Microsemi

http://www.microsemi.com/inverters/CCFLSelectorGuide.pdf

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CF　　　　　　　　Contact the Factory
BASE PN　　　　　　Grouping of several very similar inverters done to ease the search. To find all available PN remove "x" if any and enter the truncated PN on www.microsemi.com
INPUT CABLES (Voltage Source to Inverter) are available for sales under Part Numbers LX9501G & LX9508G (see inverter datasheet)
* **R.C.** Values shown are at the Recommended Operating Conditions

Microsemi (MSC) represents the information provided in this document is to the best of its knowledge and believes it to be accurate as of the date that it was provided. Before selecting a specific inverter for a specific LCD panel MSC suggests you verify compatibility with the latest LCD Panel specifications. MSC shall not be liable for loss of use, revenue, profit, or for any special, incidental, or consequential damages arising out of, connected with, or resulting from, the information provided in this document, or otherwise.

Which Backlight Module for Your Panel? http://www.microsemi.com/products/backlight/overview.asp　　　NEW ACTIVE PRODUCT　　　**NRND:** Not Recommended for New Designs

Type	Output Strings**	Range V_{IN} [V]*	Range V_{OUT} [V]*	Progr. I_{OUT} [mA]*	String to String I Matching	Max Dimming	Operating Temp [ºC]*	Base PN	Status/Highlight	DIMENSIONS (L,W,H) [mm]
LED Driver Modules NEW	Up to 3	[4.75 -->28]	[V_{IN} --> 35V]	15 to 50mA in 5mA steps	1% Typ	1000:1	[-30,80]	LXMG1930-28-0x	NEW: STAYLIT, LED Over Temperature Protection Available!	69 x 27.9 x6
	Up to 6			10 to 25mA in 1mA steps				LXMG1960-28-0x		

** Can be combined

Type	Typ V_{IN} [V]*	Range V_{IN} [V]*	V_{LAMP} Range [V]*	Typ I_{OLAMP} [mA]**	V_{LS} [V] Min/Typ	Max Dimming	Operating Temp [ºC]*	Base PN	Status/Highlight	DIMENSIONS (L,W,H) [mm]
CCFL Single Lamp UPGRADED!	3.3	[3.0 --> 3.6]	[325,435]	3.5 to 5.0	1000/1200	<5:1	[-30,80]	LXMG1618A-03-2x	NEW - "A" Series	86 x 16 x 4.7
						100:1		LXMG1617A-03-2x		
	5	[4.75 --> 5.25]				<5:1		LXMG1618A-05-2x		
						100:1		LXMG1617A-05-2x		
			[465,635]	5.0 to 6.5	1300/1400	<5:1		LXMG1618A-05-4x		86 x 16 x 6.2
						100:1		LXMG1617A-05-4x		
			[545,735]	5.0 to 8.0	1500/1650	<5:1		LXMG1618A-05-6x		100 x 16 x 7.5
						100:1		LXMG1617A-05-6x		
		[4.75 --> 5.50]	**[300,750]**	**4.0 to 7.0**	**1500/1650**	50:1		LXMG1811-05-6x or 6xS***	"LXMG181x" Series	100 x 16 x 6.0
	12	[10.8 --> 13.2]	[465,635]	5.0 to 6.5	1300/1400	<5:1		LXMG1618A-12-4x	NEW - "A" Series	86 x 16 x 6.2
						100:1		LXMG1617A-12-4x		
			[545,735]	5.0 to 8.0	1500/1650	<5:1		LXMG1618A-12-6x		100 x 16 x 7.5
						100:1		LXMG1617A-12-6x		
		[9.0 --> 16.80]	**[300,750]**	**4.0 to 7.0**	**1500/1650**	50:1		LXMG1813-12-6x or 6xS***	"LXMG181x" Series	100 x 16 x 6.0
		[9.0 --> 16.0]	[500,1000]	3.8 to 8.8	/2000	100:1	[-40,85]	LXMG1614E-14-11	AUTOMOTIVE	130 x 23 x 8.5

*** When ordering the LXMG181x Series w/ the Light Sensor Board 2 Part Numbers are required. I.e. LXMG1811-05-61S + LXMG1800_LS
Older Single Lamp PN starting with LXMG1617 and LXMG1618 (non "A") are Not Recommended for New Designs.

LXMG181X-XX-6X**S** Series

LXMG1800_LS

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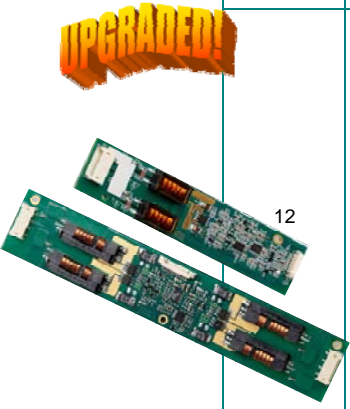
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Type	Typ V_{IN} [V]*	Range V_{IN} [V]*	V_{LAMP} Range [V]*	Typ I_{OLAMP} [mA]**	V_{LS} [V] Min/Typ	Max Dimming	Operating Temp [ºC]*	Base PN	Status/Highlight	DIMENSIONS (L,W,H) [mm]
CCFL Dual Lamp Modules	5	[4.75 --> 5.25]	[320,420]	5.0 to 6.0	1250/1400	100:1	[-30,80]	LXMG1626-05-46	STAYLIT	113 x 30 x 6.5
			[385,485]					LXMG1626-05-45		
			[350,530]	5.0 to 6.5		50:1		LXMG1627-05-4x	NEW	134 x 30 x 8
			[450,610]		1400/1600			LXMG1627-05-44		108.7 x 22.35 x 10.2
			[460,620]	5.0 to 7.0	1450/1600	100:1	[-20,70]	LXMG1626-05-67	Active	133 x 25 x 7.5
					1350/1500			LXMG1626-05-66		133 x 25 x 7.5
			[510,690]	5.0 to 6.5	1400/1500			LXMG1626-05-65		
			[480,720]	5.0 to 8.0	1400/1650	50:1	[-30, 80]	LXMG1627-05-6x	NEW	165 x 21 x 10
	12	[10.8 --> 13.2]	[,1250]	3.5 to 5.0			[-20,70]	LXMG1626-12-64	Active	165 x 21 x 7.5
			[320,420]	5.0 to 6.0	1250/1400	100:1	[-30,80]	LXMG1626-12-46	STAYLIT	113 x 30 x 6.5
			[385,485]					LXMG1626-12-45		113 x 30 x 6.2
			[350,500]	6	1500/1650		[0,70]	LXMG1621-02	NRND-->LXMG1626-12-45/46	124 x 32 x 8.5
			[350,530]	5.0 to 6.5	1250/1400	<5:1	[-30,80]	LXMG1624-12-4x		134 x 30 x 8
						50:1		LXMG1627-12-4x	NEW	115 x 30 x 6.5
			[450,610]		1400/1600			LXMG1627-12-44		108.7 x 22.35 x 10.2
			[460,620]	5.0 to 7.0	1450/1600	100:1	[-20,70]	LXMG1626-12-66	Active	133 x 25 x 7.5
								LXMG1626-12-67		
			[470,640]	6	1500/1650		[0,70]	LXMG1621-04	NRND - See LXMG1626-12-66	124 x 32 x 8.5
			[480,720]	5.0 to 8.0	1500/1650	<5:1	[-30,80]	LXMG1628-12-6x	NEW	165 x 21 x 10
						50:1		LXMG1627-12-6x		165 x 21 x 7.5
			[500,750]	7	1500/1650			LXMG1621-01	NRND - See LXMG1626-12-65	124 x 32 x 8.5
			[510,690]	5.0 to 6.5	1450/1650		[-20,70]	LXMG1626-12-65	Active	133 x 25 x 7.5
CCFL Quad Lamp Modules	12	[10.8-->13.2]	[510, 690]	6.0 to 7.5	/1650		[-30, 80]	LXMG1645-12-5x	NEW - STAYLIT!	150 x 44 x 10.5
			[530,720]	5.0 to 8.0	1500/1650	50:1	[-20,70]	LXMG1643-12-61	Active	188 x 36 x 8
								LXMG1643-12-62		
			[530,730]					LXMG1643-12-63		
								LXMG1643-12-64		188 x 42 x 8
	24	[21.6 --> 26.4]	[530,720]	6	/1650	50:1	[-30, 80]	LXMG1645-24-53	NEW - STAYLIT!	200 x 50 x 11.8

UPGRADED!

NEW!