PRK LED Specifications

The PRK LED Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines the latest LED edge-lit Array technology, advanced LED thermal management and provides canopy lighting that is both energy efficient and aesthetically pleasing.

The PRK housing is die-cast aluminum with internal heat sinks for maximum heat dissipation.

The PRK LED fixture offered with lumen packages between 3,000 - 15,000. Four different optical distribution patterns are available. Choose between 3K, 4K, or 5K Kelvin temperature of the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The PRK series is an exceptional choice for parking garage lighting and other ceiling mount application.

Project Name:

Catalog Number:

Type:

Date:

Location:

VISIONAIRE LIGHTING

MODEL	OPTICS	WATTAGE	CCT	CURRENT	VOLTAGE
PRK	**T1** Type 1 Symmetrical Drive Lane 25W - 95W	**25W**	**3K** 3000K	**3** 350mA	**UNV** 120-277V
	T3L Type 3 Asymmetrical Perimeter 25W - 85W	**35W** **45W** **55W**	**4K** 4000K	**5** 530mA	**8** 347V
	T5LR Type 5 Symmetrical Concentrate 25W - 115W	**65W** **75W** **85W**	**5K** 5000K	**7** 700mA	**5** 480V
	T5LS Type 5 Symmetrical Wide 25W - 65W	**95W** **105W** **115W**			

MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
LPM Low Profile Mount Ceiling Mount No conduit feed.	**BZ** Bronze **BK** Black	**DIM** 0-10v Dimming Driver **DTO** Dim to Off Driver	**HS** House Side Shield	**UPL** Up-light 800 lumens *Pendant Mount / Trunnion Mount Only UNV Voltage Only
CM Ceiling Mount 1/2" & 3/4" Knockouts	**GY** Grey **SBK** Smooth Black	**WSP6-L2 WSP6-L3 WSP6-L7** 8'　　9-20'　　21-40' Mounting Mounting Mounting Height　 Height　 Height		**WG** Wire Guard
TM Trunion Mount	**WH** White	**WSC-8 WSC-20 WSC-40** 8'　　9-20'　　21-40' Mounting Mounting Mounting Height　 Height　 Height		**WLG** Wild Life Guard *Pendant Mount Only
ATM Adjustable Trunion Mount	**SWH** Smooth White	*The WSC option will require (1) FSIR 100 remote for programing		**EBPL** Emergency Battery Pack 120V-277V Only
PM12 Pendant Mount 12" *30" Leads	**GP** Graphite **GY** Grey	**Z10** or **Z18** Zhaga 4 Pin Receptacle **VWC** Visionaire Wireless Control		**CLD-EBPL** 20W Cold Weather Emergency Battery Pack Rated for -20°C UNV Voltage Only
PM24 Pendant Mount 24" *42" Leads	**SL** Silver Metallic **ZFP** Zinc-Free Primer Coat			**UL924** UL 942 Relay for Emergency Circuit UNV Voltage Only
PM36 Pendant Mount 36" *54" Leads	**CC** Custom Color			**10KV** Surge Protector
				20kV 20kV Surge Protector
				TPH Tamper Proof Hardware
				BAA Buy America(n) Act Compliant

Housing
Die-Cast aluminum LED housing with integral cooling fins for thermal management. Silicone gasket is used for weather tight operation.

Mounting
A Low Profile, hinged, ceiling mount bracket, can be secured directly to a 4" or 5" recessed junction box, or to the ceiling.
A Ceiling Mount bracket with 1/2" and 3/4" knockouts is also available for surface conduit mounting.
The ceiling hangar bracket on both versions allows the fixture to be suspended while making the wiring connections. The housing bracket then attaches to the ceiling bracket via a tamper-proof screw.
3/8" NPT stem and canopy supplied for pendant mount applications.

Thermal Management
The PRK series provides excellent thermal management by mounting the LEDs to the substantial heat sink within the housing. This enables the Luminaire to withstand higher ambient temperatures and driver currents without degrading LED life.

Optical System
The hightest lumen output LED are utilized. High-performance acrylic optics feature industry leading Type I, III, and V optical distributions. Light Guide Panel is impact-resistant and rated to 94 percent translucence.
L70 life of our LEDs is rated over 100,000 hours, The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
CRI values are 70.

Quali-Guard® Finish
The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 mils thickness. Finish is oven-baked at 400º F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.
· Optional Zinc-Free Primer - Recommended within three miles of the ocean
· Finish is guaranteed for five (5) years.

Electrical Assembly
The PRK LED series accepts 120v -480v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40°C operations.
6 kV surge protector supplied as standard.

Warranty
· Five (5) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options
· Wattstopper Plus
· Wattstopper FSP-211 Motion Sensor/Control (Title 24 Compliant)
· Dimming Driver
· Dim To Off Driver
· 20W Emergency Battery Pack UNV Voltage Only
· 20W Cold Weather Emergency Battery Pack (Rated for -20°C) UNV Voltage Only
· UL 924 Relay UNV Voltage Only
· 10kV Surge Protector
· 20kV Surge Protector
· House Side Shield
· Visionaire Wireless Controls
  - Enables high end trim
  - Based on Zigbee wireless communication protocol
· BAA / BABA

Listings
· PRK is UL Listed
· IP66 Rated
· Powder Coated Tough
· Meets ANSI C136.31-2010 3G Vibration Standards
 (LPM & CM Only)

3000K or lower must be selected with a fixed mount for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

Light Color
Correlated Color Temperature (CCT)

| Warm White | Bright White | Daylight |
| 2700K | 3000K | 3500K | 4000K | 5000K |

Motion Sensor Default Setting									
FSP	**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 Minutes	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Minutes	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

*Settings can be field modified with the FSIR-100 Programming remote
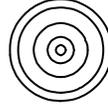
Photometric Optical Summary
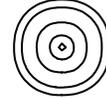
T1 - Type 1
Symmetrical Drive Lane

T3L - Type 3
Asymmetrical Perimeter

T5LR - Type 5
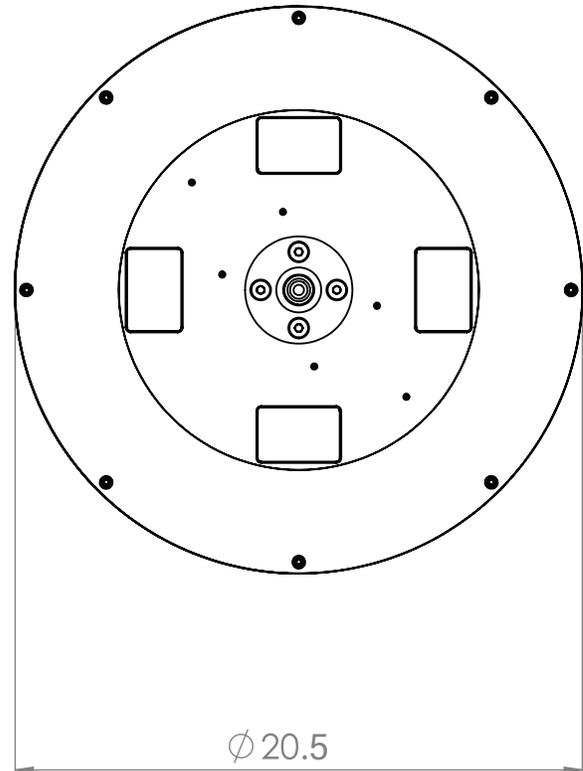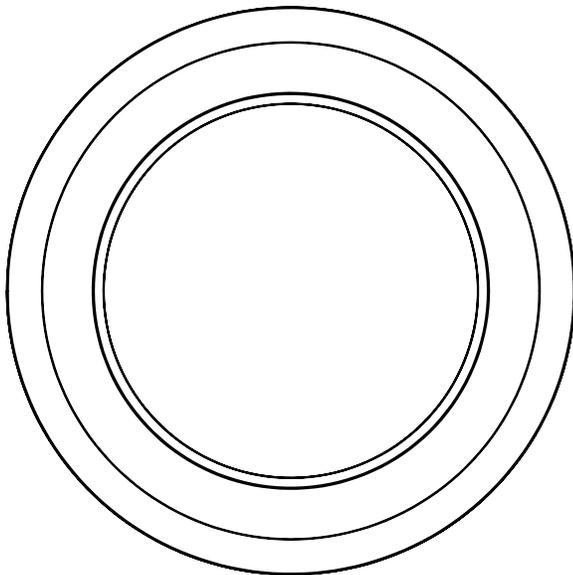Symmetrical Concentrate

T5LS - Type 5
Symmetrical Wide

Dimensions

Width:	PRK-1 20.5"
Height:	PRK -1 3.7"
Weight:	20 LBS

3.70
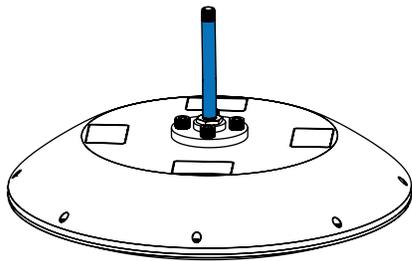
∅ 20.5
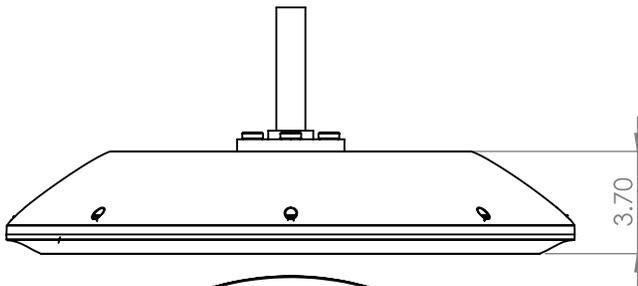
PRK LED Mounting and Options
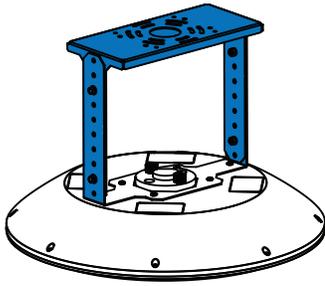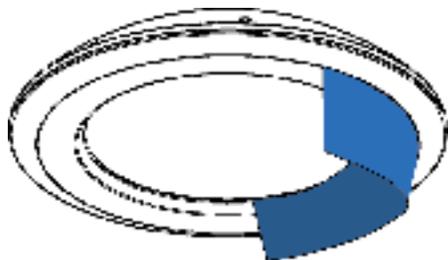
Trunnion Mount
Standard and
Tampered Screws

Pendant Mount
3/8 and 3/4" NPT Pipe
12, 24 & 36" Length
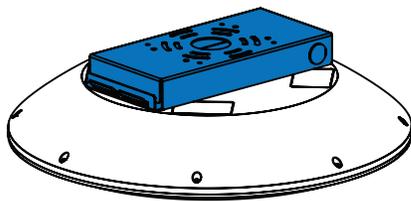
Ceiling Mount
Standard and Tampered
Screws
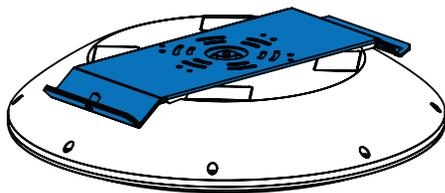
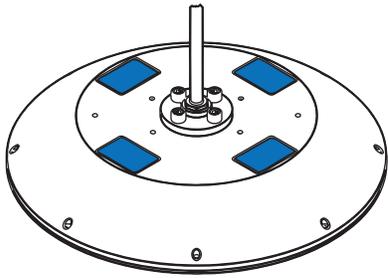**Low Profile Mount**
Standard and Tampered
Screws

House Side Shield
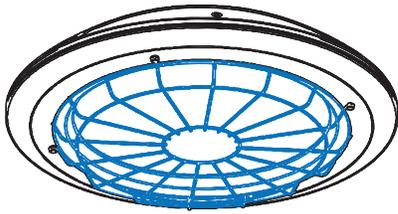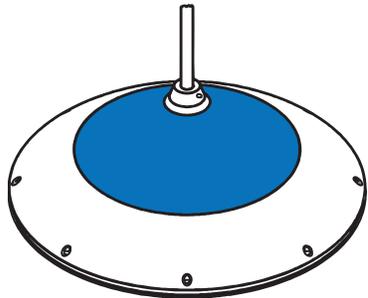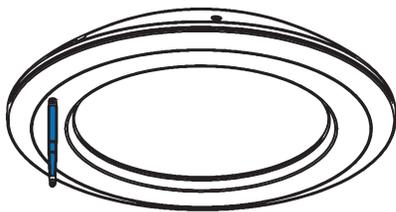Strict boundary line cutoff

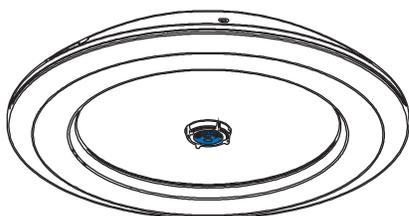## PRK LED Mounting and Options

UPL
Up-light 800 lumens

WG
Wire Guard

WLG
Wild Life Guard
*Pendant Mount Only

VWC
Visionaire
Wireless Controls
*Consult Factory

WATTSTOPPER®

*WSC options
will require
(1) FSIR 100
remote for
programing

WATTSTOPPER PLUS
FSP-600 Series

FSP-621

The FSP-600 series by Wattstopper PLUS is an integrated luminaire level lighting controller and sensor for indoor/outdoor lighting applications that require networked wireless control. The FSP-600 is designed to integrate directly into exterior, high bay, parking garage, and general site lighting solutions. It is a passive infrared (PIR) sensor and closed loop photosensor.

The FSP-600 series design intends to reduce installer labor time and make on-site start up easy for technicians.

Once commissioned and paired to a Wattstopper PLUS network, the devices can measure both motion and daylight contribution in order to automatically switch or dim lighting. It also provides the ability to communicate to other fixtures in the space without any front-end devices.

The Wattstopper PLUS FSP-600 series is available in a few different options including: internal, external straight nipple, and external drop nipple. Sensor lens options sold separately and should be ordered based on designed mounting height and desired finish.

FSP-200 Series

FSP-211   FSP-221

The FSP-200 series sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, are rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles. The FSP-200 series is available in two different voltage configurations adding flexibility to your fixture design or project.

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-2x1B ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at a low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.
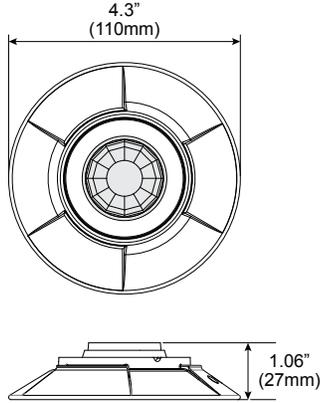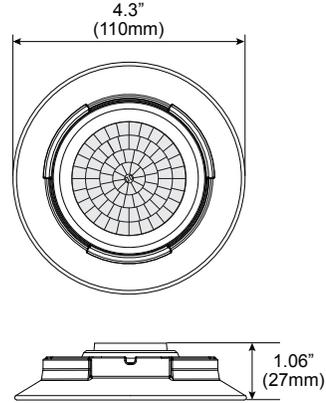
Lens with Shroud Dimensions

The FSP-Lx-S models include a shroud, which blocks high-angle light coming from the fixture, to improve photocell performance. With the shroud attached, the dimensions for all three lenses are identical

FSP-L2-S and FSP-L3-S
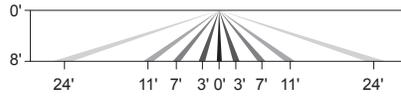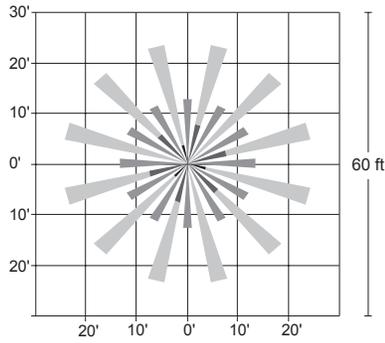
4.3"
(110mm)

1.06"
(27mm)

FSP-L7-S

4.3"
(110mm)

1.06"
(27mm)

COVERAGE

60 ft

FSP-L2 top and side coverage patterns

0'
8'

24'   11' 7' 3' 0' 3' 7' 11'   24'

40 ft

Ceiling

0'

5'

10'

15'

20'
20' 18' 15' 12' 9' 6' 3' 0' 3' 6' 9' 12' 15' 18' 20'

FSP-L3 top and side coverage patterns

100 ft

0'

15'

27'

40'

50' 40' 30' 20' 10' 0' 10' 20' 30' 40' 50'
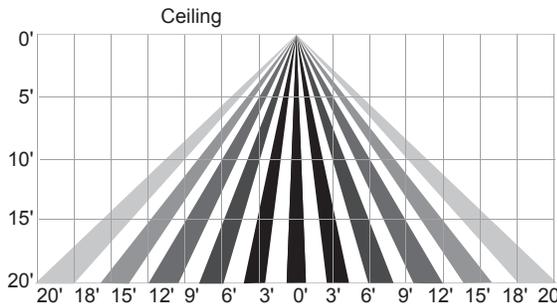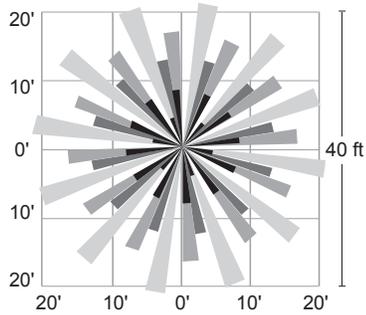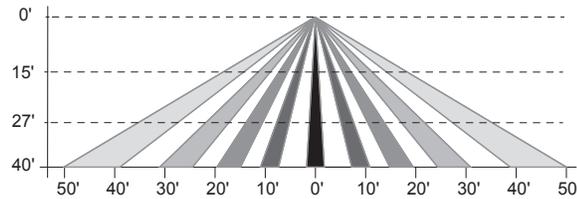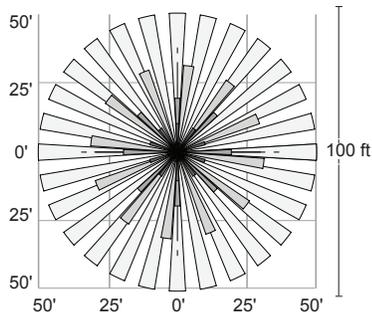
FSP-L7 top and side coverage patterns

3000K LUMENS				
T1	T3L	T5LS	T5LR	WATTAGE
3148	3135	3162	3129	25
4408	4390	4427	4437	35
5592	5570	5617	5712	45
6688	6662	6718	6925	55
7445	7341	7478	8173	65
9341	9140		9293	75
10359	9600		10375	85
10905			11379	95
			12565	105
			13549	115

4000K LUMENS				
T1	T3L	T5LS	T5LR	WATTAGE
3232	3219	3246	3213	25
4525	4507	4546	4555	35
5741	5719	5767	5864	45
6867	6840	6897	7109	55
7644	7537	7677	8391	65
9590	9384		9542	75
10636	9856		10652	85
11196			11682	95
			12901	105
			13911	115

5000K LUMENS				
T1	T3L	T5LS	T5LR	WATTAGE
3177	3164	3191	3158	25
4448	4430	4468	4477	35
5643	5621	5668	5764	45
6750	6723	6780	6988	55
7513	7408	7546	8248	65
9426	9224		9378	75
10454	9688		10470	85
11004			11483	95
			12680	105
			13673	115

3000K EFFICACY				
T1	T3L	T5LS	T5LR	WATTAGE
126	125	126	125	25
126	125	126	127	35
124	124	125	127	45
122	121	122	126	55
115	113	115	126	65
125	122		124	75
122	113		122	85
115			120	95
			120	105
			118	115

4000K EFFICACY				
T1	T3L	T5LS	T5LR	WATTAGE
129	129	130	129	25
129	129	130	130	35
128	127	128	130	45
125	124	125	129	55
118	116	118	129	65
128	125		127	75
125	116		125	85
118			123	95
			123	105
			121	115

5000K EFFICACY				
T1	T3L	T5LS	T5LR	WATTAGE
127	127	128	126	25
127	127	128	128	35
125	125	126	128	45
123	122	123	127	55
116	114	116	127	65
126	123		125	75
123	114		123	85
116			121	95
			121	105
			119	115