

LS700 Linear LED Engine



Product Overview:

The LS700 is a high output linear light engine to support demanding down lighting and architectural lighting applications. The strips are 12" long by 1" in width and designed with 6 Cree XPE2 or XPG2 family of LEDs. The LEDs and drive electronics are mounted on an aluminum PCB to support excellent thermal management in high power configurations. The LS700 can be supplied with optional collimating optics for wall wash, cove and other linear lighting applications where beam control is required.

Standard fixed voltage 24VDC power supplies can be used to power the LS700 which provides constant current to the LEDs with its on-board driver. Up to 4 LS700's can be connected in series. The LS700 may be dimmed using a PWM dimmable power supply or via a separate 0-10V dimming interface. Four #4 screw holes are provided for mounting to host fixture heat sink. Thermal grease or thermally conductive tape/pad may be used to support heat transfer to host fixture.

Features:

- 24VDC Input Voltage
- 6 LEDs with 2" spacing
- 0-100% Dimming: PWM or 0-10V
- Dimensions: 11.7:L x 1.0"W
- Compatible with 22mm diameter optics
- 0.064" Thick Aluminum PCB
- 540 – 1,330 lumens (see page 2)
- Will support up to 4 connected arrays
- On-board constant current driver
- Push-in Wire Connectors (optional)
- Reverse Polarity Protection
- May be mounted with thermally conductive, electrically insulating tape
- Optional screw holes

Applications:

- Linear Down Lights
- Wall Washing
- Cove Lighting
- Back Lighting
- Under Cabinet Lighting
- Display Case Lighting
- Point of Purchase Lighting
- Automotive and Marine Lighting

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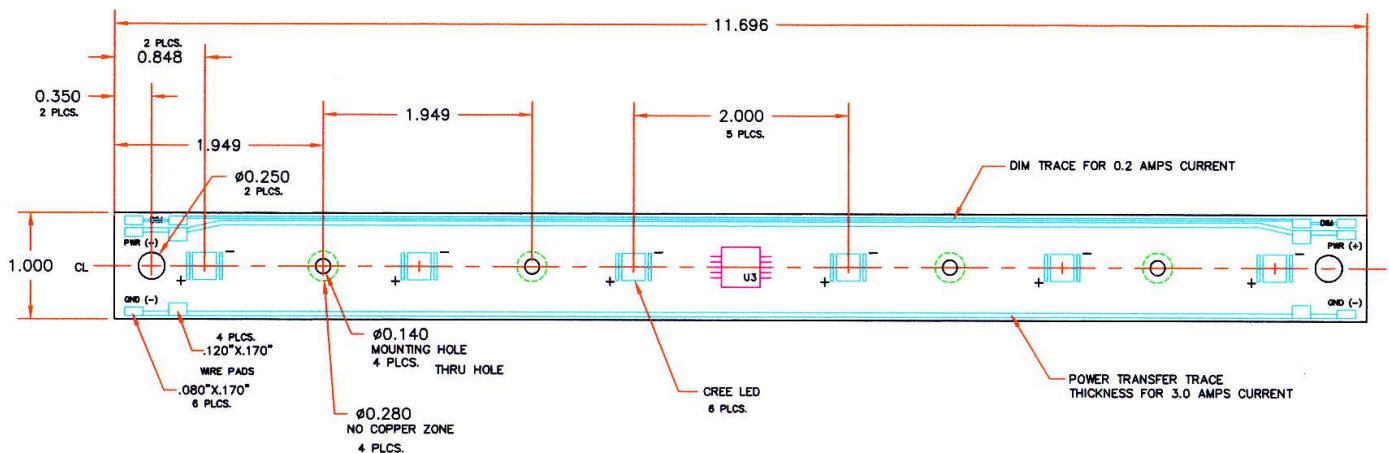
Part Numbers:

Part Number	LED Type	Color Temperature	CRI (Typ)	LED Drive Current (mA)	Luminous Flux	Power
LS700-E2-30-35	XPE2	3000K	80	350	540	7W
LS700-E2-30-70	XPE2	3000K	80	700	910	15W
LS700-E2-40-35	XPE2	4000K	75	350	600	7W
LS700-E2-40-70	XPE2	4000K	75	700	1020	15W
LS700-E2-50-35	XPE2	5000K	75	350	640	7W
LS700-E2-50-70	XPE2	5000K	75	700	1080	15W
LS700-G2-30-35	XPG2	3000K	80	350	680	7W
LS700-G2-30-70	XPG2	3000K	80	700	1160	15W
LS700-G2-40-35	XPG2	4000K	75	350	730	7W
LS700-G2-40-70	XPG2	4000K	75	700	1240	15W
LS700-G2-50-35	XPG2	5000K	75	350	780	7W
LS700-G2-50-70	XPG2	5000K	75	700	1330	15W

Characteristics:

- Input voltage (Max): 26 VDC
- Input voltage (Min): 22 VDC
- Operating Temperature: -40 to +90C

Dimensions:



LS700 with Optics



The LS700 is compatible with wide selection of collimating optics (with holder <22mm in diameter) that can be adhered to the board (optics with adhesive backing or applied epoxy):

- Ledil: Leila series (ex: 8°, 10°, 23°, 43°)
- Fraen: FCP series (ex: 9°, 23°, 33°)
- (Other optics manufacturers)

*LED Specialists will provide LS700 with selected optical elements upon request