

LED Power Light Engines

CML offers a range of LED-powered light engines/modules, with output ranging from 3W to 14W, in a wide range of styles and shapes. Designed to support customers with little or no knowledge of LED technology, these light engines include everything required to make LEDs easy to use. Applications range from reading lights, point-of-sale displays, and architectural and landscape lighting, to task lighting, and other applications where energy efficiency is important and long service life is available.



Features ▶

- Wide range of power outputs
- Wide range of colors
- Easy to use

Benefits ▶

- Energy efficient
- Unit is ready to use
- Heat management available
- Power drivers available

Applications ▶

- Decorative edge lighting
- Cove lighting
- Architectural lighting
- Task lighting
- Point-of-purchase lighting
- Cabinet and display case lighting



ILL3A0004 9W

Product Specifications ▶

Part Number	Type	Color	Color Temp. (°K)	Wavelength (nm)	Voltage (V)	Power Consumption (W)	Lens Type	Viewing Angle (θ)	Luminous Flux (lm)	Luminous Intensity (Lux @ 1m)	Markets
ILL5A0001A	Dimmable light engines*	Warm white	6,400	NA	10-30 VAC/VDC	5	NA	40	60	NA	CL FL TR BL SI
ILL5A0001B		Cool white	3,300	NA	10-30 VAC/VDC	5	NA	40	54	NA	CL FL TR BL SI
ILL5A0002B or J	Light engines*	Cool white	6,400	NA	10-30 VDC	4	NA	5 or 25	58	NA	CL FL TR BL SI
ILL5A0002C or K		Warm white	3,300	NA	10-30 VDC	4	NA	5 or 25	50	NA	CL FL TR BL SI
2410F79		Cool white	6,400	NA	24 VDC	15	NA	120	450	NA	CL FL TR BL SI
ILL3A0001A or H	1-LED light engines**	Cool white	6,400	NA	NA	2.8	NA	5 or 25	64	NA	CL FL TR BL SI
ILL3A0001 B or I		Warm white	3,300	NA	NA	2.8	NA	5 or 25	40	NA	CL FL TR BL SI
ILL30003A or H	3-LED light engines**	Cool white	6,400	NA	NA	3.8	NA	11 or 24	96	NA	CL FL TR BL SI
ILL30003B or I		Warm white	3,300	NA	NA	3.8	NA	11 or 24	48	NA	CL FL TR BL SI
ILL3A0004A or H		Cool white	6,400	NA	NA	8.4	NA	6 or 25	192	NA	CL FL TR BL SI
ILL3A0004B or I		Warm white	3,300	NA	NA	8.4	NA	6 or 25	120	NA	CL FL TR BL SI
ILL3A0002A or H	5-LED light engines**	Cool white	6,400	NA	NA	14	NA	6 or 25	320	NA	CL FL TR BL SI
ILL3A0002B or I		Warm white	3,300	NA	NA	14	NA	6 or 25	200	NA	CL FL TR BL SI
ILL2A0005A	6-LED light engines**	Cool white	6,400	NA	NA	7.5	NA	120	240	NA	CL FL TR BL SI
ILL2A0005B		Warm white	3,300	NA	NA	7.5	NA	120	120	NA	CL FL TR BL SI

MARKETS LEGEND

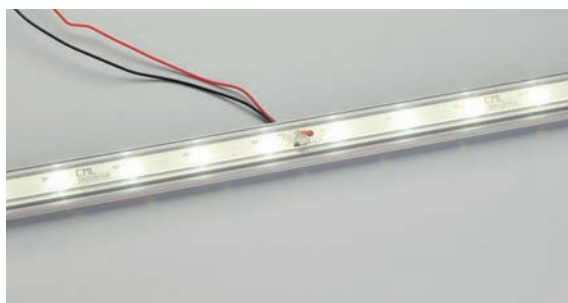
CL COMMERCIAL LIGHTING FL FLASHLIGHTS TR TRANSPORTATION BL BACKLIGHTING SI SIGNAGE

*Contains internal driver circuitry and requires only correct voltage input for usage

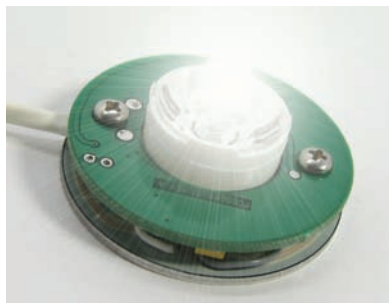
**Please refer to CML page in the Driver section for appropriate power management selection

Featured Product ▶

Contact Arrow to ask about CML's power light engine prototyping kit, specially created for designers and engineers trying out LED technology for the first time. Available with a variety of the products described above.



2410F79 15W



ILL5A0002 3W



ILL5A0001 5W

CML Innovative Technologies

CML offers a number of voltage-to-current drivers/ballasts that are ideal for CML's line of LED light engines. These LED drivers convert a voltage power supply and output a constant current to the LED modules over a specific voltage range.



Features ▶

- Constant current outputs
- Drive from 1-16 LEDs
- Wide input voltage range
- Some models with PWM dimming
- Custom current outputs are available upon request

Benefits ▶

- Compact size
- High reliability
- Short circuit and overload protection
- Ideal for use with CML LED modules

Applications ▶

- Architectural and landscape lighting
- Task, track, and cabinet lighting
- Point of purchase and display case lighting
- Interior lighting



PS0006-PS0010

Product Specifications ▶

Part Number	Type	Dimming Type	Size (L x W x H) (Inches)	Max. # of LEDs	LED Configuration	Input Voltage (V)	Output Voltage (VDC)	Max. Output Current (mA)	Input Frequency (Hz)	Electrical Isolation	Product Compliance	Temperature Range (°C)	Markets
PS0001	DC/DC	NA	1.74 diameter x 0.3	3	Series	10-30	NA	350	50/60	NA	NA	-20 to +60	CL FL TR BL SI
PS0002		NA	1.74 diameter x 0.3	1	NA	10-30	NA	700	50/60	NA	NA	-20 to +60	CL FL TR BL SI
PS0003		NA	1.74 diameter x 0.3	3	Series	10-30	NA	600	50/60	NA	NA	-20 to +60	CL FL TR BL SI
PS0004	DC/DC, AC/DC	PWM	1.88 diameter x 0.55	3	Series	10-30	NA	350	50/60	NA	NA	-20 to +60	CL FL TR BL SI
PS0005		PWM	1.88 diameter x 0.55	1	NA	10-30	NA	700	50/60	NA	NA	-20 to +60	CL FL TR BL SI
PS0006	AC/DC	NA	1.7 x 1.65 x 0.9	2	Series/parallel	100-240 VAC	NA	350	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0007		NA	1.7 x 1.65 x 0.9	1	NA	100-240 VAC	NA	700	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0008		NA	4.05 x 1.5 x 1.06	8	Series/parallel	120 VAC	NA	350	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0009		NA	4.05 x 1.5 x 1.06	4	Series/parallel	120 VAC	NA	700	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0010		NA	5.39 x 1.65 x 1.14	16	Series/parallel	120 VAC	NA	700	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0011		NA	5.39 x 1.65 x 1.14	8	Series/parallel	120 VAC	NA	350	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0012		NA	2.6 x 1.38 x 1.06	5	Series/parallel	100-240 VAC	NA	350	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI
PS0013		NA	2.6 x 1.38 x 1.06	2	Series/parallel	100-240 VAC	NA	700	50/60	NA	C-UR/CE	-20 to +60	CL FL TR BL SI

MARKETS LEGEND

CL COMMERCIAL LIGHTING FL FLASHLIGHTS TR TRANSPORTATION BL BACKLIGHTING SI SIGNAGE



Multiple LED Driver Module

1.88" diameter
0.48" highest component
dimension including PCB



Single LED Driver Module

1.74" total diameter
0.88" inner diameter
0.24" highest component
dimension including PCB