



**Features**

- ✓ CRI>80
- ✓ Elegant Light
- ✓ No Flicker UGR<19
- ✓ Independent module
- ✓ External driver

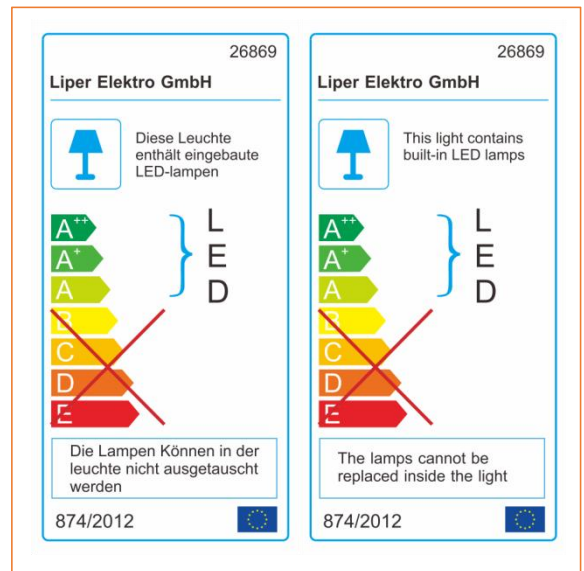
**Benefits**

- ✓ High Energy Saving
- ✓ High Efficiency
- ✓ Eye Protection
- ✓ Long Life Time
- ✓ Private Mold

**Application**



**Certificate**



**Specifications**

Item Number	Power (W)	Power Factor	Dissipation Factor	Lumen (lm)	Efficiency (lm/W)	CRI	Color Temperature	Life Time (hrs)
LPFL-250MT01	250W	>0.9	>0.9	30000LM	120lm/w	>80	WW/CW/NW	50000
LPFL-500MT01	500W	>0.9	>0.9	60000LM	120lm/w	>80	WW/CW/NW	50000
LPFL-750MT01	750W	>0.9	>0.9	90000LM	120lm/w	>80	WW/CW/NW	50000
LPFL-1000MT01	1000W	>0.9	>0.9	120000LM	120lm/w	>80	WW/CW/NW	50000



## Initial Performance (IEC Compliant)

Luminous Flux Tolerance	+/-10%
Power Consumption Tolerance	+/-10%

Item 1 Driver Part	Parameter Range			
	250W	500W	750W	1000W
Input Voltage (VAC)	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Input Frequency (Hz)	50/60Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input Current (mA)	3.2A	3.2A X2	3.2A X3	3.2A X4
Output Current	42V	42V X2	42V X3	42V X4
Output Voltage	5.3A	5.3A X2	5.3A X3	5.3A X4
Output Wattage (W)	222W	222W X2	222W X3	222W X4
Power Range	250W	500W	750W	1000W
Power Factor	>0.9	>0.9	>0.9	>0.9
Dissipation Factor	>0.9	>0.9	>0.9	>0.9
Total Harmonic Distortion (THD) (%)	<25%	<25%	<25%	<25%
Color Temperature Adjustment Method	-	-	-	-
Dimming Method	-	-	-	-
Sensor Method	-	-	-	-
Smart Control Method	-	-	-	-
Emergency Duration	-	-	-	-
Emergency Wattage	-	-	-	-
Item 2 Lamp	Parameter Range			
	250W	500W	750W	1000W
Lamp Material	ADC12	ADC12	ADC12	ADC12
Optical Materials	PC	PC	PC	PC
LED	SMD2835	SMD2835	SMD2835	SMD2835
LED Quantity and Arrangement	7S56P	7S56P X2	7S56P X3	7S56P X4
Color Temperature (CCT)	3000	3000	3000	3000
	4000	4000	4000	4000
	6500	6500	6500	6500
Color Rendering Index (CRI)	>80	>80	>80	>80



Standard Deviation of Color Matching (SDCM)	<6	<6	<6	<6
Beam Angle (0-180)	60°	60°	60°	60°
Perceptibility of Stroboscopic Effects (PST)	<1	<1	<1	<1
Stroboscopic Visibility Measure (SVM)	<0.4	<0.4	<0.4	<0.4
UGR	-	-	-	-
Total Luminous Flux	30000 lm	60000 lm	90000 lm	120000 lm
<b>Item 3 Reliability</b>	<b>Parameter Range</b>			
	<b>250w</b>	<b>500w</b>	<b>750w</b>	<b>1000w</b>
Lamp Lifetime (@Ta=25°C) (L70B50)	50000H	50000H	50000H	50000H
Warranty	3Years	3Years	3Years	3Years
Environment Temperature Range	-25~+50°C	-25~+50°C	-25~+50°C	-25~+50°C
Storage Temperature Range	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Lumen Maintenance (6000h)	>90%	>90%	>90%	>90%
<b>Item 4 Safety</b>	<b>Parameter Range</b>			
	<b>250W</b>	<b>500w</b>	<b>750w</b>	<b>1000w</b>
Lamp Holder	-	-	-	-
IK	IK08	IK08	IK08	IK08
Ingress Protection	IP66	IP66	IP66	IP66
Against Electric Chock (I/II/III)	Class I	Class I	Class I	Class I
Flame Retardant Grade	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
Surge	L-N	4KV	4KV	4KV
	LN-PE	6KV	6KV	6KV
Hi-POT (Withstanding Voltage)	1.5KV	1.5KV	1.5KV	1.5KV
Certification	CE	CE	CE	CE

### Dimensional Drawing

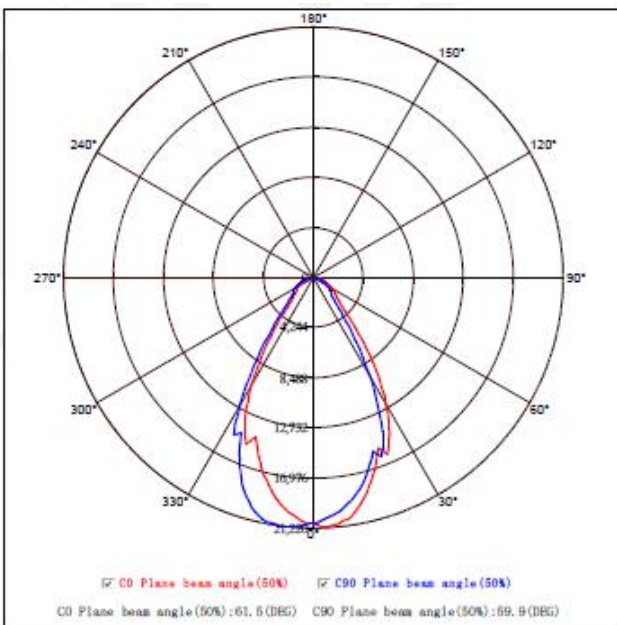
Item No	Power	Lamp Size (mm)	Cut out Size (mm)	Net Weight (kg)
LPFL-250MT01	250W	254.9x522.7x66.8	-	3.45
LPFL-500MT01	500W	430.4x522.7x66.8	-	6.3
LPFL-750MT01	750W	580.4x522.7x66.8	-	9.4
LPFL-1000MT01	1000W	755.9x522.7x66.8	-	11.9



**Packing Data**

Item No	PCS/CTN	Gross Weight KG	Net Weight KG	Length CM	Width CM	Height CM
LPFL-250MT01	3	11.2	10.4	54.5	27.5	24.5
LPFL-500MT01	2	13.8	12.6	54.5	45.0	16.5
LPFL-750MT01	1	10.5	9.4	53.5	59.5	7.5
LPFL-1000MT01	1	13.2	11.9	53.5	77.0	7.5

**Planar Intensity Distribution Curve**



**Average Illumination**

