

PRE-2-L Turtle Safe LED Specifications



Project Name:

Catalog Number:

Type:

Contemporary design meets the new generation of LED green technology in this stunning luminaire, the **PRE-2-L**. The Premier II series provides over fifty percent energy savings over traditional HID light sources; and offers excellent beam control and LED life beyond 100,000 hours for 350 milliamp systems. The PRE-2-L is offered in six optical distributions.

The PRE-2-L's fully-sealed housing features an exceptionally well-designed thermal management system that provides superior heat dissipation.

The PRE-2-L fixture is built with a cast aluminum housing, extruded aluminum arms and a spun aluminum, removable top.

The popular **PRE-2-L** is the perfect compliment to any university campus, business park, or walkway project where contemporary, architectural design is desired.

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
PRE-2-L	T1 Type 1	32LC	3 350mA	TS 590 nm	UNV 120-277V	PT Post Top Slips over 4" OD tenon X 4.5" tall as standard	BZ Bronze	PC-120 Button Type Photocell
	T2 Type 2	48LC	5 530mA				BK Black	PC-208 Button Type Photocell
	T3 Type 3	64LC					SBK Smooth Black	PC-240 Button Type Photocell
	T4 Type 4	80LC					WH White	PC-277 Button Type Photocell
	T5 Type 5	96LC					SWH Smooth White	WSC-8 Motion Sensor 8' Mounting Height
	T5W Type 5 Wide						GP Graphite	WSC-20 Motion Sensor 9-20' Mounting Height
	T5WR Type 5 Wide Round						GY Grey	WSC-40 Motion Sensor 21-40' Mounting Height
							SL Silver Metallic	The WSC option will require (1) FSIR 100 remote for programing
							CC Custom Color	DIM 0-10v Dimming Driver
								WVC Visionaire Wireless Controls Consult Factory
								LS Light Shield

Housing

- The PRE-2-L's housing is constructed from durable, corrosion-resistant, cast aluminum.
- The spun aluminum top cap is .080 gauge, and easily removable for service.
- Silicone gasketing is provided for complete weather and insect protection.

Thermal Management

The PRE-2-L provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the Premier II to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System

- The highest lumen output LEDs are utilized. High-performance acrylic optics feature industry leading Type 1, 2, 3, 4, 5, 5W and 5WR optical distributions.
- Acrylic optics are impact-resistant and rated to 94 percent translucence.
- L70 life of our LEDs is rated over 100,000 hours (for 350 mA)
- The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
- 590 nm diode supplied as standard.

Quali-Guard® Finish

- Fixture components are chemically pretreated through a multiple-stage washer, and finished with an electrostatically-applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness. Finish is oven-baked at 400° F for maximum adherence and finish hardness.
- Available in standard and custom colors.
- Finish is guaranteed for five (5) years.

Post Top Mount

- The PRE-2-L's contractor-friendly mounting hardware slips over 3" or 4" O.D. x 4" tall tenon utilizing stainless steel hardware.
- Round Internal Tenon Adaptors (RITA) are recommended for a smooth-looking connection. Standard for 4" poles, custom size required for 3" or 5" poles.

Electrical Assembly

- The PRE-2-L is supplied with a high-performance driver available in 350, 530 or 700mA. The driver is integrally-located in the housing, and is operational from 120 V through 480 V, 50 Hz to 60 Hz input.
- Power factor is 90%.
- Rated for -40° to 50°C operation.
- 10 kV surge protector supplied as standard.

Warranty

Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit www.visionairelighting.com.

Options

- Button type photocell
 - 0-10v Dimming Driver
 - WattStopper FSP-211 Motion Sensor
 - Wireless Control
 - Illuminated Ring
- Please consult factory for detailed custom options.

Listings

- PRE-2-L is cUL listed
- DLC Listed
- IDA Certification
- IP66 Rated
- LM79 and LM80
- Powder Coated Tough™
- Turtle Safe

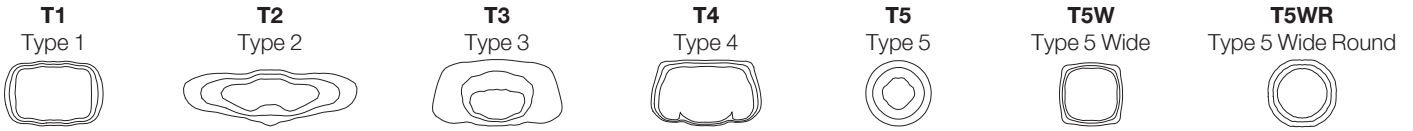


DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>

Motion Sensor Default Setting									
Type	High Mode	Low Mode	Time Delay	Cut off Delay	Sensitivity	Hold Off Setpoint	Photocell On/Off	Ramp Up Time	Fade Down Time
WSC - Default	10V	1V	5 Min	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Min	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

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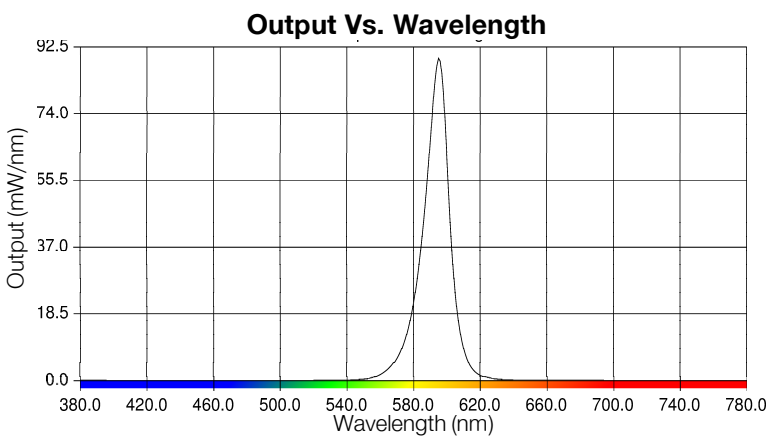
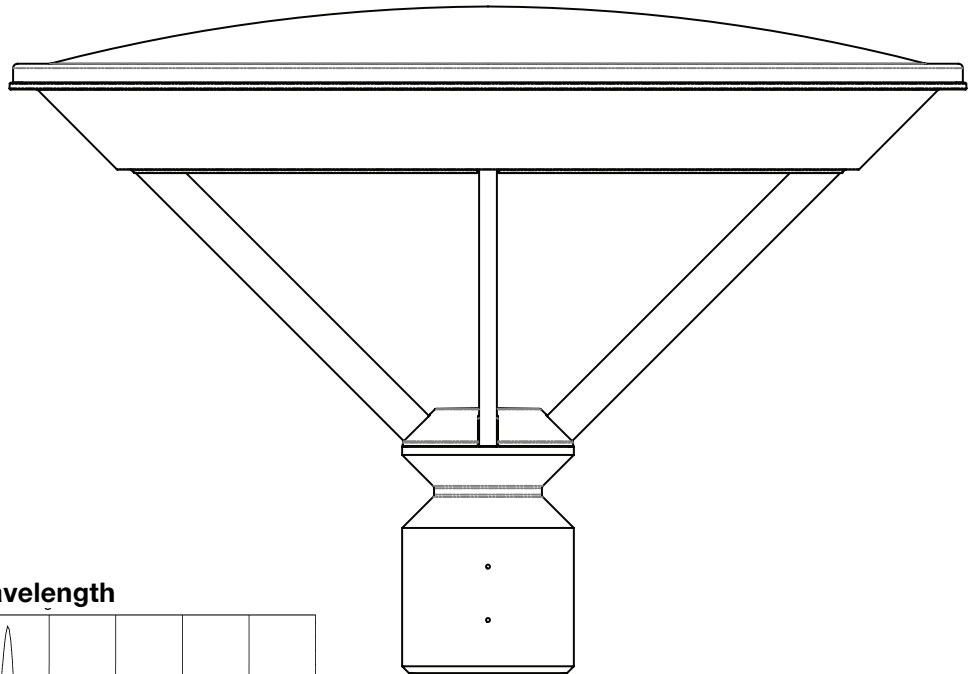
Photometric Optical Summary



EPA Data	 1.2
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Dimensions

Width:	PRE-2-L 27"
Height:	PRE-2-L 19"
Weight:	56 LBS



PRE-2-L Turtle Safe (590 nm) LUMEN DATA																							
# LEDs	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Wattage
32	350	1041			958			950			934			1026			980			980			35
	530	1518			1398			1386			1362			1497			1429			1430			56
48	350	1589			1462			1450			1425			1567			1495			1496			55
	530	2253			2074			2056			2021			2222			2121			2122			80
64	350	2067			1903			1887			1854			2039			1946			1947			71
	530	2932			2699			2676			2630			2892			2760			2762			104
80	350	2561			2357			2337			2297			2526			2410			2412			84
	530	3647			3357			3328			3271			3596			3432			3435			128
96	350	3035			2793			2769			2722			2993			2856			2858			101
	530	4261			3922			3889			3822			4203			4011			4013			152
PRE-2-L Turtle Safe (590 nm) LPW DATA																							
# LEDs	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Wattage
32	350	30			27			27			27			29			28			28			35
	530	27			25			25			24			27			26			26			56
48	350	29			27			26			26			28			27			27			55
	530	28			26			26			25			28			27			27			80
64	350	29			27			27			26			29			27			27			71
	530	28			26			26			25			28			27			27			104
80	350	30			28			28			27			30			29			29			84
	530	28			26			26			26			28			27			27			128
96	350	30			28			27			27			30			28			28			101
	530	28			26			26			25			28			26			26			152
PRE-2-L Turtle Safe (590 nm) BUG DATA																							
# LEDs	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
16	350	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0	1	0	0	35
	530	1	0	1	1	0	1	0	0	1	0	0	1	1	0	0	1	0	1	1	0	0	56
32	350	1	0	1	1	0	1	0	0	1	0	0	1	1	0	0	1	0	1	1	0	1	55
	530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	80
48	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	71
	530	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1	104
80	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	84
	530	2	0	2	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1	128
96	350	2	0	2	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1	101
	530	2	0	2	1	0	2	1	0	1	1	0	1	2	0	1	2	0	1	3	0	1	152
PRE-2-L Turtle Safe - ELECTRICAL LOAD (A)																							
Ordering Nomenclature	System Watts	120			208			240			277			347			480						
PRE-2-L-T5W-32LC-3	35	0.29			0.17			0.15			0.13			0.10			0.07						
PRE-2-L-T5W-32LC-5	56	0.47			0.27			0.23			0.20			0.16			0.12						
PRE-2-L-T5W-48LC-3	55	0.46			0.26			0.23			0.20			0.16			0.11						
PRE-2-L-T5W-48LC-5	80	0.67			0.38			0.33			0.29			0.23			0.17						
PRE-2-L-T5W-64LC-3	71	0.59			0.34			0.30			0.26			0.20			0.15						
PRE-2-L-T5W-64LC-5	104	0.87			0.50			0.43			0.38			0.30			0.22						
PRE-2-L-T5W-80LC-3	84	0.70			0.40			0.35			0.30			0.24			0.18						
PRE-2-L-T5W-80LC-5	128	1.07			0.62			0.53			0.46			0.37			0.27						
PRE-2-L-T5W-96LC-3	101	0.84			0.49			0.42			0.36			0.29			0.21						
PRE-2-L-T5W-96LC-5	152	1.27			0.73			0.63			0.55			0.44			0.32						