	144.0 x 104.0	114.0 x 64.0	0.43 x 0.43	0.45 x 0.45	1/128	O	O	O	O	O	O	O	T6963C	
240 x 128	WG240128D	144.0 x 104.0	114.0 x 64.0	0.43 x 0.43	0.45 x 0.45	1/128	O	O	O	O	O	O	O	LC7981	
240 x 128	WG240128E	144.0 x 104.0	114.0 x 64.0	0.43 x 0.43	0.45 x 0.45	1/128	O	O	O	O	O	O	O	LC7981	
240 x 128	WG240128F	170.0 x 93.6	128.0 x 75.0	0.43 x 0.43	0.45 x 0.45	1/128	O	O	O	O	O	O	O	LC7981	
240 x 160	WX240160A	78.85 x 56.7	57.58 x 38.38	0.22 x 0.22	0.24 x 0.24	1/160		O	O		O	O		NO	
240 x 160	WX240160B	74.6 x 56.1	62.2 x 43.5	0.23 x 0.23	0.24 x 0.24	1/160		O	O		O	O		NO	
320 x 240	WG320240A	160.0 x 109.0	122.0 x 92.0	0.34 x 0.34	0.36 x 0.36	1/240	O	O	O	O	O	O	O	NO	
320 x 240	WG320240B	160.0 x 109.0	122.0 x 92.0	0.34 x 0.34	0.36 x 0.36	1/240	O	O	O	O	O	O	O	SED1335	
320 x 240	WG320240C	148.02 x 120.24	120.04 x 92.14	0.34 x 0.34	0.36 x 0.36	1/240	O	O	O	O	O	O	O	SED1335	
320 x 240	WG320240D	142.0 x 96.0	104.0 x 79.3	0.27 x 0.27	0.30 x 0.30	1/240	O	O	O	O	O	O		NO	
320 x 240	WX320240A	92.2 x 73.3	81.4 x 62.2	0.22 x 0.22	0.24 x 0.24	1/240		O	O		O	O		NO	
480 x 320	WX480320A	156.0 x 94.9	120.2 x 81.8	0.22 x 0.22	0.24 x 0.24	1/320		O	O		O	O		NO	
640 x 480	WX640480A	197.0 x 145.0	153.0 x 115.7	0.217 x 0.217	0.237 x 0.237	1/240		O	O		O	O		NO	

INVERTER FOR EL PANEL

PART No.	INPUT DC	OUTPUT DC	INPUT CURRENT	EL AREA	OPERATING TEMPERATURE	STORAGE TEMPERATURE
WIEL1	5V ± 10%	90Vrms ± 15%	95mA MAX	84cm <sup>2</sup>	-20°C ~ 70°C	-30°C ~ 80°C
WIEL2	5V ± 10%	80Vrms ± 15%	60mA MAX	30~80cm <sup>2</sup>	-20°C ~ 70°C	-30°C ~ 80°C
WIEL3	5V ± 10%	120Vrms ± 15%	100mA MAX	100~260cm <sup>2</sup>	-20°C ~ 70°C	-30°C ~ 80°C
WIEL4	3V ± 10%	160Vrms ± 15%	86mA MAX	84cm <sup>2</sup>	-20°C ~ 70°C	-30°C ~ 80°C

INVERTER FOR CCFL LAMP

PART No.	INPUT DC	NOLOAD OPERATING VOLT	INPUT CURRENT	FREQUENCY	OPERATING TEMPERATURE	STORAGE TEMPERATURE
WICCFL1	5V ± 10%	650Vrms	0.45A MAX	37.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C
WICCFL2	12V ± 10%	750Vrms	0.30A MAX	37.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C
WICCFL3	5V ± 10%	750Vrms	0.32A MAX	45.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C
WICCFL4	5V ± 10%	950Vrms	0.35A MAX	38.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C
WICCFL5	12V ± 10%	850Vrms	0.35A MAX	38.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C
WICCFL6	5V ± 10%	1000Vrms	0.41A MAX	34.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C
WICCFL8	24V ± 10%	940Vrms	0.09A MAX	56.0 KHz ± 5%	-10°C ~ 80°C	-20°C ~ 85°C