



Drop-In Incandescent Replacement — Consumes Less than 4 Watts – Up to 90% Energy Savings

Emergency Egress Lighting – Headlights – Markers – Turn Signals – Spotlights

FEATURES

CAUTION: Suitable for use in open luminaires (fixtures)

- **Lamp Warranty:** 3 Years
- **Easy Installation:** Drop-in Replacement for 12/14VDC and 6VDC PAR36 Incandescent Lamps
- **White LED Operating Life:** Up to 50,000+ Hours
- **Low Power Draw:** Smaller Wattage Puts Less Load on the Electrical System
- **Cool Operation:** Generates Only a Negligible Amount of Heat
- **Even Lighting:** High Intensity / No Halation
- **Solid State:** High-Shock & High-Vibration Resistant
- **LEDs:** Medium Cluster of 44 LEDs
- **Weatherproof:** Moisture and Dust Resistant



Shown as sold with quick-connect screw terminals

Available with wire terminals (as a large order option)

APPLICATIONS

- 12-Volt Versions Have Applications as Headlights for Forklifts, Industrial Vehicles, Golf Carts
- Architectural Accent Lighting and Wall Washing
- Low-Heat Medical Spot Lighting and General-Use Spot Lamps
- Battery-Operated Emergency Egress Lighting Systems
- Landscape Lighting

LEDtronic PAR-36 spotlights mounted in a water-tight, underwater-approved fixture illuminate the fountain at Daley Plaza, one of Chicago's architectural highlights.



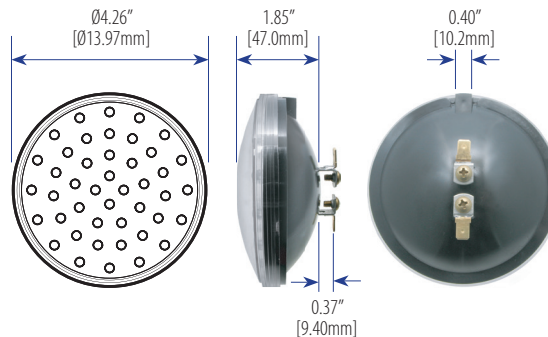
BENEFITS

- **Major Energy Savings:** Over 90% Compared to Incandescent and Halogen Lamps
- **Low Maintenance:** Lowers Costs by Reducing Re-lamp Frequency
- **Eco-Friendly:** No Mercury Content, No Lead; Recyclable
- **No Hazardous**
- **Emissions:** No UV or IR Radiation
- **Reduces Light Pollution:** Enhances Night Vision, "Dark Skies" Initiative Friendly

White LED technology is patent protected in the United States. LEDtronic white LED products are covered under these patents.

CUSTOM OPTIONS [For qualified applications & large-quantity OEM orders]

- **Other Voltages** – 24/48V, 120VAC or 240VAC
- **Other LED Colors** Available
- Available in **Ultraviolet** LEDs in 395nm or 405nm
- Available in **Infrared** LEDs in 730nm, 850nm, 880nm, 940nm
- **Other LED Beam Angles** for Different Effects
- Available with **Wire Terminals**



Ideal for Use with Alternate or Renewable Energy Resources – Solar & Wind Power

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	INPUT VOLTAGE	ENERGY USED	INPUT CURRENT	TOTAL LUMENS	MAXIMUM CANDELA	EFFICACY	CRI	COLOR TEMPERATURE	EMITTED COLOR	VIEWING ANGLE *	WEIGHT
PAR36-TPW-006N-001	6VDC	3.9 Watts	0.663A	197 lm	458 cd	50 lm/W	75	4800K~5200K	True White	25°	0.2375 lb
PAR36-TPW-014N-001	12/14VDC	8.6 Watts	0.616A	188 lm	385 cd	22 lm/W	75	4800K~5200K	True White	28°	0.25 lb

(* Full Beam Width @ 50% Intensity)

PAR36-TPW-006N-001

Luminaire Photometric Report

Filename: PAR36-TPW-006N-001

Manufacturer: LEDTRONICS -

Luminaire: CLEAR LENS 6VDC, 3.9W

Luminaire Cat: PAR36-TPW-006N-001

Lamp: LUMEN RATING: 196.8lm.

Lamp Output: 1 lamp(s), rated lamp lumens: 196.8

Max Candela: 458.0 at Horizontal: 90, Vertical: 1.5

Luminous Opening: Point

Test: 9-9-10

Flood Summary

Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	62.1%	122.3	64.7
Beam (50%):	26.3%	51.8	28.9
Total:	100%	196.8	25.1

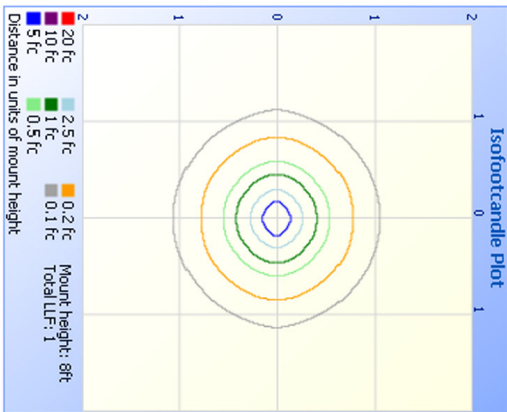
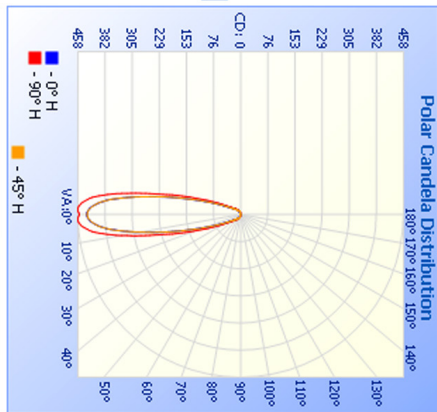
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	121.3	61.6%	61.8%
0-40	142.3	72.3%	72.5%
0-60	173.1	87.9%	88.1%
60-90	23.4	11.9%	11.9%
0-90	196.4	99.8%	100%
0-180	196.4	99.8%	100%
Total Efficiency:	99.8%		

Illuminance at a Distance

Center Beam FC	Beam Width
1.3ft	243.56 fc
2.7ft	60.89 fc
4.0ft	27.06 fc
5.3ft	15.22 fc
6.7ft	9.74 fc
8.0ft	6.77 fc

Vert. Spread: 25.1° Horiz. Spread: 28.9°



PAR36-TPW-014N-001

Luminaire Photometric Report

Filename: PAR36-TPW-014N-001

Manufacturer: LEDTRONICS -

Luminaire: CLEAR LENS 14VDC, 5.6W

Luminaire Cat: PAR36-TPW-014N-002

Lamp: LUMEN RATING: 188.1lm.

Lamp Output: 1 lamp(s), rated lamp lumens: 188.1

Max Candela: 385.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

Test: +11-12

Flood Summary

Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	61.6%	115.9	64.2
Beam (50%):	27.4%	51.5	28.1
Total:	100%	188.1	28.1

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
1.7ft	138.60 fc		0.8ft
3.3ft	34.65 fc		1.7ft
5.0ft	15.40 fc		2.5ft
6.7ft	8.66 fc		3.3ft
8.3ft	5.54 fc		4.2ft
10.0ft	3.85 fc		5.0ft

Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	138.60 fc
3.3ft	34.65 fc
5.0ft	15.40 fc
6.7ft	8.66 fc
8.3ft	5.54 fc
10.0ft	3.85 fc

Beam Spread: 28.1°

