

# LG – ERP Cross Reference



# LG Innotek

	Current (mA)																				
	200	250	280	285	300	350	400	450	460	500	550	620	700	800	850	900	1000	1050	1200	1250	
LEMWM11580*Z	✓	✓	✓	✓	✓	✓															
LEMWM18580*G			✓	✓	✓	✓	✓	✓	✓	✓											
LEMWM18680*G						✓	✓	✓	✓	✓	✓										
LEMWM18780*G										✓	✓	✓	✓	✓	✓	✓					
LEMWM18880*G													✓	✓	✓	✓	✓	✓	✓	✓	✓

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LG COB LED SPECIFICATION				ERP LED DRIVER SPECIFICATION								
LG COB Product Name	Driver Output Current (mA)	Min Forward Voltage (VDC)	Max Forward Voltage (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout Set Point +/-5% (mA)	Pout max (W)	Vout Min (Vdc)	Vout nom (Vdc)	Vout Max (Vdc)
<b>LEMWM11580*Z: 195mA (typical current), 390mA (max current)</b>												
11580@200mA	200	34	38	EBR010U-0200-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
				EBR010E-0200-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
11580@250mA	250	34	38	EBR010U-0250-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
				EBR010E-0250-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
				ESS010W-0250-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	250	10.5	24	37.8	42
11580@280mA	280	34	38	ESM020W-0280-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	280	11.8	24	37.8	42
11580@285mA	285	34	38	EBR015U-0285-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	285	12.0	30	37.8	42
11580@300mA	300	34	38	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42
11580@350mA	350	34	38	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				ERP020W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42
				ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
				ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42



LEMWM11580\*Z

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LG COB LED SPECIFICATION				ERP LED DRIVER SPECIFICATION									
LG COB Product Name	Driver Output Current (mA)	Min Forward Voltage (VDC)	Max Forward Voltage (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout Set Point +/-5% (mA)	Pout max (W)	Vout Min (Vdc)	Vout nom (Vdc)	Vout Max (Vdc)	
<b>LEMWWM18580*G: 260mA (typical current), 520mA (max current)</b>													
18580@280mA	280	34	38	ESM020W-0280-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	280	11.76	24	37.8	42	
18580@285mA	285	34	38	EBR015U-0285-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	285	12.0	30	37.8	42	
18580@300mA	300	34	38	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42	
				EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42	
				ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42	
18580@350mA	350	34	38	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42	
				EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42	
				ERP020W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42	
				ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42	
18580@400mA	400	34	38	ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42	
				EBR020U-0400-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42	
				EBR020E-0400-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42	
18580@450mA	450	34	38	ESS020W-0400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	400	16.8	24	37.8	42	
				ERP020W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42	
18580@460mA	460	34	38	ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42	
				EBR020U-0460-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	460	19.3	30	37.8	42	
18580@500mA	500	34	38	EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42	
				EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42	
				ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42	
				ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42	



LEMWWM18580\*G

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LG COB LED SPECIFICATION				ERP LED DRIVER SPECIFICATION								
LG COB Product Name	Driver Output Current (mA)	Min Forward Voltage (VDC)	Max Forward Voltage (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout Set Point +/-5% (mA)	Pout max (W)	Vout Min (Vdc)	Vout nom (Vdc)	Vout Max (Vdc)
<b>LEMWM18680*G: 340mA (typical current), 680mA (max current)</b>												
18680@350mA	350	34	38	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				ERP020W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42
				ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
				ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
18680@400mA	400	34	38	EBR020U-0400-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				EBR020E-0400-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				ESS020W-0400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	400	16.8	24	37.8	42
18680@450mA	450	34	38	ERP020W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42
				ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42
18680@460mA	460	34	38	EBR020U-0460-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	460	19.3	30	37.8	42
18680@500mA	500	34	38	EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
				EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
				ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
				ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
18680@550mA	550	34	38	ERP030W-0550-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	550	23.1	31.5	39	42
				ESM030W-0550-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
				ESS030W-0550-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
18680@620mA	620	34	38	ESS030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42



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LG COB Product Name	Driver Output Current (mA)	Min Forward Voltage (VDC)	Max Forward Voltage (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout Set Point +/-5% (mA)	Pout max (W)	Vout Min (Vdc)	Vout nom (Vdc)	Vout Max (Vdc)
<b>LEMWM18780*G: 470mA (typical current), 940mA (max current)</b>												
18780@500mA	500	34	38	EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
				EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
				ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
				ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
18780@550mA	550	34	38	ERP030W-0550-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	550	23.1	31.5	39	42
				ESM030W-0550-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
				ESS030W-0550-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
18780@620mA	620	34	38	ESS030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42
18780@700mA	700	34	38	ERP030W-0700-38.5	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	26.95	29	35.8	38.5
				ESM030W-0700-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
				ESS030W-0700-39	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	27.3	27	35.1	39
18780@800mA	800	34	38	ERP040W-0800-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	800	33.6	31.5	39	42
				ESM040W-0800-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
				ESP040W-0800-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
18780@850mA	850	34	38	ERP040W-0850-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	850	35.7	31.5	39	42
				ESM040W-0850-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
				ESP040W-0850-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
18780@900mA	900	34	38	ERP040W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42
				ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
				ESP040W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42



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<b>LEMWM18880*G: 640mA (typical current), 1280mA (max current)</b>												
18880@700mA	700	34	38	ERP030W-0700-38.5	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	26.95	29	35.8	38.5
				ESM030W-0700-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
				ESS030W-0700-39	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	27.3	27	35.1	39
18880@800mA	800	34	38	ERP040W-0800-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	800	33.6	31.5	39	42
				ESM040W-0800-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
				ESP040W-0800-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
18880@850mA	850	34	38	ERP040W-0850-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	850	35.7	31.5	39	42
				ESM040W-0850-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
				ESP040W-0850-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
18880@900mA	900	34	38	ERP040W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42
				ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
				ESP040W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
18880@1000mA	1000	34	38	ELM040W-1000-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1000	38.0	24	34.2	38
18880@1050mA	1050	34	38	ERM050W-1050-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1050	44.1	32	37.8	42
				ERP040W-1050-38	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	1050	39.9	28.5	35.3	38
				ESM050W-1050-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
				ESP050W-1050-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
18880@1200mA	1200	34	38	ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
				ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
				ESP050W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
18880@1250mA	1250	34	38	ERM060W-1250-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1250	52.5	32	37.8	42



LEMWM18880\*G