



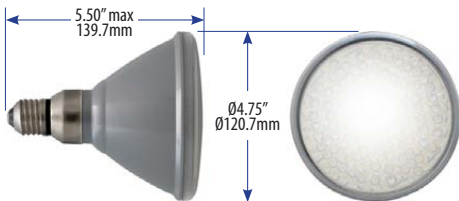
Direct Drop-In Incandescent Replacement – Consumes Only 5 Watts – Up to 90% Energy Savings

Operates on 120VAC — E26 Edison Base — Security Light / Emergency Light / Landscape Light

FEATURES

- **Lamp Warranty:** 3 Years
- **Easy Installation:** Direct Incandescent Replacement in Standard PAR38 Cans & Fixtures Using Existing 26mm Screw-in Edison-Base Sockets
- **Long Lifespan:** White LED Lumen Maintenance Greater than 70% at 35,000 Hours of Operation (*Rated average life based on engineering testing and probability analysis*)
- 180 High-Quality LEDs
- **Solid State:** Fast Turn-On, No Power Surge
- High-Shock & High-Vibration Resistant
- **Splash-Proof** for Indoor/Outdoor Use
- Housing and Lens Made of UV Plastic
- **Reduces Light Pollution:** Enhances Night Vision, "Dark Skies" Initiative Friendly

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



BENEFITS

- **Major Energy Savings:** Over 90% Compared to Incandescents/Halogens
- **Low Maintenance:** Lowers Costs by Reducing Re-lamp Frequency
- **Even Lighting:** High Intensity / No Halation
- **Environment-Friendly:** No Mercury Content, No Lead
- **Instant Light:** No Flicker or Delayed Startup Time
- **Cool Operation:** Doesn't Get Hot to the Touch, Reduces A/C Load

APPLICATIONS

- Dock Bay Lighting / Distribution Centers
- Walkways / Entrance Lighting
- Task Light/ Security Lighting
- Floodlight / Area Light
- Stage / Theater Lighting
- Wall / Tree Washing Light
- Landscape Lighting
- Down / Track Lighting
- Décor Lighting
- Reading Light

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

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

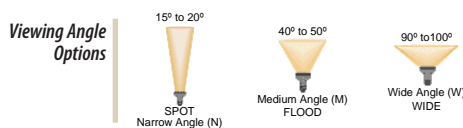
- **Other Voltages –** 12/14V, 24/28V, 240VAC
- **Other LED Colors**
- Available in **Ultraviolet** LEDs in 395nm or 405nm
- Available in **Infrared** LEDs in 730nm, 850nm, 880nm, 940nm
- **Other LED Beam Angles** for Different Effects
- **Other Bases:** European E27 and E27D

SPECIFICATIONS

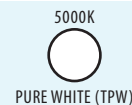
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	INPUT VOLTAGE	ENERGY USED	INPUT CURRENT	POWER FACTOR	TOTAL LUMENS	MAXIMUM CANDELA	EFFICACY	COLOR TEMPERATURE	EMITTED COLOR	VIEWING ANGLE *
WARM WHITE										
PAR38-180-SIW-120AND	120VAC	5.0 Watts	45mA	0.92	236 lm	796 cd	47 lm/W	2800K~3200K	Warm White	20°
PAR38-180-SIW-120AMD	120VAC	4.9 Watts	44mA	0.92	283 lm	667 cd	58 lm/W	2800K~3200K	Warm White	30°
PURE WHITE										
PAR38-180-TPW-120AND	120VAC	5.0 Watts	45mA	0.94	303 lm	869 cd	61 lm/W	4800K~5200K	Pure White	20°
PAR38-180-TPW-120AMD	120VAC	4.9 Watts	44mA	0.92	344 lm	807 cd	70 lm/W	4800K~5200K	Pure White	30°

(*Full Beam Width @ 50% Intensity)



White LED Color Temperature (in Kelvin)



PAR38-180-SIW-120AND

Luminaire Photometric Report

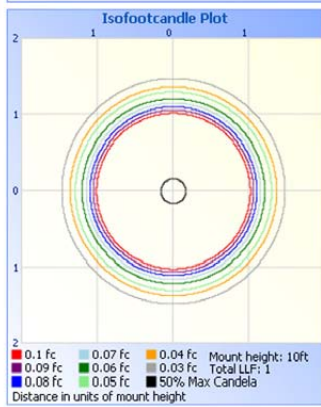
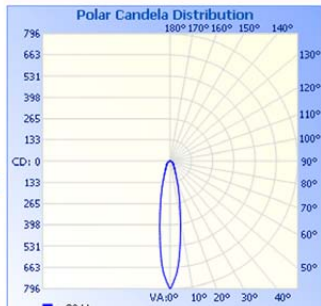
Filename: PAR38-180-SIW-120AND
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 5W
 Luminaire Cat: PAR38-180-SIW-120AND
 Lamp: LUMEN RATING: 236.2Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 236.2
 Max Candela: 796.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 10-28-09

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	55.4%	130.9	49.7	49.7
Beam (50%):	19.5%	46.0	18.8	18.8
Total:	100%	236.2		

Distance	Illuminance at a Distance	
	Center Beam Fc	Beam Width
1.7ft	286.56 fc	0.6ft
3.3ft	71.64 fc	1.1ft
5.0ft	31.84 fc	1.7ft
6.7ft	17.91 fc	2.2ft
8.3ft	11.46 fc	2.8ft
10.0ft	7.96 fc	3.3ft

■ Beam Spread: 18.8°



PAR38-180-SIW-120AMD

Luminaire Photometric Report

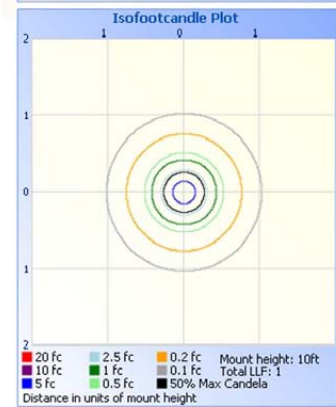
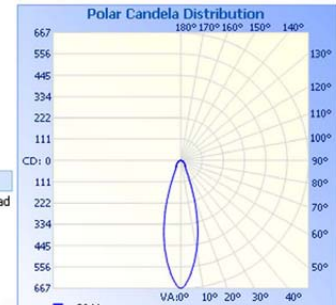
Filename: PAR38-180-SIW-120AMD
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 4.9W
 Luminaire Cat: PAR38-180-SIW-120AMD
 Lamp: LUMEN RATING: 282.9Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 282.9
 Max Candela: 667.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-6-09

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	66.3%	187.5	56.9	56.9
Beam (50%):	35.4%	100.1	30	30
Total:	100%	282.9		

Distance	Illuminance at a Distance	
	Center Beam Fc	Beam Width
1.7ft	240.12 fc	0.9ft
3.3ft	60.03 fc	1.8ft
5.0ft	26.68 fc	2.7ft
6.7ft	15.01 fc	3.6ft
8.3ft	9.60 fc	4.5ft
10.0ft	6.67 fc	5.4ft

■ Beam Spread: 30.0°



PAR38-180-TPW-120AND

Luminaire Photometric Report

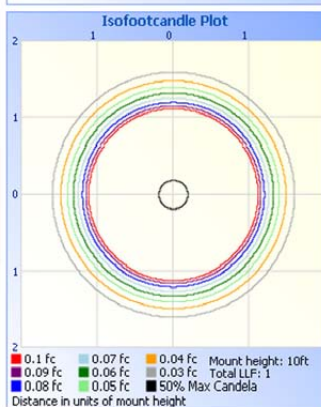
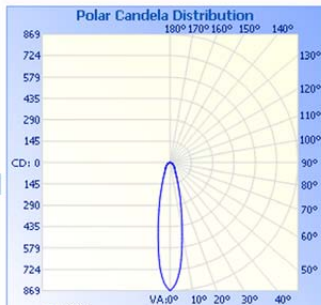
Filename: PAR38-180-TPW-120AND
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 5W
 Luminaire Cat: PAR38-180-TPW-120AND
 Lamp: LUMEN RATING: 302.7Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 302.7
 Max Candela: 869.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 10-28-09

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	57.7%	174.5	54.9	54.8
Beam (50%):	22%	66.5	21.6	21.6
Total:	100%	302.7		

Distance	Illuminance at a Distance	
	Center Beam Fc	Beam Width
1.7ft	312.84 fc	0.6ft
3.3ft	78.21 fc	1.3ft
5.0ft	34.76 fc	1.9ft
6.7ft	19.55 fc	2.5ft
8.3ft	12.51 fc	3.2ft
10.0ft	8.69 fc	3.8ft

■ Beam Spread: 21.6°



PAR38-180-TPW-120AMD

Luminaire Photometric Report

Filename: PAR38-180-TPW-120AMD
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 4.9W
 Luminaire Cat: PAR38-180-TPW-120AMD
 Lamp: LUMEN RATING: 343.7Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 343.7
 Max Candela: 807.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-6-09

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	65.8%	226.1	57	57
Beam (50%):	34.9%	119.9	30.2	30.2
Total:	100%	343.7		

Distance	Illuminance at a Distance	
	Center Beam Fc	Beam Width
1.7ft	290.52 fc	0.9ft
3.3ft	72.63 fc	1.8ft
5.0ft	32.28 fc	2.7ft
6.7ft	18.16 fc	3.6ft
8.3ft	11.62 fc	4.5ft
10.0ft	8.07 fc	5.4ft

■ Beam Spread: 30.2°

