

PRK LED Specifications



Project Name:

Catalog Number:

Type:

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.

Ordering Information

MODEL	OPTICS	WATTAGE	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
PRK	T1 Type 1 Symmetrical Drive Lane 25W - 95W T3L Type 3 Asymmetrical Perimeter 25W - 85W T5LR Type 5 Symmetrical Concentrate 25W - 115W T5LS Type 5 Symmetrical Wide 25W - 65W	25W 35W 45W 55W 65W 75W 85W 95W 105W 115W	3K 3000K 4K 4000K 5K 5000K	UNV 120-277V 8 347V 5 480V	LPM Low Profile Mount Ceiling Mount No conduit feed. CM Ceiling Mount 1/2" & 3/4" Knockouts TM Trunion Mount ATM Adjustable Trunion Mount PM12 Pendant Mount 12" *30" Leads PM24 Pendant Mount 24" *42" Leads PM36 Pendant Mount 36" *54" Leads	BZ Bronze BK Black SBK Smooth Black WH White SWH Smooth White GP Graphite GY Grey SL Silver Metallic CC Custom Color	UPL Up-light 800 lumens *Pendant Mount / Trunion Mount Only UNV Voltage Only WG Wire Guard WLG Wild Life Guard *Pendant Mount Only WSC-8 Dimmable Motion Sensor 8' Mounting Height WSC-20 Dimmable Motion Sensor 9-20' Mounting Height WSC-40 Dimmable Motion Sensor 21-40' Mounting Height *WSC options will require (1) FSIR 100 remote for programming	DIM 0-10v Dimming Driver EBPL 20W Emergency Battery Pack UNV Voltage Only CLD-EBPL 20W Cold Weather Emergency Battery Pack Rated for -20°C UNV Voltage Only UL924 UL 942 Relay for Emergency Circuit UNV Voltage Only 10kV 10kV Surge Protector 20kV 20kV Surge Protector VWC Visionaire Wireless Controls *Consult Factory TPH Tamper Proof Hardware HS House Side Shield

Features & Specifications

PRK

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 highest 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 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.

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

- Watt Stopper Motion Sensor (Title 24 Compliant)
- Dimming 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

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 for IDA certification.

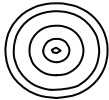
Motion Sensor Default Setting									
FSP	High Mode	Low Mode	Time Delay	Cut Off Delay	Sensitivity	Hold Off Setpoint	Photocell On/Off	Ramp Up Time	Fade Down Time
WSC - Default	10V	1V	5 Minutes	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Minutes	1-5 Hours	Low, Med, Max	1-250FC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

*Settings can be field modified with the FSIR-100 Programming remote

PRK LED Specifications

Photometric Optical Summary

T1 - Type 1
Symmetrical Drive Lane



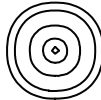
T3L - Type 3
Asymmetrical Perimeter



T5LR - Type 5
Symmetrical Concentrate



T5LS - Type 5
Symmetrical Wide

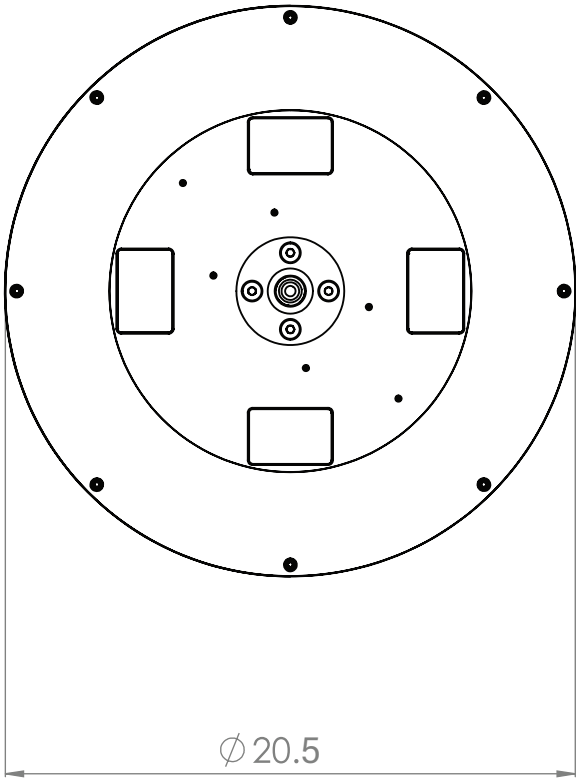
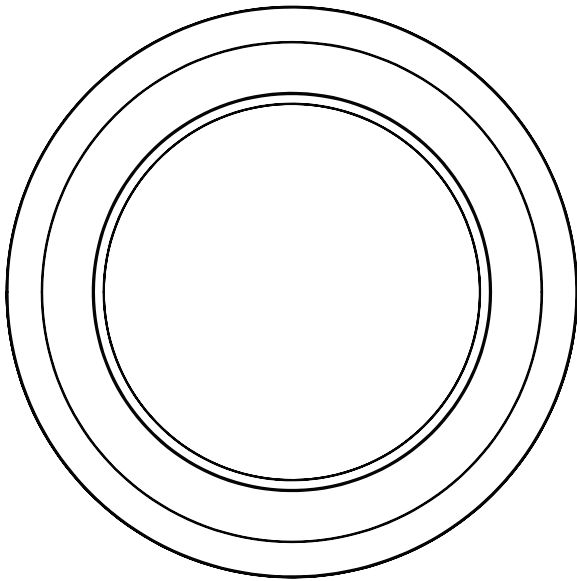
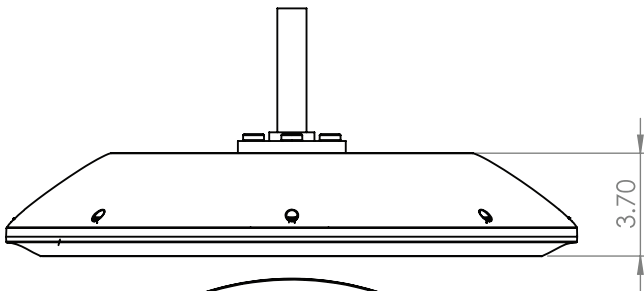


Dimensions

Width: PRK-1 20.5"

Height: PRK -1 3.7"

Weight: 20 LBS



LED Specifications **PRK**

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

LED Specifications **PRK**

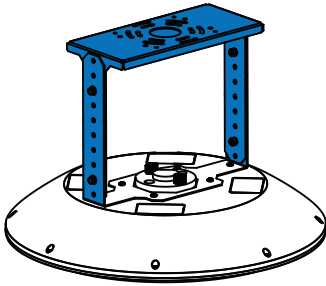
3000K EFFICACY				
T1	T3L	T5LS	T5LR	WATTAGE
126	125	126	125	25
126	125	126	127	35
124	124	125	127	45
122	121	122	126	55
115	113	115	126	65
125	122		124	75
122	113		122	85
115			120	95
			120	105
			118	115

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

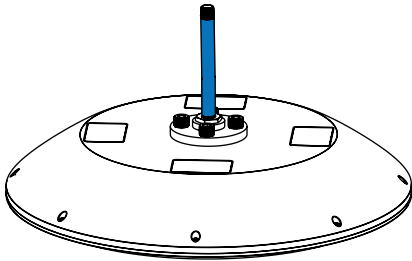
5000K EFFICACY				
T1	T3L	T5LS	T5LR	WATTAGE
127	127	128	126	25
127	127	128	128	35
125	125	126	128	45
123	122	123	127	55
116	114	116	127	65
126	123		125	75
123	114		123	85
116			121	95
			121	105
			119	115

PRK LED Specifications

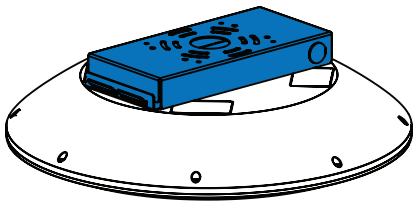
PRK LED Mounting and Options



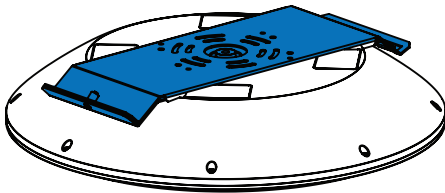
Trunnion Mount
Standard and
Tampered Screws



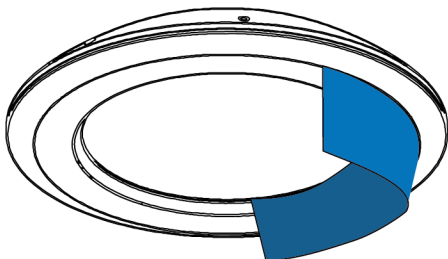
Pendant Mount
3/8 and 3/4" NPT Pipe
12, 24 & 36" Length



Ceiling Mount
Standard and Tampered
Screws

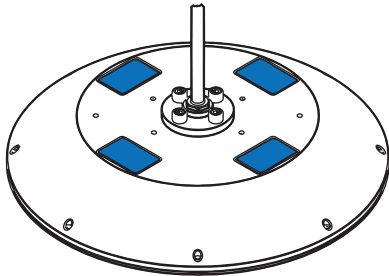


Low Profile Mount
Standard and Tampered
Screws

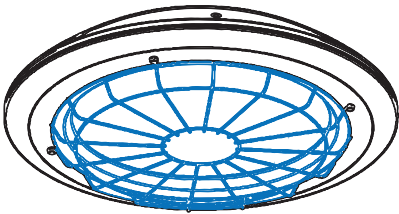


House Side Shield
Strict boundary line cutoff

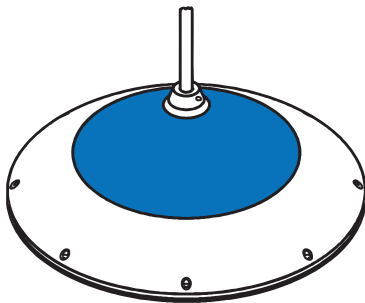
PRK LED Mounting and Options

**UPL**

Up-light 800 lumens

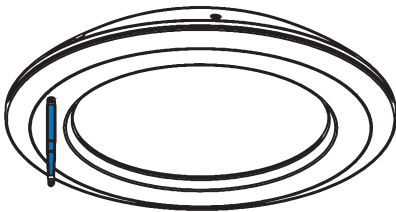
**WG**

Wire Guard

**WLG**

Wild Life Guard

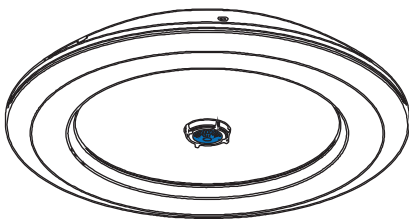
*Pendant Mount Only

**VWC**

Visionaire

Wireless Controls

*Consult Factory

**WSC-8**

Dimmable Motion Sensor 8' Mounting Height

WSC-20

Dimmable Motion Sensor 9-20' Mounting Height

WSC-40

Dimmable Motion Sensor 21-40' Mounting Height

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