

**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 or suspended mounting using attached hanging brackets
- Earthquake clips included
- Optional surface mounting kit is available
- 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)
- Operating Temperatures:  
 (32w) -25°C to 50°C (-13°F to 122°F)  
 (40w) -25°C to 45°C (-13°F to 113°F)
- RoHS compliant
- FCC Part 15 compliant

**Warranty:**

- 5 Year Warranty (Terms and Conditions Apply)



Specs at a Glance						
Wattage (w)	32			40		
CCT (K)	3000	4000	5000	3000	4000	5000
Lumens (lm)	4,003	4,081	4,111	4,078	4,134	4,480
Efficacy (LPW)	124	127	129	102	103	112
CRI	>80					
Input Voltage	120-277VAC, 50-60Hz					
Warranty	5 Years					
Certifications	cULus Listed			ETL Listed		
	RoHS Compliant, FCC Part 15, 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>4</sup> (Field Installed)
LP22 = 2' x 2' Ultra-thin LED Panel	32 <sup>1</sup> = 32 Watts	3K = 3000 Kelvin	LP22-SMK = Surface Mount Kit
	40 <sup>2</sup> = 40 Watts	4K = 4000 Kelvin	LEDEM-5W <sup>3</sup> = 5 Watt Battery Pack for Emergency Egress
		5K = 5000 Kelvin	LEDEM-7W <sup>3</sup> = 7 Watt Battery Pack for Emergency Egress
<b>Notes</b>			LEDEM-10W <sup>3</sup> = 10 Watt Battery Pack for Emergency Egress
			LEDEM-13W <sup>3</sup> = 13 Watt Battery Pack for Emergency Egress
			LEDEM-17W <sup>3</sup> = 17 Watt Battery Pack for Emergency Egress

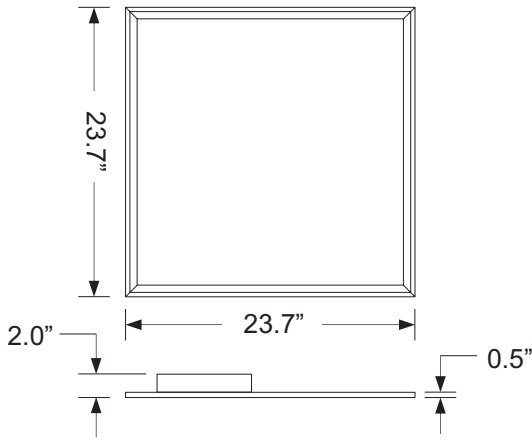
<sup>1</sup> L70 @ 81,000hrs, UL listed product

<sup>2</sup> L70 @ 56,000hrs, ETL listed product

<sup>3</sup> See back page for battery pack lumen output

<sup>4</sup> Order as separate line item

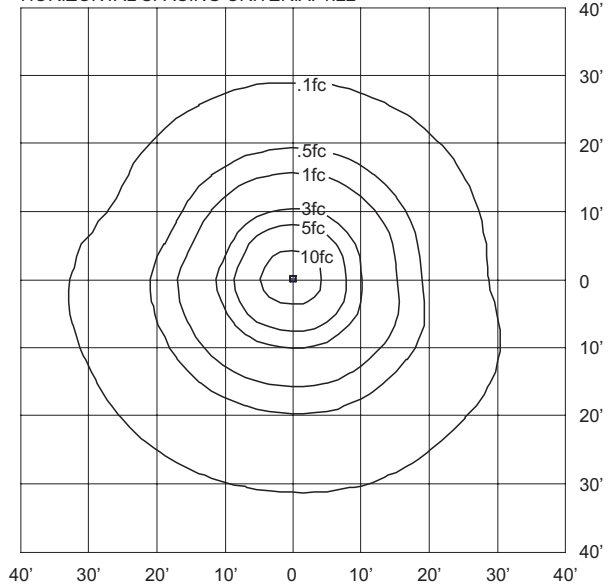
**Dimensions**



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

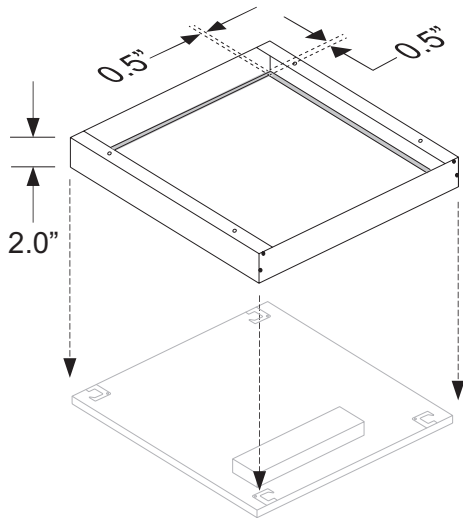
**Sample Photometry**

**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.



**Lumen Output Summary for LEDEM Battery Pack Accessories**

LP Panel Battery Packs:			LEDEM-5W	LEDEM-7W	LEDEM-10W	LEDEM-13W	LEDEM-17W
			4.0	6.24	8.56	10.96	14.24
Model	Lumens	Wattage	Battery Back Up Lumens				
LP22-32-3K	4003	32	500	781	1071	1371	1781
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
LP22-40-4K	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.

**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')

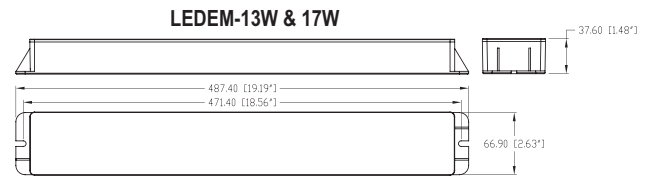
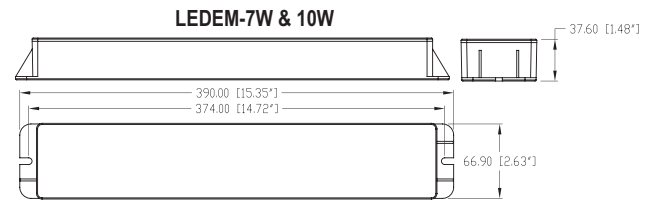
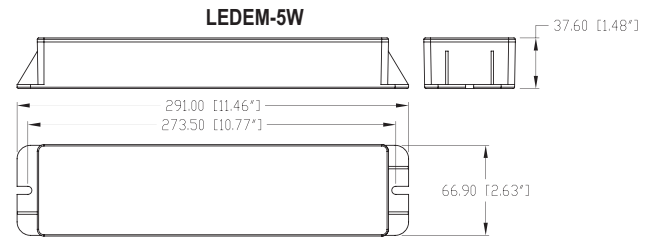
**Testing & Compliance:**

- 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
	Voltage (VDC)	Current (MADC)	Watts
LEDEM-5W	20-50	250-100	5.0
LEDEM-7W	20-50	390-156	7.0
LEDEM-10W	20-50	535-214	10.7
LEDEM-13W	20-50	685-274	13.7
LEDEM-17W	20-50	850-340	17.0

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.