

**DESCRIPTION**

Trace\*lite's LP22 offers incredible performance in an energy-efficient, slim profile package. It is ideal for office spaces, schools, hospitals and any indoor location that requires even illumination and lower maintenance. It is compatible with most standard t-bar grid ceilings, includes 0-10V dimming standard, and can also provide path of egress emergency lighting (LEDEM).

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
Accessories: \_\_\_\_\_  
Job Name: \_\_\_\_\_ Type: \_\_\_\_\_

**SPECIFICATIONS**

**Construction:**

- Precision die-formed aluminum housing
- Recessed design fits most standard t-bar grid ceilings
- White polyester powder coat finish
- Suitable for damp locations

**Optics/ LEDs:**

- UV-stabilized PMMA lens
- L70 at 81,000hrs (32w)
- L70 at 56,000hrs (40w)

**Electrical:**

- High performance isolated driver features over-voltage, over-current and short-circuit (with auto-recovery) protection. Class A sound rating, 0-10V dimming included standard (10% - 100%)
- 120-277VAC, 50-60Hz
- >0.9 power factor
- Total harmonic distortion: <20%

**Installation:**

- Unit simply lifts through grid ceiling and rests on t-bars, driver attaches with quick-connect adaptors
- Easy installation in new construction or retrofit
- Standard mounting includes recessed mounting in grid ceilings
- Suspended mounting using attached hanging brackets and surface mounting kit
- Earthquake clips included
- Optional surface mounting kit is available
- Optional flange mounting kit for recessed drywall applications
- Field installable battery packs available for emergency egress lighting



**Testing & Compliance:**

- ETL listed for damp locations and insulated ceilings (IC Rated)
- cULus listed for damp locations and insulated ceilings (IC Rated)
- DesignLights Consortium® (DLC) qualified
- LP22-32 is DLC PREMIUM qualified
- Operating Temperatures:  
(32w) -25°C to 50°C (-13°F to 122°F)  
(40w) -25°C to 45°C (-13°F to 113°F)

**Warranty:**

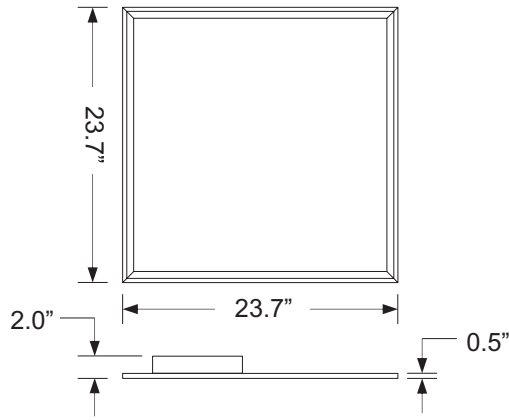
- 5 Year Warranty (Terms and Conditions Apply)

Specs at a Glance								
Wattage (w)	32				40			
CCT (K)	3000	3500	4000	5000	3000	3500	4000	5000
Lumens (lm)	4,003	4,051	4,081	4,111	4,078	4,134	4,134	4,480
Efficacy (LPW)	124	124	127	129	102	103	103	112
CRI	>80							
Input Voltage	120-277VAC, 50-60Hz							
Warranty	5 Years							
Certifications	cULus Listed, DLC Premium				ETL Listed, DLC			
	IC Rated, Suitable for Damp Locations							
Ambient Temp	-25°C to 50°C (-13°F to 122°F)				-25°C to 45°C (-13°F to 113°F)			

**Ordering Information** (Example: LP22-40-5K)

Series	Fixture Watts	Color Temperature (CCT)	Accessories <sup>5</sup> (Field Installed)
LP22 <sup>1</sup> = 2' x 2' Ultra-thin LED Panel	32 <sup>2</sup> = 32 Watts	3K = 3000 Kelvin	LP22-SMK = Surface Mount Kit
	40 <sup>3</sup> = 40 Watts	35K = 3500 Kelvin	LP22-FMK = Flange Mount Kit
<b>Notes</b>		4K = 4000 Kelvin	LEDEM-5W <sup>4</sup> = 5 Watt Battery Pack for Emergency Egress
	<sup>1</sup> Sold two (2) units per pack	5K = 5000 Kelvin	LEDEM-7W <sup>4</sup> = 7 Watt Battery Pack for Emergency Egress
	<sup>2</sup> L70 @ 81,000hrs, UL listed product, DLC Premium qualified		LEDEM-10W <sup>4</sup> = 10 Watt Battery Pack for Emergency Egress
<sup>3</sup> L70 @ 56,000hrs, ETL listed product, DLC qualified			LEDEM-13W <sup>4</sup> = 13 Watt Battery Pack for Emergency Egress
<sup>4</sup> See back page for battery pack lumen output			LEDEM-17W <sup>4</sup> = 17 Watt Battery Pack for Emergency Egress
<sup>5</sup> Order as separate line item			

## Dimensions



Fixture Watts	Weight
32 = 32 Watts	7.6 lbs.
40 = 40 Watts	9.5 lbs.

## Sample Photometry

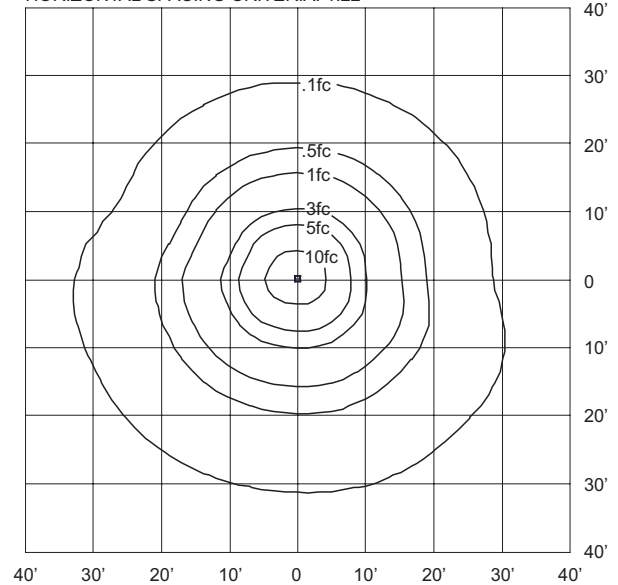
### LP22-40-3K

IES: TYPE II Very Short

MOUNTING HEIGHT: 10 FEET

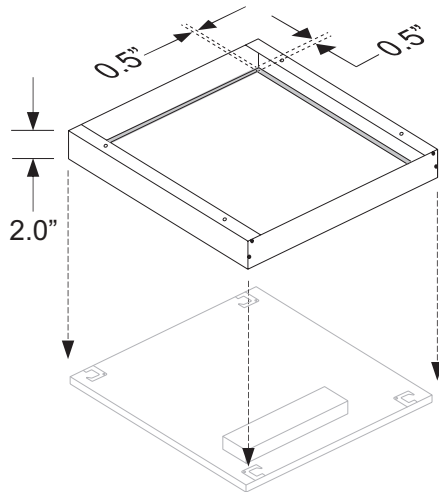
TILT: ZERO

HORIZONTAL SPACING CRITERIA: 1.22



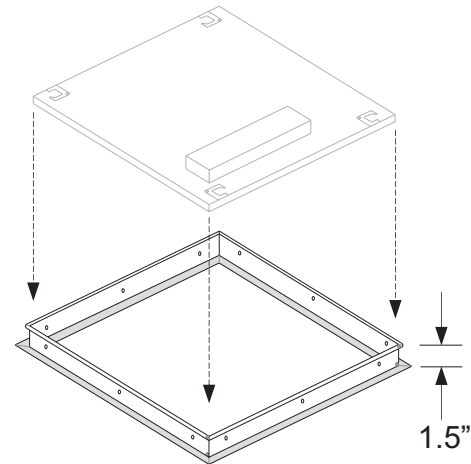
## Surface Mount Kit

Optional surface mounting kit (LP22-SMK) allows for installation on plaster or other hard ceilings and is used for suspended mount applications.



## Flange Mount Kit

Optional flange kit (LP22-FMK) mounts above the drywall ceiling and allows the panel to be mounted flush to the ceiling.



## Lumen Output Summary for LEDEM Battery Pack Accessories

LP Panel Battery Packs:			LEDEM-5W	LEDEM-7W	LEDEM-10W	LEDEM-13W	LEDEM-17W
Model	Lumens	Wattage	4.0	6.24	8.56	10.96	14.24
<i>Battery Back Up Lumens</i>							
LP22-32-3K	4003	32	500	781	1071	1371	1781
LP22-32-35K	4051	32	510	796	1092	1398	1816
LP22-32-4K	4081	32	510	796	1092	1398	1816
LP22-32-5K	4111	32	514	802	1100	1408	1829
LP22-40-3K	4078	40	408	636	873	1117	1452
LP22-40-35K	4134	40	413	645	885	1133	1472
LP22-40-4K	4134	40	413	645	885	1133	1472
LP22-40-5K	4480	40	448	699	959	1228	1595

Specifications are subject to change without notice.  
Installation must be performed in accordance with  
Barron Lighting Group installation instructions.

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**SPECIFICATIONS**

**Illumination:**

- Provides constant power output to the load during emergency mode operation
- Can be operated as NORMALLY-ON, NORMALLY-OFF or SWITCHED LOAD

**Electrical:**

- Universal 120-277V, 50/60 Hz input
- Charge/Power "ON" LED indicator light and push-to-test switch for mandated code compliance testing
- Long-life, maintenance free, rechargeable NiCad battery
- Output short/overcurrent protection: Electronic limiting, with normal operation resuming upon removal of fault
- 90 Minute minimum emergency operating time over full temperature range (other run times available upon request)
- Output classification: Class 2 Compliant
- Surge protection: Per C62.41 (TVS)
- Input overcurrent protection: Fusible link
- 24 Hour maximum battery recharge time

**Housing:**

- LED illuminated and remote mounted test switch
- Injection-molded, engineering grade, 5VA flame retardant, high-impact resistant, thermoplastic in a black finish

**Mounting:**

- Suitable for installation on top of the fixture
- Can be remote mounted (up to 50')

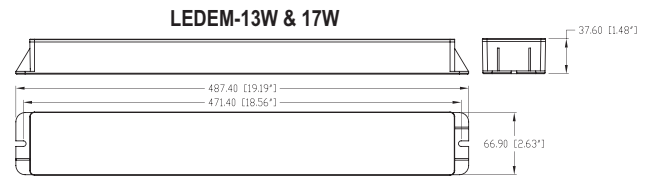
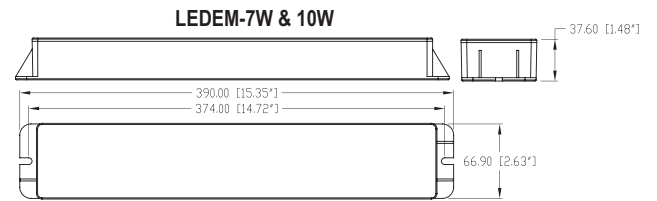
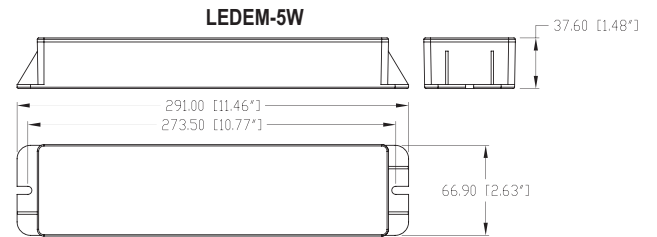
**Testing & Compliance:**

- Suitable for field installation
- Suitable for damp locations (0°C - 50°C)

**Warranty:**

- 5 Year Warranty (Terms and Conditions Apply)

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
Accessories: \_\_\_\_\_  
Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



**Ordering Information**

Series	Output Operating Range		Output Power	UL Listed Part #'s
	Voltage (VDC)	Current (MADC)	Watts	
LEDEM-5W	20-50	250-100	5.0	BLEDEM-CP-800
LEDEM-7W	20-50	390-156	7.0	BLEDEM-CP-1200
LEDEM-10W	20-50	535-214	10.7	BLEDEM-CP-1800
LEDEM-13W	20-50	685-274	13.7	BLEDEM-CP-2000
LEDEM-17W	20-50	850-340	17.0	BLEDEM-CP-2400

Provides regulated power from 5.0 watts to 17.0 watts (up to 800 to 2400 lumens).

## Electrical Information

Model	Input Current (A)	Input Power (W)
LEDEM-5W	0.061	3.9
LEDEM-7W	0.065	4.8
LEDEM-10W	0.087	5.7
LEDEM-13W	0.110	6.9
LEDEM-17W	0.110	7.9

### LEDEM Series System Coordination Guidelines

These guidelines were developed to allow the lighting system Designer/Specifier to predict the operating performance levels of LED luminaires when powered by an electrically compatible LEDEM Series model. It is ultimately the responsibility of the Designer/Specifier to insure that the as installed system delivers code-compliant path of egress illumination.

### Determine Electrical Compatibility

- A) Verify that the Luminaire LED Driver, where applicable, is Class 2 compliant.
- B) Verify that the Luminaire LED Lamp(s) have an operating voltage between 20Vdc and 50Vdc.
- C) Verify that the Luminaire LED Lamp(s) have a power rating equal to, or greater than, the emergency power rating of the LEDEM model under consideration.