ULI-21173
Light Linear PT 3 Single Head Streetlight

microVos TECHNOLOGY

LIGMAN LIGHTING USA

80w LED
8448 Lumens

Weight 65 lbs

IP65
Suitable for wet locations

IK08
Impact Resistant [Vandal Resistant]

EPA – 1.20

POLE INCLUDED

IoT Lightconnect

ida DARK SKY APPROVED 2016

TURTLE FRIENDLY

39.3"
3.5"

Mounting Detail
11.82"
8.27"
11.82"
8.27"
0.87x2.0"
4"
12.5"

microVos TECHNOLOGY

Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.

Type I	Type II	Type III

Type IV	Type V

The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.

HYBRID TYPE I & TYPE IV

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - U0 -G1

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C.
This process ensures that Ligman products can withstand harsh environments.
Rated for use in natatoriums.

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Public realm contemporary column family. Stylish but technically precise area lighting solutions as part of a large flexible family.

Light Linear PT is an elegant minimalistic lighting column that is suitable for both modern and classic architecture. Ideal for creating visual guidance with exceptional visual comfort. The dual sealed optical chamber with integrated heat sinks houses a range of field interchangeable optically controlled LED's, providing Type II, III, IV & V distribution, as well as variations of this for precise light distribution requirements.

An example of this, is using a combination of Type II and Type IV distribution optics inside the same fixture. This product range is available in multiple wattage options and as single & double head styles. Customer specific wattages can be provided, contact the factory for more information.

This luminaire complies to Dark Sky requirements.
The sleek and minimalistic shape provides distinctive lighting effects by night and decorative urban effect during the day. Suitable for use in pedestrian precincts, building surrounds, shopping centers, squares, parks and parking lots.

This product range is complemented with high performance optics in the bollard and wall mounted luminaires, to provide a consistent range of design aesthetics for the project. See website for more information. Poles can be provided with GFCI boxes positioned to specific heights specified by the customer. A flat low profile hand hole cover with vandal resistant screws is provided for easy installation.

Internal house side shields are available as an option.
Available with a selection of integral electronic drivers and dimming electronic drivers as well as a provision to install wireless lighting controls to integrate with building management systems, as well as pole mounted occupancy sensors [contact the factory for more information] Easy access to the luminaire for maintenance. (WATT-ADJ) This luminaire is provided with a programmable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly. (See options on page 2)
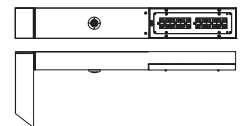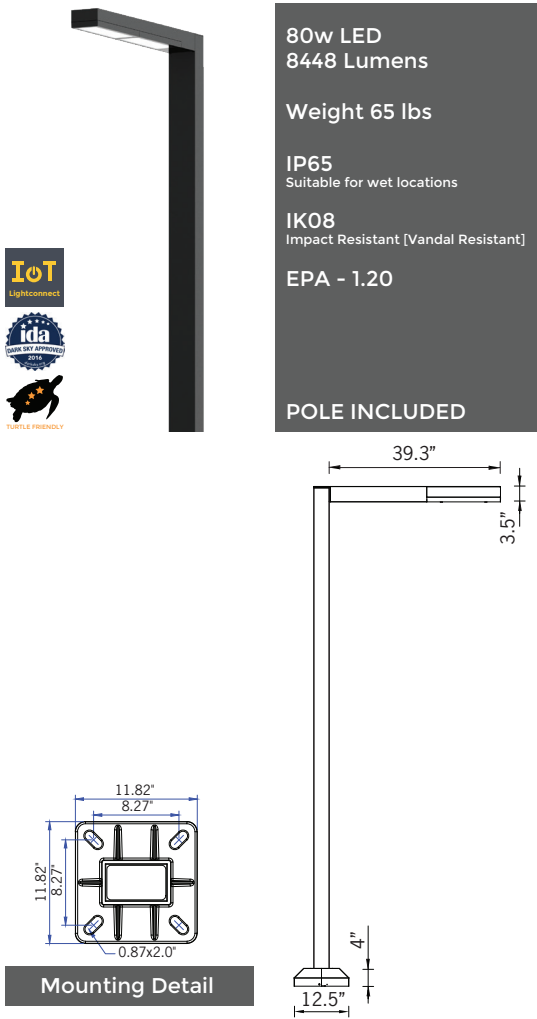
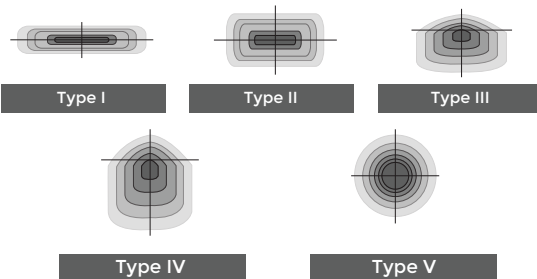## Additional Options (Consult Factory For Pricing)

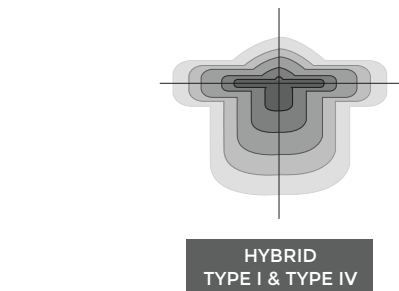| A90991 Zhaga Book 18	A90891 NEMA 7	OS Occupancy Sensor

LIGHTCONNECT IoT Ready Light Linear

(Shown with up & down configuration)

ULI-21173
Light Linear PT 3 Single Head Streetlight

microVOS TECHNOLOGY

LIGMAN LIGHTING USA

PROJECT	Ekwill Street at S. Patterson Avenue	DATE	4/28/22

QUANTITY	12	TYPE	P1A	NOTE	

ORDERING EXAMPLE || ULI - 21173 - 80w - T2 - W30 - 02 - 18' - 120/277v - Options

80W	T3	W40		20'	120/277
LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**POLE HEIGHT**	**VOLTAGE**

LAMP
80w LED
8448 Lumens

WATT-ADJ
Specify Watts
(80w MAX)

BEAM
T1 - Type I Distribution
T2 - Type II Distribution
T3 - Type III Distribution
T4 - Type IV Distribution

LED COLOR
W27 - 2700K
W30 - 3000K
W35 - 3500K
W40 - 4000K

FINISH COLOR
01 - BLACK RAL 9011
02 - DARK GREY RAL 7043
03 - WHITE RAL 9003
04 - METALLIC SILVER RAL 9006
05 - MATTE SILVER RAL 9006
06 - LIGMAN BRONZE
07 - CUSTOM RAL

POLE HEIGHT
8' - 20'
(For over 20', contact factory)

VOLTAGE
120/277v
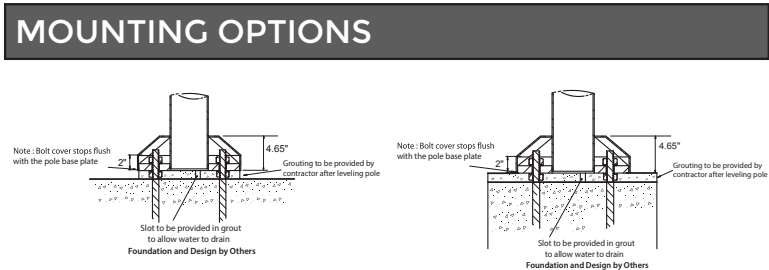Other - Specify

OS			

ADDITIONAL OPTIONS

DIM - 0-10v Dimming
NAT - Natatorium Rated
OS - Occupancy Sensor
AMB - Turtle Friendly Amber LED
GFCI - GFCI Box
WLC - Wireless Lighting Controls

HSS - House Side Shield
F - Frosted Lens
A90991-U - Zhaga Book 18 Mounted On Top of Fixture
A90991-D - Zhaga Book 18 Mounted Below Fixture
A90891 - NEMA 7

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

MOUNTING OPTIONS

Note : Bolt cover stops flush with the pole base plate
4.65"
2"
Grouting to be provided by contractor after leveling pole
Slot to be provided in grout to allow water to drain
Foundation and Design by Others

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Foundation and Design by Others

Light Linear PT Product Family

ULI-30011	ULI-30022	ULI-10021	ULI-10031	ULI-21181	ULI-21231	ULI-21251

ETL LISTED
c US
Intertek

ULI-21173
Light Linear PT 3 Single Head Streetlight

microVOS TECHNOLOGY

LIGMAN LIGHTING USA

PROJECT	Ekwill Street at S. Patterson Avenue	DATE	4/28/22

QUANTITY	2	TYPE	P1B	NOTE	

ORDERING EXAMPLE || ULI - 21173 - 80w - T2 - W30 - 02 - 18' - 120/277v - Options

80W	T4	W40		20'	120/277
LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**POLE HEIGHT**	**VOLTAGE**

LAMP	BEAM	LED COLOR	FINISH COLOR	POLE HEIGHT	VOLTAGE
80w LED	T1 - Type I Distribution	W27 - 2700K	01 - BLACK RAL 9011	8' - 20'	120/277v
8448 Lumens	T2 - Type II Distribution	W30 - 3000K	02 - DARK GREY RAL 7043	(For over 20', contact factory)	Other - Specify
	T3 - Type III Distribution	W35 - 3500K	03 - WHITE RAL 9003		
WATT-ADJ	T4 - Type IV Distribution	W40 - 4000K	04 - METALLIC SILVER RAL 9006		
Specify Watts			05 - MATTE SILVER RAL 9006		
(80w MAX)			06 - LIGMAN BRONZE		
			07 - CUSTOM RAL		

OS			

ADDITIONAL OPTIONS

DIM - 0-10v Dimming
NAT - Natatorium Rated
OS - Occupancy Sensor
AMB - Turtle Friendly Amber LED
GFCI - GFCI Box
WLC - Wireless Lighting Controls

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A90991-U - Zhaga Book 18 Mounted On Top of Fixture
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A90891 - NEMA 7

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

MOUNTING OPTIONS

Note : Bolt cover stops flush with the pole base plate
2"
4.65"
Grouting to be provided by contractor after leveling pole
Slot to be provided in grout to allow water to drain
Foundation and Design by Others

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Light Linear PT Product Family

ULI-30011	ULI-30022	ULI-10021	ULI-10031	ULI-21181	ULI-21231	ULI-21251

ETL LISTED / cULus / Intertek

HIGH/LOW/OFF PIR OUTDOOR PHOTO/MOTION SENSOR
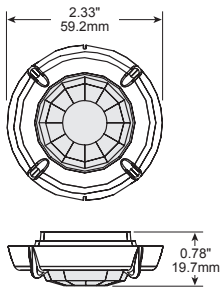## IP66 - legrand® Integrated photocell

LIGMAN LIGHTING USA

Ligman provides integrated photocell control using the wattstopper legrand FSP-211B.
These units are installed inside the fixture housing with only the external lenses being visible
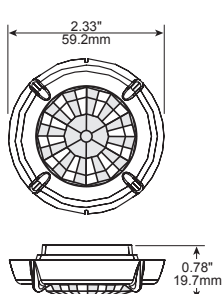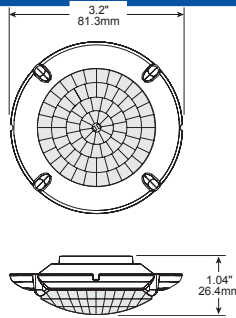
FSP-211B

Dimensions of Lens Options
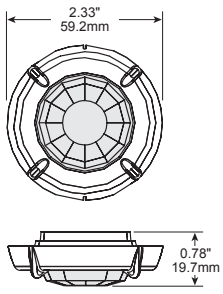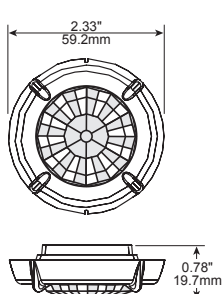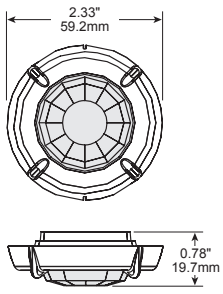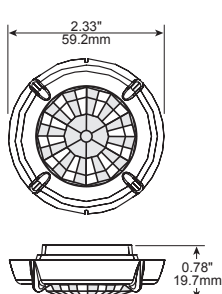
2.33" 59.2mm	2.33" 59.2mm	3.2" 81.3mm
0.78" 19.7mm	0.78" 19.7mm	1.04" 26.4mm
FSP-L2 dimensions	FSP-L3 dimensions	FSP-L7 dimensions

Product Overview

The FSP-221B is a family of passive infrared (PIR) outdoor sensors that raise or lower the electric lighting level to high, low or off based on motion and/or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient.

The integral photocell can also switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.

The sensors control 0-10VDC or nondimming LED drivers or ballasts.

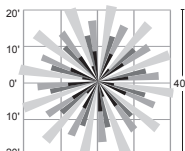The low voltage FSP-201B may be used with dim-to-off drivers or ballasts.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of sensor parameters including high/low mode, sensitivity, time delay, cut off and more.

The FSIR-100 can read current parameter settings, and stores up to six sensor parameter profiles to speed commissioning of multiple sensors.
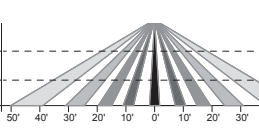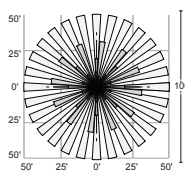
Models
FSP-211B, 120-277 VAC
FSP-221B, 100-347 VAC

Specifications and Features
Three interchangeable lenses for mounting between 8' and 40'

Remote setup and adjustment with handheld wireless configuration tool

Adjustable high and low modes (high: 0 to 10V, low: off, 0 to 9.8V)

Adjustable time delay (30 seconds, 1 to 30 minutes)

Adjustable cut off delay (none, 1 to 59 minutes, 1 to 5 hours)

Adjustable sensitivity/service mode (low, med, max; on-fix, off-fix)

Adjustable setpoints: hold off setpoint (none, 1 to 250 fc, auto); photocell on/off setpoint (1 to 250 fc)

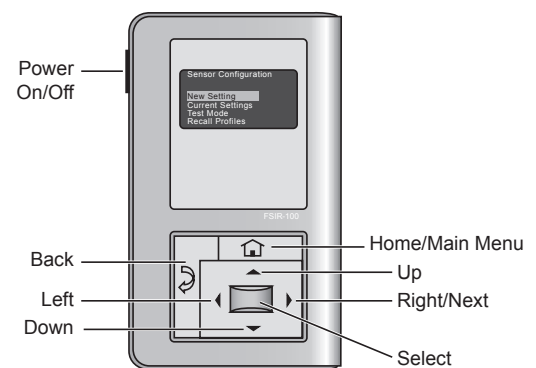Adjustable ramp and fade times (1 to 60 seconds)

Operating temperature: -40°F to +167°F (-40°C to +75°C)

IP66 rated

Five year warranty

Factory Defaults

High mode:	10V
Low mode:	1V
Time delay:	5 minutes
Cut off:	1 hour
Setpoint:	Disabled
Sensitivity:	Max
Ramp up time:	Disabled
Fade down time:	Disabled
Photocell On/Off:	Disabled

Coverage

FSP-L2 top and side coverage patterns
FSP-L3 top and side coverage patterns
FSP-L7 top and side coverage patterns

Power On/Off — Sensor Configuration / New Setting / Current Settings / Test Mode / Recall Profiles — FSIR-100

Back — Left — Down

Home/Main Menu — Up — Right/Next — Select

The **FSIR-100** is a convenient handheld remote tool for sensor setting.
Adjustable settings can be changed as needed for specific applications.

Catalog #	Color	Description
FSP-L2	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 48' diameter from 8' height
FSP-L3	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 40' diameter from 20' height
FSP-L7	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 100' diameter from 40' height
FSIR-100	Black	Remote Handheld Configuration Tool

ULI-21181
Light Linear PT 5 Double Head Streetlight

microVOS
TECHNOLOGY

LIGMAN LIGHTING USA

2x54w LED
2x6193 Lumens

Weight 81.1 lbs

IP65
Suitable for wet locations

IK08
Impact Resistant [Vandal Resistant]

EPA – 1.20

POLE INCLUDED

IoT Lightconnect

ida DARK SKY APPROVED 2016

TURTLE FRIENDLY

82.2"

3.5"

11.82"
8.27"

11.82"
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Mounting Detail

4"

12.5"

microVOS
TECHNOLOGY

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Type I
Type II
Type III

Type IV
Type V

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TYPE I & TYPE IV

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Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - U0 -G1

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C.
This process ensures that Ligman products can withstand harsh environments.
Rated for use in natatoriums.

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life
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Internal house side shields are available as an option.
Available with a selection of integral electronic drivers and dimming electronic drivers as well as a provision to install wireless lighting controls to integrate with building management systems, as well as pole mounted occupancy sensors [contact the factory for more information] Easy access to the luminaire for maintenance. (WATT-ADJ) This luminaire is provided with a programmable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly. (See options on page 2)
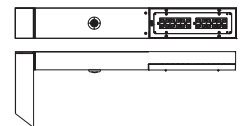
Additional Options (Consult Factory For Pricing)
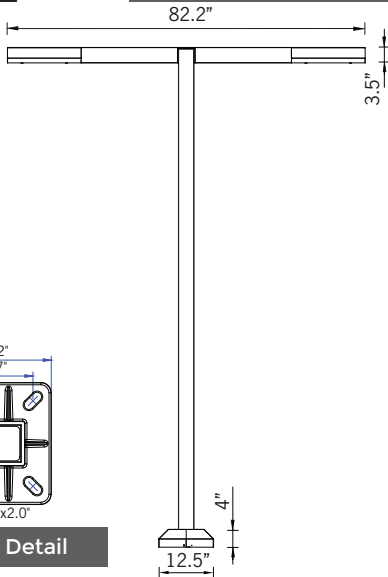
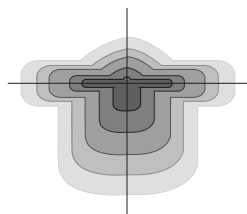| A90991 Zhaga Book 18	A90891 NEMA 7	OS Occupancy Sensor

LIGHTCONNECT IoT Ready Light Linear

(Shown with up & down configuration)

ULI-21181
Light Linear PT 5 Double Head Streetlight

microVOS TECHNOLOGY

LIGMAN LIGHTING USA

PROJECT	Ekwill Street at S. Patterson Avenue	DATE	

QUANTITY	2	TYPE	P2A	NOTE	

ORDERING EXAMPLE || ULI - 21181 - 2x54w - T2 - W30 - 02 - 18' - 120/277v - Options

2x54w	T3	W40		20'	120/277
LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**POLE HEIGHT**	**VOLTAGE**

LAMP
2x54w LED
2x6193 Lumens

WATT-ADJ
Specify Watts
(2x54w MAX)

BEAM
T1 - Type I Distribution
T2 - Type II Distribution
T3 - Type III Distribution
T4 - Type IV Distribution

LED COLOR
W27 - 2700K
W30 - 3000K
W35 - 3500K
W40 - 4000K

FINISH COLOR
01 – BLACK RAL 9011
02 – DARK GREY RAL 7043
03 – WHITE RAL 9003
04 – METALLIC SILVER RAL 9006
05 – MATTE SILVER RAL 9006
06 – LIGMAN BRONZE
07 – CUSTOM RAL

POLE HEIGHT
8' - 20'
(For over 20', contact factory)

VOLTAGE
120/277v
Other - Specify

OS			

ADDITIONAL OPTIONS

DIM - 0-10v Dimming
NAT - Natatorium Rated
OS - Occupancy Sensor
AMB - Turtle Friendly Amber LED
GFCI - GFCI Box
WLC - Wireless Lighting Controls

HSS - House Side Shield
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A90991-U - Zhaga Book 18 Mounted On Top of Fixture
A90991-D - Zhaga Book 18 Mounted Below Fixture
A90891 - NEMA 7

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

MOUNTING OPTIONS

Note : Bolt cover stops flush with the pole base plate
4.65"
2"
Grouting to be provided by contractor after leveling pole
Slot to be provided in grout to allow water to drain
Foundation and Design by Others

Note : Bolt cover stops flush with the pole base plate
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Light Linear PT Product Family

ULI-30011	ULI-30022	ULI-10021	ULI-10031	ULI-21171	ULI-21231	ULI-21251

c ETL US LISTED
Intertek

HIGH/LOW/OFF PIR OUTDOOR PHOTO/MOTION SENSOR
## IP66 - **legrand**® Integrated photocell

LiGMAN LIGHTING USA

Ligman provides integrated photocell control using the wattstopper legrand FSP-211B.
These units are installed inside the fixture housing with only the external lenses being visible
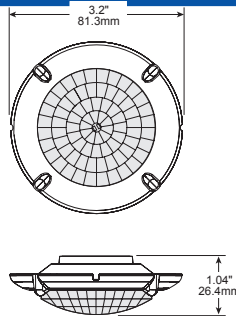
FSP-211B

Models

FSP-211B, 120-277 VAC

FSP-221B, 100-347 VAC

Specifications and Features

Three interchangeable lenses for mounting between 8' and 40'

Remote setup and adjustment with handheld wireless configuration tool

Adjustable high and low modes (high: 0 to 10V, low: off, 0 to 9.8V)

Adjustable time delay (30 seconds, 1 to 30 minutes)

Adjustable cut off delay (none, 1 to 59 minutes, 1 to 5 hours)

Adjustable sensitivity/service mode (low, med, max; on-fix, off-fix)

Adjustable setpoints: hold off setpoint (none, 1 to 250 fc, auto); photocell on/off setpoint (1 to 250 fc)

Adjustable ramp and fade times (1 to 60 seconds)

Operating temperature: -40°F to +167°F (-40°C to +75°C)

IP66 rated

Five year warranty

Dimensions of Lens Options

2.33" 59.2mm
0.78" 19.7mm
FSP-L2 dimensions

2.33" 59.2mm
0.78" 19.7mm
FSP-L3 dimensions

3.2" 81.3mm
1.04" 26.4mm
FSP-L7 dimensions

Product Overview

The FSP-221B is a family of passive infrared (PIR) outdoor sensors that raise or lower the electric lighting level to high, low or off based on motion and/or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient.

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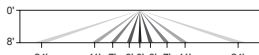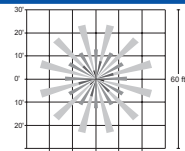
The sensors control 0-10VDC or nondimming LED drivers or ballasts.

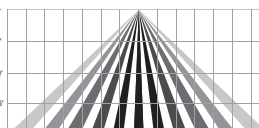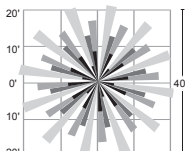The low voltage FSP-201B may be used with dim-to-off drivers or ballasts.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of sensor parameters including high/low mode, sensitivity, time delay, cut off and more.

The FSIR-100 can read current parameter settings, and stores up to six sensor parameter profiles to speed commissioning of multiple sensors.
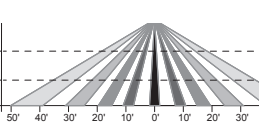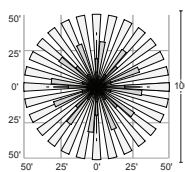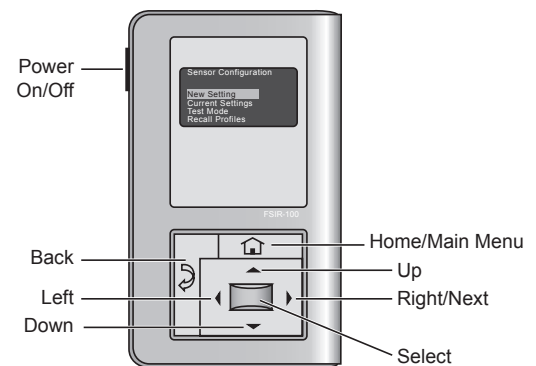
Factory Defaults

High mode:	10V
Low mode:	1V
Time delay:	5 minutes
Cut off:	1 hour
Setpoint:	Disabled
Sensitivity:	Max
Ramp up time:	Disabled
Fade down time:	Disabled
Photocell On/Off:	Disabled

Coverage

Power On/Off

Sensor Configuration
New Setting
Current Settings
Test Mode
Recall Profiles

FSIR-100

Back
Left
Down

Home/Main Menu
Up
Right/Next
Select

The **FSIR-100** is a convenient handheld remote tool for sensor setting.
Adjustable settings can be changed as needed for specific applications.

FSP-L2 top and side coverage patterns

FSP-L3 top and side coverage patterns

FSP-L7 top and side coverage patterns

Catalog #		Color	Description
☐	FSP-L2	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 48' diameter from 8' height
☐	FSP-L3	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 40' diameter from 20' height
☐	FSP-L7	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 100' diameter from 40' height
☐	FSIR-100	Black	Remote Handheld Configuration Tool

ULI-21183
Light Linear PT 5 Double Head Streetlight

microVOS TECHNOLOGY

LIGMAN LIGHTING USA

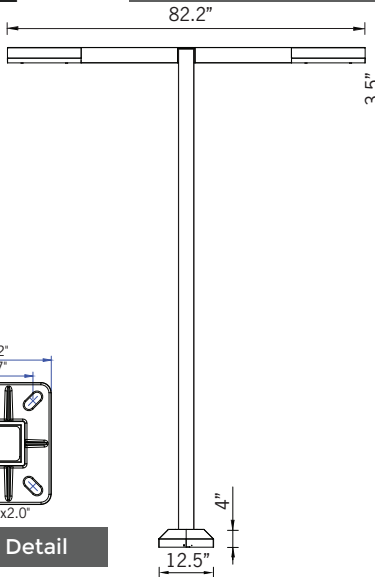**2x80w LED**
2x8448 Lumens

Weight 81.1 lbs

IP65
Suitable for wet locations

IK08
Impact Resistant [Vandal Resistant]

EPA – 1.20

POLE INCLUDED

IoT Lightconnect

ida DARK SKY APPROVED 2016

TURTLE FRIENDLY

82.2"

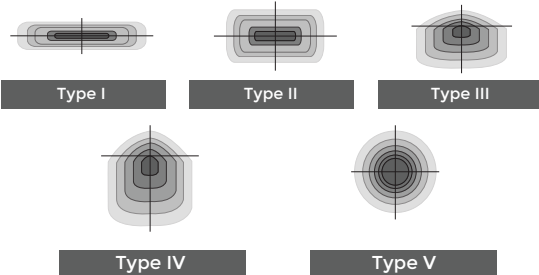3.5"

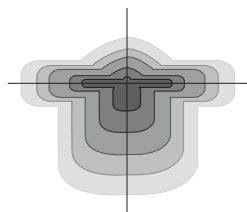11.82"
8.27"

11.82"
8.27"

0.87x2.0"

Mounting Detail

4"

12.5"

microVOS TECHNOLOGY

Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.

Type I	Type II	Type III

Type IV	Type V

The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.

HYBRID
TYPE I & TYPE IV

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - U0 - G1

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C.
This process ensures that Ligman products can withstand harsh environments.
Rated for use in natatoriums.

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Public realm contemporary column family. Stylish but technically precise area lighting solutions as part of a large flexible family.

Light Linear PT is an elegant minimalistic lighting column that is suitable for both modern and classic architecture. Ideal for creating visual guidance with exceptional visual comfort. The dual sealed optical chamber with integrated heat sinks houses a range of field interchangeable optically controlled LED's, providing Type II, III, IV & V distribution, as well as variations of this for precise light distribution requirements.

An example of this, is using a combination of Type II and Type IV distribution optics inside the same fixture. This product range is available in multiple wattage options and as single & double head styles. Customer specific wattages can be provided, contact the factory for more information.

This luminaire complies to Dark Sky requirements.
The sleek and minimalistic shape provides distinctive lighting effects by night and decorative urban effect during the day. Suitable for use in pedestrian precincts, building surrounds, shopping centers, squares, parks and parking lots.

This product range is complemented with high performance optics in the bollard and wall mounted luminaires, to provide a consistent range of design aesthetics for the project. See website for more information. Poles can be provided with GFCI boxes positioned to specific heights specified by the customer. A flat low profile hand hole cover with vandal resistant screws is provided for easy installation.

Internal house side shields are available as an option.
Available with a selection of integral electronic drivers and dimming electronic drivers as well as a provision to install wireless lighting controls to integrate with building management systems, as well as pole mounted occupancy sensors [contact the factory for more information] Easy access to the luminaire for maintenance. (WATT-ADJ) This luminaire is provided with a programmable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly. (See options on page 2)
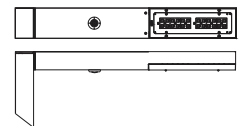
Additional Options (Consult Factory For Pricing)

A90991 Zhaga Book 18	A90891 NEMA 7	OS Occupancy Sensor

LIGHTCONNECT IoT Ready Light Linear

(Shown with up & down configuration)

ULI-21183
Light Linear PT 5 Double Head Streetlight

microVos TECHNOLOGY

LIGMAN LIGHTING USA

PROJECT	Ekwill Street at S. Patterson Avenue	DATE	4/28/22

QUANTITY	2	TYPE	P2B	NOTE	

ORDERING EXAMPLE || ULI - 21183 - 2x80w - T2 - W30 - 02 - 18' - 120/277v - Options

2x80w	T3	W40		20'	120/277
LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**POLE HEIGHT**	**VOLTAGE**

LAMP	BEAM	LED COLOR	FINISH COLOR	POLE HEIGHT	VOLTAGE
2x80w LED	T1 - Type I Distribution	W27 - 2700K	01 - BLACK RAL 9011	8' - 20'	120/277v
2x8448 Lumens	T2 - Type II Distribution	W30 - 3000K	02 - DARK GREY RAL 7043	(For over 20', contact factory)	Other - Specify
	T3 - Type III Distribution	W35 - 3500K	03 - WHITE RAL 9003		
WATT-ADJ	T4 - Type IV Distribution	W40 - 4000K	04 - METALLIC SILVER RAL 9006		
Specify Watts			05 - MATTE SILVER RAL 9006		
(2x80w MAX)			06 - LIGMAN BRONZE		
			07 - CUSTOM RAL		

OS

ADDITIONAL OPTIONS

DIM - 0-10v Dimming
NAT - Natatorium Rated
OS - Occupancy Sensor
AMB - Turtle Friendly Amber LED
GFCI - GFCI Box
WLC - Wireless Lighting Controls

HSS - House Side Shield
F - Frosted Lens
A90991-U - Zhaga Book 18 Mounted On Top of Fixture
A90991-D - Zhaga Book 18 Mounted Below Fixture
A90891 - NEMA 7

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

MOUNTING OPTIONS

Note : Bolt cover stops flush with the pole base plate
4.65"
2"
Grouting to be provided by contractor after leveling pole
Slot to be provided in grout to allow water to drain
Foundation and Design by Others

Light Linear PT Product Family

| ULI-30011 | ULI-30022 | ULI-10021 | ULI-10031 | ULI-21171 | ULI-21231 | ULI-21251 |

ETL LISTED
c US
Intertek

ULI-21183
Light Linear PT 5 Double Head Streetlight

microVOS TECHNOLOGY

LIGMAN LIGHTING USA

PROJECT	Ekwill Street at S. Patterson Avenue	DATE	4/28/22

QUANTITY	5	TYPE	P2C	NOTE	

ORDERING EXAMPLE || ULI - 21183 - 2x80w - T2 - W30 - 02 - 18' - 120/277v - Options

2x80w	T4	W40		20'	120/277
LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**POLE HEIGHT**	**VOLTAGE**

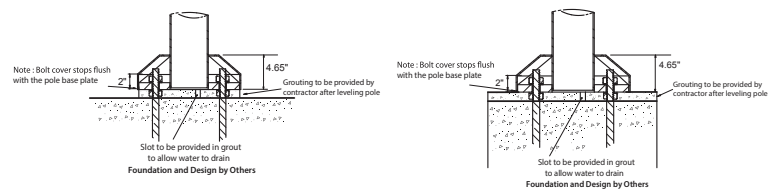| LAMP	BEAM	LED COLOR	FINISH COLOR	POLE HEIGHT	VOLTAGE
2x80w LED	T1 - Type I Distribution	W27 - 2700K	01 - BLACK RAL 9011	8' - 20'	120/277v
2x8448 Lumens	T2 - Type II Distribution	W30 - 3000K	02 - DARK GREY RAL 7043	(For over 20', contact factory)	Other - Specify
	T3 - Type III Distribution	W35 - 3500K	03 - WHITE RAL 9003		
WATT-ADJ	T4 - Type IV Distribution	W40 - 4000K	04 - METALLIC SILVER RAL 9006		
Specify Watts			05 - MATTE SILVER RAL 9006		
(2x80w MAX)			06 - LIGMAN BRONZE		
			07 - CUSTOM RAL		

OS			

ADDITIONAL OPTIONS

DIM - 0-10v Dimming

NAT - Natatorium Rated

OS - Occupancy Sensor

AMB - Turtle Friendly Amber LED

GFCI - GFCI Box

WLC - Wireless Lighting Controls

HSS - House Side Shield

F - Frosted Lens

A90991-U - Zhaga Book 18 Mounted On Top of Fixture

A90991-D - Zhaga Book 18 Mounted Below Fixture

A90891 - NEMA 7

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

MOUNTING OPTIONS

Note : Bolt cover stops flush with the pole base plate
4.65"
2"
Grouting to be provided by contractor after leveling pole
Slot to be provided in grout to allow water to drain
Foundation and Design by Others

Note : Bolt cover stops flush with the pole base plate
4.65"
2"
Grouting to be provided by contractor after leveling pole
Slot to be provided in grout to allow water to drain
Foundation and Design by Others

Light Linear PT Product Family

ULI-30011	ULI-30022	ULI-10021	ULI-10031	ULI-21171	ULI-21231	ULI-21251

ETL LISTED c US
Intertek

HIGH/LOW/OFF PIR OUTDOOR PHOTO/MOTION SENSOR

IP66 - legrand® Integrated photocell

LIGMAN LIGHTING USA

Ligman provides integrated photocell control using the wattstopper legrand FSP-211B. These units are installed inside the fixture housing with only the external lenses being visible
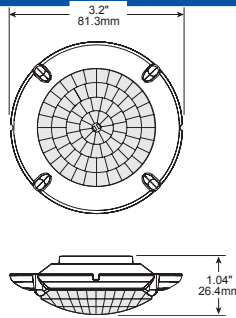
FSP-211B

Models

FSP-211B, 120-277 VAC

FSP-221B, 100-347 VAC

Specifications and Features

Three interchangeable lenses for mounting between 8' and 40'

Remote setup and adjustment with handheld wireless configuration tool

Adjustable high and low modes (high: 0 to 10V, low: off, 0 to 9.8V)

Adjustable time delay (30 seconds, 1 to 30 minutes)

Adjustable cut off delay (none, 1 to 59 minutes, 1 to 5 hours)

Adjustable sensitivity/service mode (low, med, max; on-fix, off-fix)

Adjustable setpoints: hold off setpoint (none, 1 to 250 fc, auto); photocell on/off setpoint (1 to 250 fc)

Adjustable ramp and fade times (1 to 60 seconds)

Operating temperature: -40°F to +167°F (-40°C to +75°C)

IP66 rated

Five year warranty

Dimensions of Lens Options

2.33" 59.2mm
0.78" 19.7mm
FSP-L2 dimensions

2.33" 59.2mm
0.78" 19.7mm
FSP-L3 dimensions

3.2" 81.3mm
1.04" 26.4mm
FSP-L7 dimensions

Factory Defaults

High mode:	10V
Low mode:	1V
Time delay:	5 minutes
Cut off:	1 hour
Setpoint:	Disabled
Sensitivity:	Max
Ramp up time:	Disabled
Fade down time:	Disabled
Photocell On/Off:	Disabled

Product Overview

The FSP-221B is a family of passive infrared (PIR) outdoor sensors that raise or lower the electric lighting level to high, low or off based on motion and/or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient.

The integral photocell can also switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.
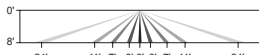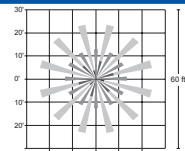
The sensors control 0-10VDC or nondimming LED drivers or ballasts.

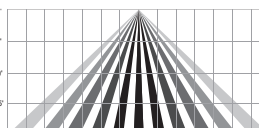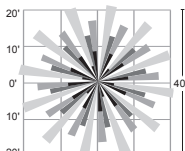The low voltage FSP-201B may be used with dim-to-off drivers or ballasts.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of sensor parameters including high/low mode, sensitivity, time delay, cut off and more.

The FSIR-100 can read current parameter settings, and stores up to six sensor parameter profiles to speed commissioning of multiple sensors.
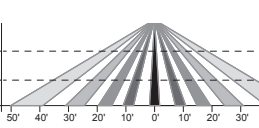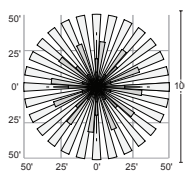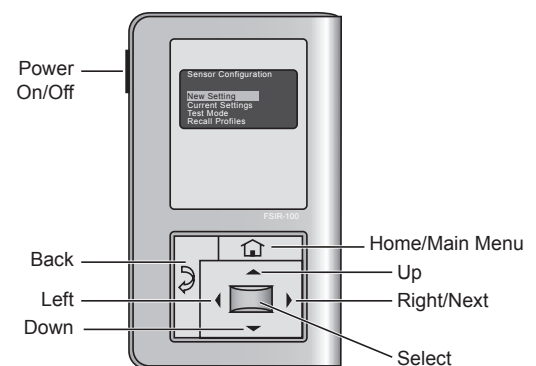
Coverage

FSP-L2 top and side coverage patterns

FSP-L3 top and side coverage patterns

FSP-L7 top and side coverage patterns

Power On/Off

Back

Left

Down

Home/Main Menu

Up

Right/Next

Select

Sensor Configuration
New Setting
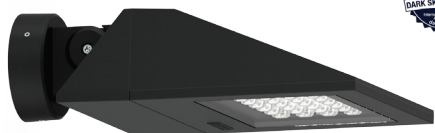Current Settings
Test Mode
Recall Profiles

FSIR-100

The **FSIR-100** is a convenient handheld remote tool for sensor setting.
Adjustable settings can be changed as needed for specific applications.

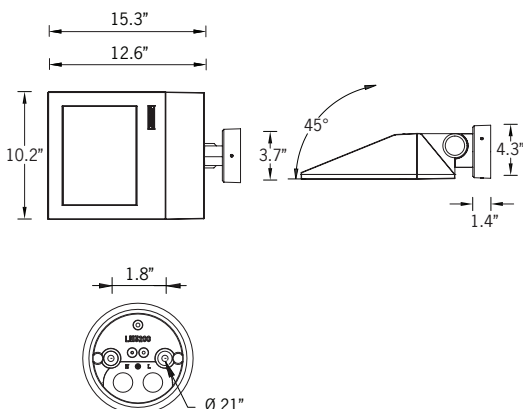| Catalog #		Color	Description
☐	FSP-L2	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 48' diameter from 8' height
☐	FSP-L3	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 40' diameter from 20' height
☐	FSP-L7	White/Grey/Black/Brown The Trim color option will be selected to closest match fixture color. e.g [Matte silver fixture - grey trim]	360° lens, maximum coverage 100' diameter from 40' height
☐	FSIR-100	Black	Remote Handheld Configuration Tool

UVK-30042
Vekter 10 Large Adjustable Arm

microVOS
TECHNOLOGY

LiGMAN
LIGHTING USA

ida
DARK SKY APPROVED
International Dark City Association

54w LED 6879 Lumens
IP65 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight - 14.5 lbs

15.3"
12.6"
10.2"
45°
3.7"
4.3"
1.4"
1.8"
Ø.21"

Mounting Detail

microVOS
TECHNOLOGY
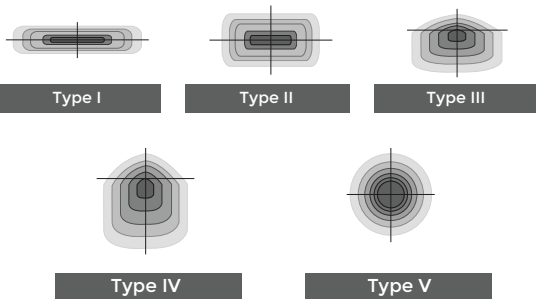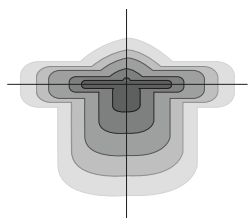
Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.

| Type I | Type II | Type III |

| Type IV | Type V |

The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.

HYBRID
TYPE I & TYPE IV

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B2 - U0 - G0

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C.
This process ensures that Ligman products can withstand harsh environments.
Rated for use in natatoriums.

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Flexible wall-mounted floodlighting and area luminaires. Sleek, angular, technical and powerful professional lighting solutions.

A wedge shaped range of small profile wall mounted luminaires, with no visible external hardware for use in uplight or downlight applications. This product is provided with a range of high powered LEDs with a selection of optics.

The Vekter is unique as it is available with Type II, III, IV & V light distribution options that facilitates wider spacing and even light distribution between the light fixtures. Wide spacings of up to 40' on center can be achieved using a type II optic with uniformity that complies to path of egress requirements. This provides higher energy saving and reduced installation costs. The Vekter can be manufactured using different type beam optics to achieve custom distribution, e.g using type II and type IV optics inside the same luminaire.

Integral electronic control gear is housed in a special waterproof box that can be detached from the optical chamber for easy installation. Mounting plate for 3" and 4" junction box is provided with the fixture. Matching surface mount conduit boxes are available as an option.

The Vekter is suitable for lighting footpaths, building facades, building entrances and parking areas around buildings.

Additional Options (Consult Factory For Pricing)
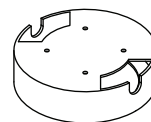
SCE
Surface Conduit Decorative Trim

UVK-30042
Vekter 10 Large Adjustable Arm

microVos TECHNOLOGY

LIGMAN LIGHTING USA

PROJECT	Ekwill Street at S. Patterson Avenue	DATE	4/28/22

QUANTITY	2	TYPE	F1	NOTE	

ORDERING EXAMPLE || UVK - 30042 - 54w - T2 - W30 - 02 - 120/277v - Options

---

UVK-30042	54w	T4	W40		120/277
	LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**VOLTAGE**

LAMP
54w LED
6879 Lumens

BEAM
T1 - Type I Distribution
T2 - Type II Distribution
T3 - Type III Distribution
T4 - Type IV Distribution
M - Medium 32°
W - Wide 52°
VW - Very Wide 65°
EW - Extra Wide 108°

LED COLOR
W27 - 2700K
W30 - 3000K
W35 - 3500K
W40 - 4000K

FINISH COLOR
01 - BLACK RAL 9011
02 - DARK GREY RAL 7043
03 - WHITE RAL 9003
04 - METALLIC SILVER RAL 9006
05 - MATTE SILVER RAL 9006
06 - LIGMAN BRONZE
07 - CUSTOM RAL

VOLTAGE
120/277v
Other - Specify

ADDITIONAL OPTIONS

NAT - Natatorium Rated
DIM - 0-10v Dimming
SCE - Surface Conduit Decorative Trim

F - Frosted Lens
EMR - Remote Emergency Pack

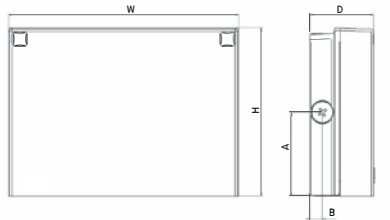## Vekter Product Family

UVK-30001	UVK-30003	UVK-30011	UVK-30031	UVK-30041	UVK-10001	UVK-10011	UVK-90001

UVK-90011	UVK-90021	UVK-20001	UVK-20011

ETL Listed c us
Intertek

WPX LED
Wall Packs

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Specifications

Front View   Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series		Color Temperature		Voltage		Options		Finish	
WPX1 LED P1	1,550 Lumens, 11W [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	Note : For other options, consult factory.	

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES
1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
   Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution.

CONSTRUCTION
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).
All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION
WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

| Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WPX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND
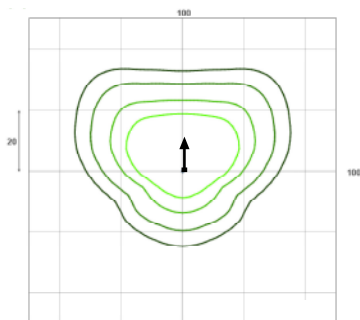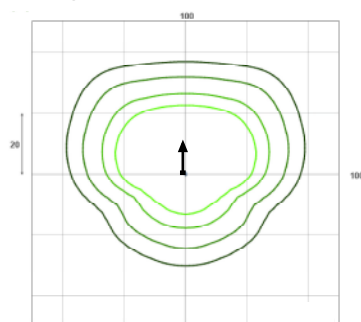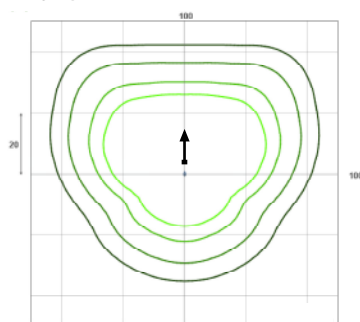- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

WPX1 LED P1
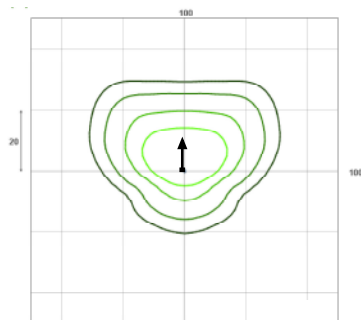
WPX1 LED P2

WPX2 LED

WPX3 LED

Mounting Height = 12 Feet.

LED wall luminaire - light output on two sides

BEGA

Application
This LED wall luminaire has light output in two directions. It is ideal for upward and downward lighting effects for interior and exterior locations. Arranged individually or in groups, this is a great design element for a host of lighting applications.

Materials
Luminaire housing constructed of die-cast marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
White safety glass
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 64
Weight: 2.7 lbs

Electrical
Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	7.9 W
System wattage	11 W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	548 lumens (3000K)
Lifetime at Ta = 15° C	50,000 h (L70)

LED color temperature
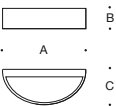☐ 4000K - Product number + **K4**
○ 3500K - Product number + **K35**
○ 3000K - Product number + **K3**
○ 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors ☐ Black (BLK)   ○ White (WHT)   ○ RAL:
                  ○ Bronze (BRZ)   ○ Silver (SLV)   ○ CUS:

Type: **W2**
BEGA Product: 33326
Project: Ekwill Street at S. Patterson Avenue
Modified:

LED wall luminaire · light output on two sides

	LED	A	B	C	Required wiring box
33 326	7.9 W	11 ¾	2 ⅛	5 ½	19 537

LED wall luminaire - shielded with forward throw

BEGA

Application
This wall mounted LED luminaire features a forward throw light distribution and is designed for the general illumination of pathways and walkways from various mounting heights. Downlight applications only.

Materials
Luminaire housing constructed of die-cast marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
Clear safety glass with optical texture
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 64
Weight: 3.7 lbs

Electrical
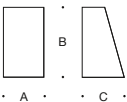|	
Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	13.9 W
System wattage	17 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	1659 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 50° C	101,000 h (L70)

LED color temperature
○ 4000K - Product number + **K4**
○ 3500K - Product number + **K35**
○ 3000K - Product number + **K3**
○ 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors ○ Black (BLK)   ○ White (WHT)   ○ RAL:
　　　　　　　　　 ○ Bronze (BRZ) ○ Silver (SLV) ○ CUS:

Type: W3
BEGA Product: 33817
Project: Ekwill Street at S. Patterson Avenue
Modified:

LED wall luminaire · shielded with forward throw

	LED	A	B	C
33817	13.9 W	5 1/8	9 1/8	5 3/8