

LOW VOLTAGE
LED PREMIUM
LIGHTING PRODUCTS

Thin-Lite[®]

ISO 9001 Certified Company
www.thinlite.com

***Get everything You Need in LEDs
Lighting from One Convenient Source!***

Thin-Lite Corp. offers over 200 LED fixtures in low voltage 8 - 12VDC versions. As the only US based manufacturer of low volt fluorescent and now LED lighting, we provide technical, engineering, and design assistance to satisfy all your lighting requirements. Custom features are available. Send specifications to thinlitesales@thinlite.com for quotation.

Ordering — *Five Fast Ways to Order*

- 1) Phone 2) Fax 3) EDI
- 4) Mail - 530 Constitution Ave. Camarillo, CA.
93012
- 5) thinlitesales@thinlite.com
- 6) Website- www.thinlite.com

Shipping — FEDEX, UPS, LTL, TL, Container

Stock items ship within 72 hours. Allow two-week lead time for special order items.

Payment — *Four Payment Methods*

- 1) Check
- 2) VISA, MASTERCARD or DISCOVER
- 3) C.O.D.
- 4) Wire transfer

Warranty — *3 Year Renewable*

Limited lifetime warranty for original purchaser.



Lighting products designed by Thin-Lite are proudly manufactured in America with domestic & imported parts.

LED PREMIUM
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Dave Szymanek, (May 1, 1943 - Dec. 31, 2010), President of Thin-Lite Corporation, at the time of this picture, he proudly accepts the "E" Award for Excellence in Exports from President Ronald Reagan in the Rose Garden of the White House in 1984.

Thin-Lite Corporation pioneered fluorescent lights for the RV market in 1969. Sure, there were other fluorescents on the market in 1969, but nobody could match the durability and brightness of Thin-Lite Products.

Today we are the leaders in the development and manufacture of 12 volt DC lighting for industry, trucking and recreational vehicles. Our all-aluminum housings are corrosion and rust resistant.

We are proud to Announce our newest line of products; Our LED PREMIUM. This line offers the maximum light output at low amp levels! We offer these in almost all our fluorescent model and we will customize for any of our customer needs.

When you have over ten million Thin-Lites in use, you are sure to hear from your customers.

We have received praise from owners, manufacturers and dealers both for the quality of our products and our after-sales service.

Over the years the engineers at Thin-Lite Corporation have striven for continual Improvement. They have continued to test and refine the latest technology to meet tomorrow's lighting needs.

In 1981, Thin-Lite Corporation introduced low Voltage Low Pressure Sodium lights for use in conjunction with photovoltaic, where grid power is unavailable. Typical applications include warehouse, security and street lighting in remote areas. In 1999 Thin-Lite Corporation introduced the 650 and 760 series Elegant light fixtures. In 2002, 620 series, 500 series and VFI 15, 199PL models we added in our production line.

Thin-Lites are recognized and in demand worldwide. Whether in the Sahara, the middle of the jungle, or atop remote peaks in the Alps, Thin-Lites have been found dependable and efficient. In appreciation of this outstanding representation of American know-how, President Ronald Reagan awarded the Presidential "E" Award for Excellence in Exports to Thin-Lite Corporation in 1984.

At Thin-Lite we will continue our efforts to produce the finest quality and most efficient lighting for a variety of lighting needs worldwide.

We can design and build to customer requirements. We look forward to serving you.

Thin-Lite's Circuline series offer years of reliable, virtually maintenance free service while delivering maximum light output at minimal amp draw. Designs are complemented by opaque white or prismatic diffuser lenses, white powder coated aluminum housings, and attractive wood grain trim. Model LED109C and Model LED109CXL have round housings. Model 109S is supplied with square housing. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED109CP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	9.5" Dia. X 1.75"
Weight	0.70 lbs.
Lens	Opaque White



Model No.	LED109CXLP/109CAXLP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	9.5" Dia. X 1.75"
Weight	0.70 lbs.
Lens	Clear or Amber Acrylic



Model No.	LED109SP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	9.5" Square X 1.75"
Weight	0.70 lbs.
Lens	Opaque White



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LED Original Circuline Rev 1 9/06/12

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LED PREMIUM version of The ORIGINAL FLUORESCENT DUAL Light Surface Mount Fixtures

Thin-Lite's LED Original Dual surface mount fixtures are designed for high light output with low amp draw. They offer years of reliable, virtually maintenance free service. Equipped with Non-yellowing diffuser lens with or without wood grained trim and white powder coated aluminum housings. LED126 comes only in wood-grain trim. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED112P/ 112NTP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	12.25" L X 5.5" W x 1"
Weight	0.60 lbs.
Lens	White with Wood-grain Trim or NO trim



Model No.	LED116P/116NTP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	18" L x 5.625" W x 1.375"
Weight	0.90 lbs.
Lens	White with Wood-grain Trim or NO trim



Model No.	LED126P
Watts	5.76/19.2
No. of LEDs	96
Amp Draw @ 12VDC	0.48/1.6
Equivalent Lumens	960/3200
Dimensions	21.312" L x 5.5" W x 1"
Weight	0.95 lbs.
Lens	White with Wood-grain Trim



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LED Original Dual Rev 1 9/06/12

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Thin-Lite's LED surface mount fixtures are designed for high light output with low amp draw. They offer years of reliable, virtually maintenance free service. Equipped with Non-yellowing diffuser lens with or without wood grained trim and white powder coated aluminum housings. LED115 comes with white or black housing. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED111P/ 111NTP
Watts	1.44/4.8
No. of LEDs	24
Amp Draw @ 12VDC	0.12/0.40
Equivalent Lumens	240/800
Dimensions	12.25"L x 4.125"W x 1"
Weight	0.50 lbs.
Lens	White with Wood-grain Trim or NO trim



Model No.	LED115P /115BKP
Watts	2.16/7.2
No. of LEDs	36
Amp Draw @ 12VDC	.18/.6
Equivalent Lumens	360/1200
Dimensions	18"L x 4"W x 1.375"
Weight	0.60 lbs
Lens	White



Model No.	LED125P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	21.312"L x 4.125"W x 1"
Weight	0.75 lbs.
Lens	White with Wood-grain Trim



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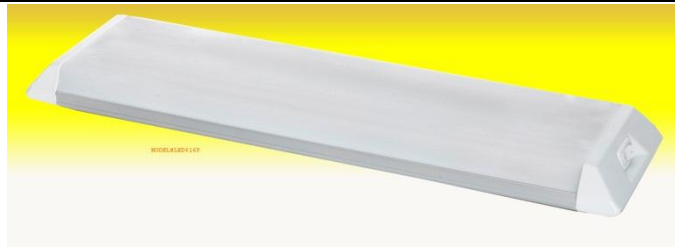
LED PREMIUM version of The 600 Elegant Surface Mount Fixtures

Thin-Lite's LED 600 Elegant surface mount fixtures provide efficient lighting for elegant interiors. They are easy to install in ceilings and under cabinets. They provide the "custom made" look. Equipped with Non-yellowing diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED612P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	14.937"L x 5.53"W x 1.57"
Weight	1.30 lbs.



Model No.	LED616P
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	20.625" x 5.53" x 1.57"
Weight	1.70 lbs



Model No.	LED652
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	16.843" L x 7.30"W x 1.56"
Weight	1.00 lbs.



Model No.	LED656
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	22.652"L x 7.30"W x 1.56"
Weight	1.40 lbs.



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LED 600 series Rev I 9/06/12

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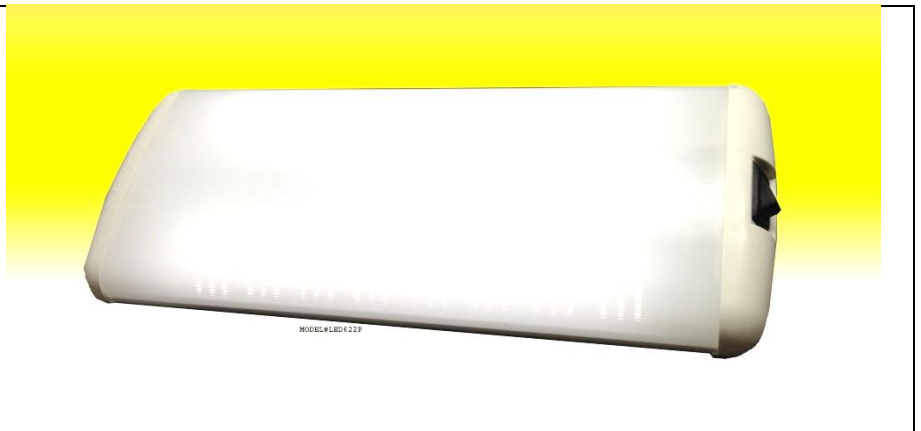
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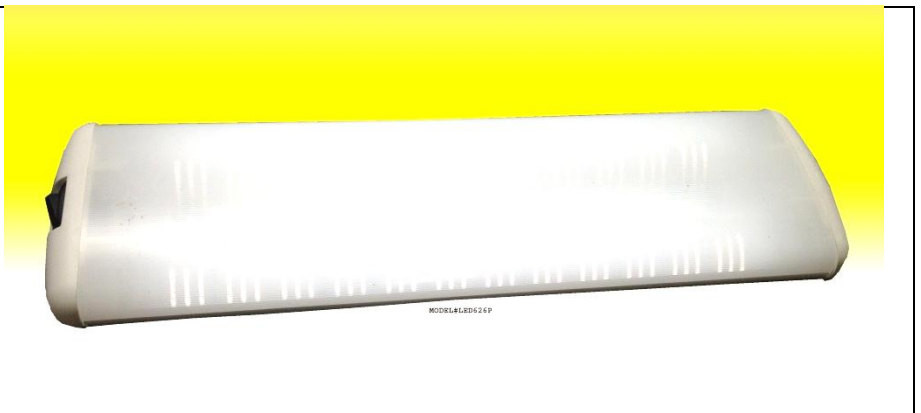
LED PREMIUM version of The 620 Elegant Surface Mount Fixtures

Thin-Lite's LED low profile 620 series surface mount fixtures are designed for high light output with low amp draw. They are 1.5" deep, light weight with contoured design for mounting on curved or flat surfaces. They provide the "custom made" look. Equipped with Non-yellowing diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED622P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	8-30VDC
Model No.	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	14"L x 5.6"W x 1.5"
Weight	0.80 lbs.
Dimming Levels	2
LED Life	100,000 Hrs
Lens	Semi-Clear White



Model No.	LED626P
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	8-30VDC
Model No.	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	19.7"L x 5.6"w x 1.5"
Weight	1.10 lbs
Dimming Levels	2
LED Life	100,000 Hrs
Lens	Semi-Clear White



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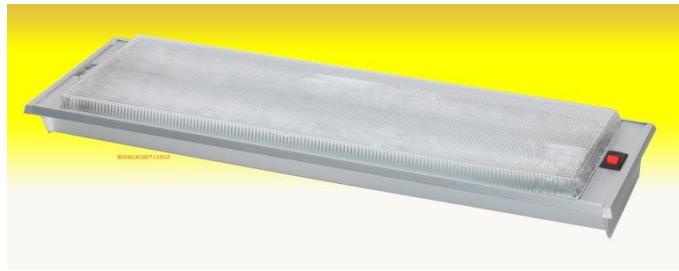
LED PREMIUM version of The 700 Commercial Grade Recessed Mount

Thin-Lite's LED 700 Commercial Grade recessed mount fixtures provide efficient lighting for elegant interiors. They are easy to install in ceilings and under cabinets. They provide the "custom made" look. Non-yellowing semi-clear white for diffuser lens 740 series and acrylic diffuser lens for the 710 series. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

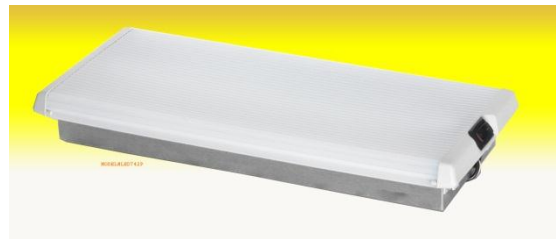
Model No.	LED712XLP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	14.75"L x 6.625"W x 2.00"
Opening Dimensions	14.25"L x 5.313"W x 1.25"
Weight	1.70 lbs



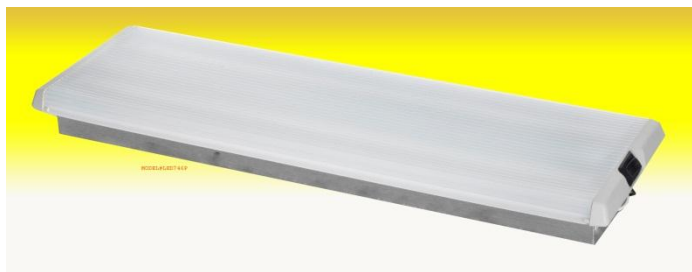
Model No.	LED716XLP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	20.625"L x 6.625"W x 2.00"
Opening Dimensions	20.125"L x 5.313"W x 1.25"
Weight	2.30 lbs



Model No.	LED742P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	13.375"L x 6.125"W x 1.75"
Opening Dimensions	12.375"L x 4.75"W x 1.00"
Weight	0.80 lbs



Model No.	LED746P
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	19.125"L x 6.125"W x 1.75"
Opening Dimensions	18.125"L x 4.75"W x 1.00"
Weight	1.10 lbs



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LED 700 series Rev 1 9/06/12

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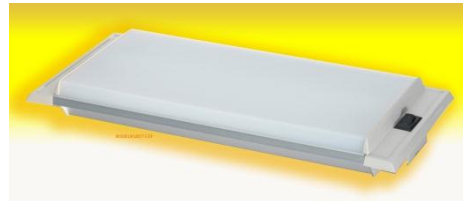
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LED PREMIUM version of The 700 Euro-Style Recessed Mount Fixtures

Thin-Lite's LED 700 Euro-Style recessed mount fixtures provide efficient lighting for elegant interiors. They are easy to install in ceilings and under cabinets. They provide the "custom made" look. 736XL comes with clear prismatic diffuser lens for maximum light output. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

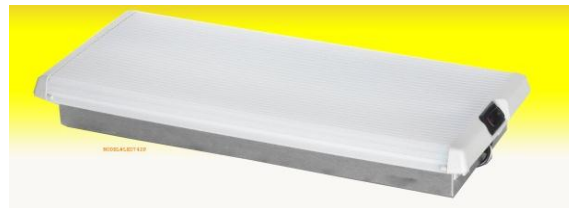
Model No.	LED732LP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	14.75"L x 6.625"W x 1.75"
Opening Dimensions	13.50"L x 5.25"W x 1.00"
Weight	1.40 lbs.



Model No.	LED736P / LED736XLP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	20.531"L x 6.625"W x 1.75"
Opening Dimensions	19.25"L x 5.25"W x 1.00"
Weight	2.00 lbs.



Model No.	LED762P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	16.125" L x 7.30"W x 1.75"
Opening Dimensions	12.25"L x 4.75"W x .937"
Weight	1.00 lbs.



Model No.	LED766P
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	21.825"L x 7.30"W x 1.75"
Opening Dimensions	18.125"L x 4.75"W x .937"
Weight	1.30 lbs.



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LED 700-1 series Rev 1 9/06/12

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LED PREMIUM version of The 160 Outdoor Surface Mount Fixtures- Weatherproof

Thin-Lite's LED 160 Outdoor surface mount weatherproof fixtures provide efficient lighting for side and rear mounting. They provide superior security and area lighting for alternative energy sites, entry doors, and toy hauler ramps. All models are supplied with clear or amber diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED1607C
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	7.750"L x 3.80"W x 2.75"
Weight	1.00 lbs.



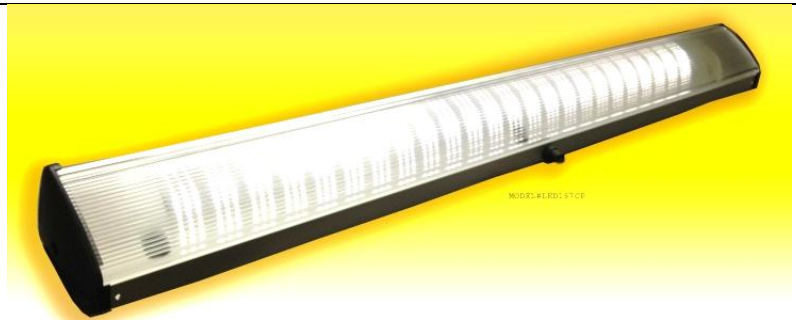
Model No.	LED162AP/162CP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	12.875"L x 3.80"W x 2.75"
Weight	1.10 lbs.



Model No.	LED163CP
Watts	2.16/7.2
No. of LEDs	36
Amp Draw @ 12VDC	.18/.6
Equivalent Lumens	360/1200
Dimensions	18.5"L x 3.80" x 2.75"
Weight	1.70 lbs.



Model No.	LED167CP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	36.5"L x 3.80"W x 2.75"
Weight	3.30 lbs.



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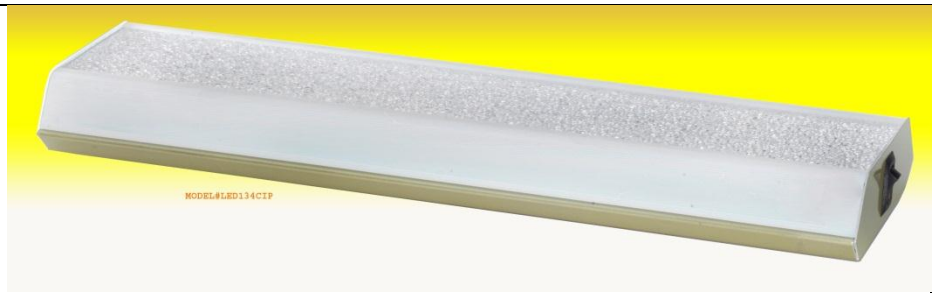
LED PREMIUM version of The 130 ST. Surface Mount Fixtures

Thin-Lite's LED ST 130 series features powder coated aluminum housings and acrylic diffuser lens. They deliver even, non-glare, lighting to ensure a stress free work environment. No hot-spots or eye strain. Decorative Cracked Ice lenses and gold housings are supplied on Model 130CI and Model 134CI. Plain lens and gold finish is standard on model 138. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED130WP
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	12"L x 5.375"W x 1.75"
Weight	0.80 lbs



Model No.	LED134WCIP/134CIP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	18"L x 5.375"W x 1.75"
Weight	1.20 lbs



Model No.	LED138WP
Watts	5.76/19.2
No. of LEDs	96
Amp Draw @ 12VDC	0.48/1.6
Equivalent Lumens	960/3200
Dimensions	24"L x 5.375"W x 1.75"
Weight	1.20 lbs



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LED PREMIUM version of The 170-0 Low Profile Surface Mount Fixtures

Thin-Lite's LED 170-0 Low Profile surface mount fixtures provide efficient lighting for areas that require light but have limited mounting space. They are easy to install and fit nicely under cabinets and around mirrors. Clear Acrylic diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models. All fixtures are available with Black or Oyster End-caps.

MODEL NO.	WATTS	NO. of LEDs	Amp Draw at 12VDC	Equivalent Lumens	Dimensions	Weight
LED 1713BK	1.44/4.8	24	0.12/0.40	240/800	13.25L x 2.5W x 1.25"	0.60 lbs



LED 1718BK	2.16/7.2	36	0.18/0.6	315/1050	18.25L x 2.5W x 1.25"	0.70 lbs
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LED 1723BK	2.88/9.6	48	0.24/0.80	480/1600	23.25L x 2.5W x 1.25"	0.90 lbs
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LED 1733BK	4.32/14.4	72	0.4/1.25	720/2400	33.25L x 2.5W x 1.25"	1.25 lbs
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LED 1743BK	5.76/19.2	96	.48/1.6	960/3200	43.25L x 2.5W x 1.25"	1.60 lbs
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LED 170-1 series Rev 1 9/06/12

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LED PREMIUM version of The 190-0 HI-Efficiency Surface Mount Fixtures

Thin-Lite's LED 190-0 HI-Efficiency surface mount fixtures provide efficient and compact alternatives. They are easy to install and used in applications which include commercial and industrial vehicles. Clear Acrylic diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models. All fixtures are available with Black or Oyster End-caps.

MODEL NO.	WATTS	NO. of LEDs	Amp Draw at 12VDC	Equivalent Lumens	Dimensions	Weight
LED 1913BK	1.44/4.8	24	0.12/0.40	240/800	13.25L x 2.5W x 2.5"	0.70 lbs.



LED 1918BK	2.16/7.2	36	0.18/0.6	315/1050	18.25L x 2.5W x 2.5"	0.90 lbs.
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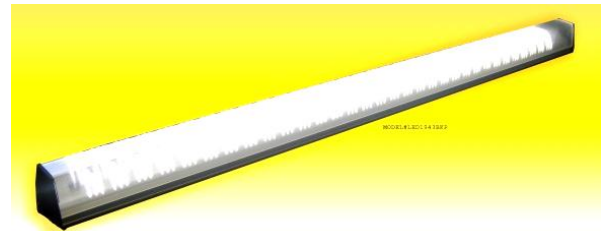
LED 1923BK	2.88/9.6	48	0.24/0.80	480/1600	23.25L x 2.5W x 2.5"	1.10 lbs.
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LED 1933BK	4.32/14.4	72	0.4/1.25	720/2400	33.25L x 2.5W x 2.5"	1.45 lbs.
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LED 1943BK	5.76/19.2	96	.48/1.6	960/3200	43.25L x 2.5W x 2.5"	1.60 lbs.
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LED 190-1 series Rev 1 9/06/12

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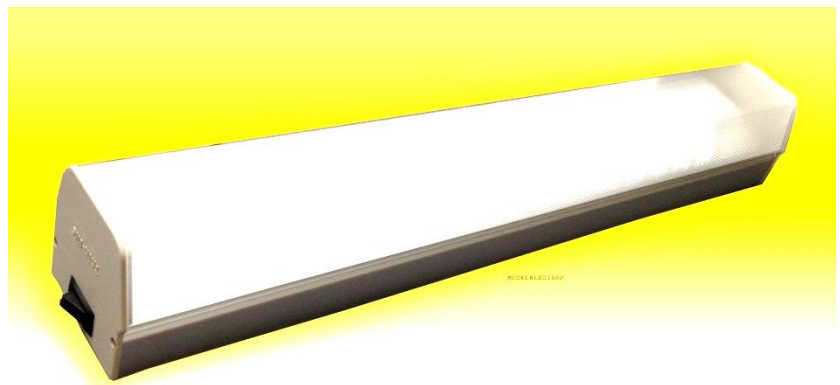
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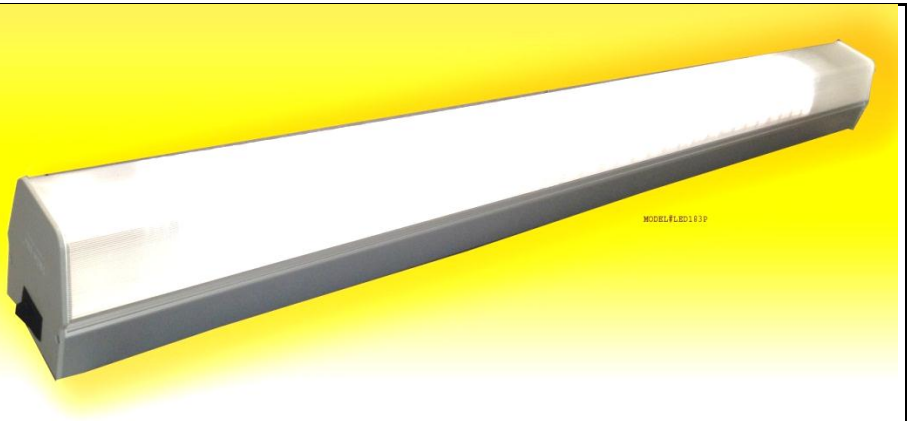
LED PREMIUM version of The 180 Industrial & Commercial Surface Mount Fixtures

Thin-Lite's LED 180 Industrial & Commercial surface mount fixtures provide efficiency for use in commercial, industrial and even residential applications. They are easy to install where decorative styling and durability are desired. Clear Acrylic diffuser lens. Clear Acrylic diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models. All fixtures are available with Black or Oyster End-caps.

Model No.	LED186P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	18.125"L x 3.625"W x 3.5"
Weight	2.00 lbs.
Lens	Clear Acrylic



Model No.	LED183P
Watts	5.76/19.2
No. of LEDs	96
Amp Draw @ 12VDC	0.48/1.6
Equivalent Lumens	960/3200
Dimensions	48.125"L x 3.625"W x 3.5"
Weight	3.30 lbs.
Lens	Clear Acrylic



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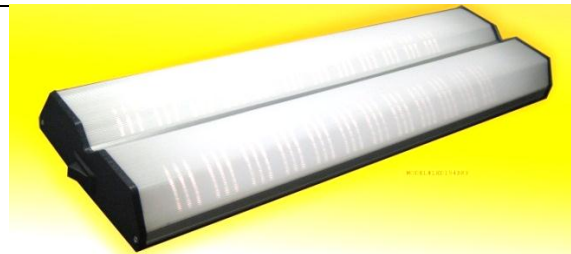
LED PREMIUM version of The Commercial Truck series Fixtures

Thin-Lite's LED Commercial Truck series heavy duty light fixtures provide efficient lighting for commercial trucks. 100 series strip light used as accent lighting. Model 194 is available with oyster end caps or black end caps. Model 716k offers a black decorative style with Clear Acrylic diffuser lens. They are easy to install. Model 716k and 718xl are recessed mount to provide a more "custom made" look. Clear Acrylic diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models.

Model No.	LED1029P
Watts	2.88/9.6
No. of LEDs	48
Amp Draw @ 12VDC	0.24/0.80
Equivalent Lumens	480/1600
Dimensions	29"L x 2.5W x 1.25"
Weight	0.75 lbs.



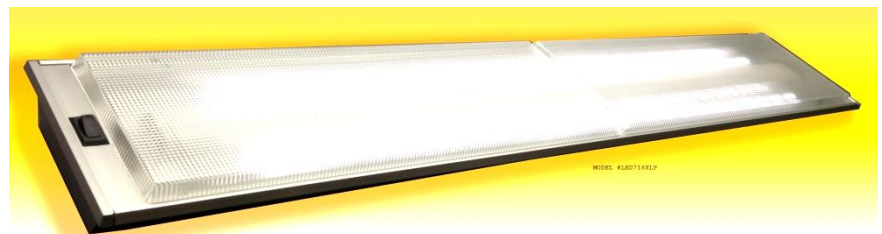
Model No.	LED194BKP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Dimensions	18.25"L x 5.625"W x 1.625"
Weight	1.50 lbs.



Model No.	LED716KP
Watts	4.32/14.4
No. of LEDs	72
Amp Draw @ 12VDC	0.4/1.25
Equivalent Lumens	720/2400
Overall Dimensions	20.625"L x 6.625"W x 2.00"
Opening Dimensions	20.125"L x 5.313"W x 1.25"
Weight	2.40 lbs.



Model No.	LED718XLP
Watts	8.64/28.8
No. of LEDs	144
Amp Draw @ 12VDC	0.72/2.4
Equivalent Lumens	1440/4800
Overall Dimensions	38.965"L x 6.625"W x 2.00"
Opening Dimensions	38.465"L x 5.313" x 1.25"
Weight	3.30 lbs



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LED Commercial series Rev 1 9/06/12

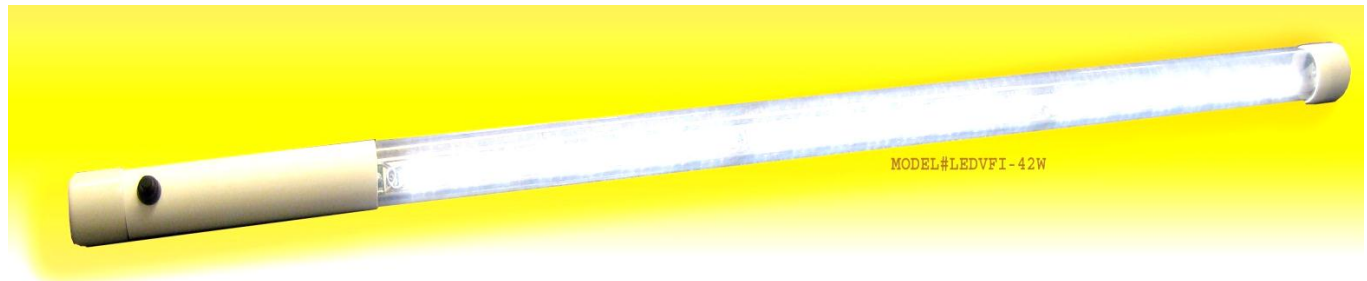
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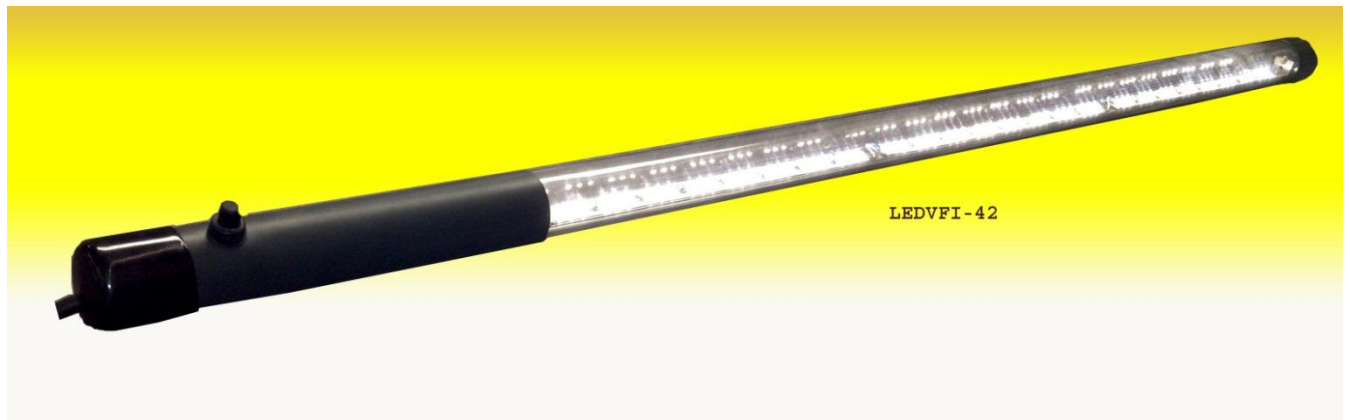
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Thin-Lite's LED Specialty VFI lighting fixtures provide efficiency for use in commercial and industrial applications. VFI lights are applicable for refrigerated trucks and car carriers. They are easy to install where decorative styling and durability are desired. Clear Acrylic Tube. Clear Acrylic diffuser lens. One Touch switch with 2 dimming levels, LED life of 100,000 Hrs. and Voltage Input of 8 - 30 VDC are standard features for all these models. Models are offered in either Black or White End-caps.

MODEL NO.	WATTS	NO. of LEDs	Amp Draw at 12VDC	Equivalent Lumens	Dimensions	Weight
LEDVFI-42W	4.32/14.4	72	0.4/1.25	720/2400	1.5" OD x 41.625" L	1.20 lbs.



MODEL NO.	WATTS	NO. of LEDs	Amp Draw at 12VDC	Equivalent Lumens	Dimensions	Weight
LEDVFI-42	4.32/14.4	72	0.4/1.25	720/2400	1.5" OD x 41.625" L	1.20 lbs.



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TROUBLESHOOTING ALL FIXTURES

Caution and Safety: Troubleshooting techniques require measurements with input voltage applied requiring extra precautions to avoid electrical shock, please use caution and safety. Use proper safety equipment such as eye protection and gloves when performing electrical measurements.

Most problems with lights occur when power is interrupted to the light fixture or when the light bulb or its socket is defective. If you are not comfortable working with electrical wiring, voltage testers, and the like, try a few simple procedures detailed below, but, if those do not solve the problem, call an electrician.

INOPERATIVE FIXTURE- Why doesn't my light fixture work?

****Usage of power supplies with pulsating output are not recommended and will void the warranty****

APPROVED POWER SOURCES INCLUDE SWITCHING WITH BRIDGE RECTIFIER AND BATTERIES:
rated @ 8 – 30VDC.

Often a fixture becomes inoperative due to causes not attributable to the circuit boards. It is therefore important to examine all fixture wiring before removing fixture for replacement. We recommend you read the following:

- “I have completed the installation but my lights do not turn on”

- Check battery voltage.
- Check switch on fixture or on Wall.
- Check all connections for a bad contact. Make sure all wiring & connections are secure.
- Check the line (battery) side of the wiring. Make sure that power is being supplied to the fixture.
- Examine all electrical connection within the fixture.
- If it still will not light, check the voltage at the light. Recommended operating voltage is between 11 and 14 VDC.
- Voltage drop due to loose connections at 12V fused distribution panels is not uncommon in mobile applications. Adjust torque where needed. Improperly tightened fasteners may reduce voltage delivered to **12V lights and accessories.**

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- If one or more light fixtures are controlled by a wall switch verify that it is a DC rated switch. The "DC Rule of Thumb" is "a switch that is rated at 15A 125VAC will likely perform satisfactorily at 15 amps 12VDC." Contacts on a non-DC rated switch may become corroded. This increases resistance and reduces voltage levels. Check voltage at all wall switches and replace if defective or voltage reading is below 12VDC.
- Check all connecting points on the 12VDC wiring harness for corrosion. Clean as needed.
- If there is no voltage at the light, check the wire to make sure they are connected. Black wire is negative (-) and Red wire is positive (+). Fixtures are protected against reversed polarity. If improperly connected, the fixture will simply not turn "on". If the wires are connected properly, and there is still no voltage to the light, check voltage at battery and fuse box.

What is the difference between Fluorescent, incandescent and LED lamps?

Incandescent Lamps: Regular incandescent lamps produce light by passing an electric current through a filament in a vacuum or gas filled bulb. They provide low initial cost, good color rendition and excellent optical control.

Halogen Lamps: Halogen lamps also use a filament; but since it is sealed in a pressurized capsule containing halogen gas, the lamp provides brighter, whiter light and improved energy efficiency.

LED Lamps: Light from LEDs is concentrated in a beam. Refractive lenses are used to diffuse and spread the beam but this dramatically reduces light output. They are a good choice if mounted close to the work surface. LED's are not recommended for lighting large areas where a wide dispersal of light is needed. Fluorescent fixtures are the most efficient source of light for illuminating a large area.

What is the warranty policy?

The warranty extends to the original purchaser for three years. It is limited to rectifying any such defect and/or replacing such defective part, except LED lights, provided the fixture is returned prepaid, with proof of purchase to: **Thin-Lite Corp, Attn: QA, 530 Constitution Ave, Camarillo, Ca. 93012**. If the fixture has been superseded (new design replaces older design) replacement will be made with a current model of the same quality performing the equivalent function. This warranty does not cover labor costs for installation or removal of light fixture and is void on any light fixture that has been improperly installed, overloaded, abused or altered in any way. Other than the above described obligation, Thin-Lite Corp. assumes no further liability with respect to the sale or use of its products.

