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FTL-5-LED-ILC-5

LED Drop Light/Task Light - 28 Watts - 5' Cord - 5' Tube - Daisy Chain Connections

Product ID: 72681

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: FTL-5-LED-ILC-5

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

FTL-5-LED-ILC-5 LED Task Light w/5` Cord

Lamp Type: T8 LED Tube
Dimensions: 60"
Weight: 5 lbs
Voltage: 120-277 Volts AC, 50/60Hz or 11-25V AC/DC
Total Watts: 28 watts
Total Lumens: 3,500
Luminous Efficacy: 125 Lm/W
Lamp Life Expectancy: 50,000+ Hours
Color Temp: 5600K
Color Rendering Index: >80
Beam Angle: 150°
Power Efficiency: 90%
Power Factor: >0.95
Cord Cap: 5-15, L5-15, L6-15 or Pigtail
Ambient Operating Temp : -20°C to +85°C
Mounting: C Hooks / Hand Held
Wiring: 5` 16/2 SOOW w/ Cord Cap - 5` cord w/ Female Plug

Ratings

Wet Area Approved
Food Safe
50,000+ Hours Lamp Life
End-to-End Daisy Chain Capable
High Output LED Lamp
Internal LED Driver - No Ballasts
Fluorescent Style LED Tube
5` SOOW Cable w/ Industrial Plug
Ships w/ Hanging Hooks
Custom Cord Cap Options Available

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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Made in the USA

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The Larson Electronics FTL-5-LED-ILC-5 28 watt LED drop light with end to end connectors is ideal in practically any environment including but not limited to: general maintenance, construction, aircraft interior, emergency shelter, long narrow pathways, ship yards, etc. These lights are also suitable for civilian and military shelter units. The LED lamp in these drop lights offer much longer lamp life, cooler operation, higher durability, and better light quality than incandescent drop lights.

Constructed to be completely weather and impact resistant, this LED drop light sacrifices no light output or quality to obtain these features. The Larson Electronics FTL-5-LED-ILC-5 is shock resistant, making it durable enough to withstand drops, falls, and rough handling. Equipped with a 50,000 hour LED T8 lamp, this LED drop light is designed to operate at cooler operating temperatures than conventional incandescent and fluorescent lights to reduce the chance of fire and burns. The built-in reflector provides a wide, glare free, and shadow-less light field of bright white light.

The FTL-5-LED-5 is equipped with an LEDT8-28W-V1 T8 bulb from Larson Electronics, which produces 3,500 lumens and requires no ballast to operate. The lightly frosted lens diffuses the light and makes this bulb ideal for food safe environments as there is no glass. The nylon housing provides rigidity and strength for this LED bulb. These universal voltage fluorescent style LED bulbs run on voltage ranging from 120-277V AC and 11-25V AC/DC.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge







Multiple units can be linked end-to-end via daisy chain connections as shown in the images above.

We have eliminated the ballast normally associated with fluorescent fixtures which reduces overall weight and overall complexity of the task light. There is no ballast in this unit and the included LED lamps have a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. These fluorescent LED lamps have internal drivers, eliminating external power components. The solid state design of the LED lamps give this fixture superior resistance to damage from vibration, extremes in temperature and a lamp service life over twice that of standard fluorescent bulbs. This second generation lamp is offered in 5600K cool white color temperature.

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

Mounting: This drop light comes standard with a set of drop hooks to allow users to conveniently hang the unit overhead anywhere illumination is needed. The FTL-5-LED-ILC-5 is equipped with 5 foot of cable, making this drop light versatile and provides the operator with plenty of length for moving the light around the workspace. Each light is equipped with a 5` whip terminated in a female connector to allow end to end connections. These LED lights are ideal for temporary illumination where daisy chain setups are preferred.

Voltage: The internal driver in this unit provide the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These light towers can operate on current ranging from 100 to 277V AC for high voltage models or 11 to 25V AC/DC for low voltage models without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in electrical systems which would otherwise result in burning up or premature LED failure without it.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated

Wiring and Plug: This portable LED task lighting system is equipped with 5 foot of 16/2 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets and NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

LED Lamp Benefits

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1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off – No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.

Energy Consumption Comparison

	Incandescent	T8	LED
Wattage	100 watts	17 watts	28 watts
Amp Draw @ 120V AC	0.84 amps	0.15 amps	0.23 amps
Amp Draw @ 220V AC	0.46 amps	0.08 amps	0.13 amps
Amp Draw @ 240V AC	0.42 amps	0.07 amps	0.12 amps
Amp Draw @ 277V AC	0.37 amps	0.06 amps	0.10 amps
Amp Draw @ 12V DC	8.34 amps	1.42 amps	2.33 amps
Amp Draw @ 24V DC	4.17 amps	0.71 amps	1.17 amps
Lamp Life Expectancy	1,500 hours	9,000 hours	50,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	$52.56	$8.94	$14.72

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Frequently Asked Questions (FAQ)

There are no Faqs

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Product ID: 72681

Warranty: 36 Months.

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

FTL-5-LED-ILC-5-Cord Cap-Voltage
Example: FTL-5-LED-ILC-5-5 15-120 277

Cord Cap	
5 15 STRAIGHT	-5 15
L5 15 TWIST	-L5 15
L6-15 TWIST	-L6 15
PIGTAIL	-PT

Voltage	
120 277V AC	-120 277
11 25V AC/DC	-11 25

Links (Click on the below items to view):

- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/72681.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/72681.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/72681.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/72681.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/72681.ZIP)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/72681.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/72681.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/72681.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/72681.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/72681.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/72681.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/72681.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/72681.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/72681.JPG)
- **Video1**(https://www.youtube.com/watch?v=6NjPvb--nYo)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)