

UBE-20021

Benton 5 Light Column With Floodlight



DOWNLIGHT

40w COB
2,489 Lumens

65° Optic

FLOODLIGHT

21w COB
1,622 Lumens

IP65

Suitable for wet locations

IK08

Impact Resistant [Vandal Resistant]

EPA - 0.798m² → 8.58ft²

Weight 82.4 lbs

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.

MicroPRIM Finishes

MicroPRIM is Ligman's trade marked decorative powder coating technology that permanently infuses colors, patterns, or imagery directly into the surface of luminaires and poles while providing protections that standard powder coating does not offer.

MicroPRIM finishes include nature-inspired wood grains and stone aesthetics, material-inspired finishes such as brushed metal, concrete, and carbon fiber. Solid colors in Ligman standard colors, as well as any RAL or Pantone color, Decorative patterns, custom imagery and more.

Coating and Infusion Process

Metal components are pre-treated and powder coated with a proprietary polyurethane-based coating engineered for outdoor architectural use. Decorative patterns or imagery are then permanently infused into the cured powder coat through a heat-based process, creating a durable, integrated finish.

Performance and Validation

MicroPRIM finishes are suitable for indoor and outdoor applications and meet AAMA2605 architectural coating requirements. Performance is validated through laboratory and real-world testing to ASTM standards for UV exposure, adhesion, abrasion, impact, salt spray, chemical resistance, and graffiti resistance.

All MicroPRIM finishes are backed by Ligman's 10-year warranty.

Key Performance Attributes

- Anti-graffiti resistance
- UV and weather resistance
- Scratch and abrasion resistance
- Natatorium Rated for installation in corrosive environments

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)

Modern urban lighting furniture.

Fashionable contemporary structures creating glare-free soft illumination patterns and available with optional top-mounted adjustable accent spotlights.

A stylish, high performance round light column featuring downward illumination using **COB LED technology**. This column provides excellent visual comfort through precise **glare controlled optics** engineered by Ligman. Its circular design produces a wide distribution that creates an attractive **clover leaf lighting pattern** on surrounding surfaces. The internal faces of the supporting pillars are subtly illuminated by the LED, adding a refined architectural accent.

Available in **2700K, 3000K, 3500K, and 4000K** color temperatures, the Benton Column combines a minimalistic form with distinctive nighttime visual effects and a clean, contemporary daytime appearance. It is ideal for pedestrian areas, plazas, building surrounds, retail centers, squares, and parks.

The Benton Column features a **waterproof internal driver compartment** located at the top of the pole to prevent water and dust intrusion into critical electrical components. Each unit is supplied **fully pre wired** with a power cord and waterproof gland from the driver housing to the column base for fast, trouble free installation.

Custom column heights are available upon request. Each luminaire includes anchor bolts and a **high quality die cast aluminum anchor bolt cover**.

Reduced wattages and dimming configurations can be specified to meet **Title 24** or project specific requirements.

(Please indicate required total wattage per fixture.)

• **NOTE: For the square version of the Benton, please see the Vancouver Light Column and Bollard**

Additional Options (Consult Factory For Pricing)

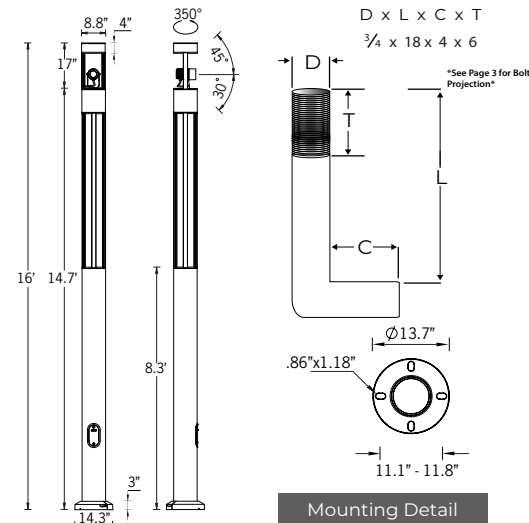


Motion Sensor
Only



24" above
base
Opposite
Handhole

GFCI
BOX



Mounting Detail

Poles are rated for 100 mph wind load. For geographical areas with higher wind speeds, please contact Ligman.



UBE-20021

Benton 5 Light Column With Floodlight



PROJECT					DATE	
QUANTITY		TYPE		NOTE		

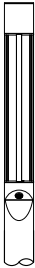
ORDERING EXAMPLE || UBE - 20021 - 40w - M - W30 - 02 - 120/277v - Options

UBE-20021					
LAMP	FLOODLIGHT BEAM	LED COLOR	FINISH COLOR	VOLTAGE	
DOWNLIGHT 40w COB 2,489 Lumens	M - Medium 28° W - Wide 35° VW - Very Wide 46°	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	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	120/277v	
FLOODLIGHT 21w COB 1,622 Lumens	EW - Extra Wide 75°				

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ADDITIONAL OPTIONS

- DIM - 0-10v Dimming
- NAT - Natatorium Rated
- GFCI - GFCI Box (Positioned 24" Above Base Opposite Handhole)
- HGT - Custom Height (Specify)
- HSS - House Side Shield



Motion Sensor Only

DICHROIC COLOR FILTERS

A20216 - Red Lens
A20217 - Blue Lens
A20218 - Amber Lens
A20219 - Green Lens

Example of Blue Dichroic Color Filter

More Custom Finishes Available Upon Request

Consult factory for pricing and lead times

MicroPRIM FINISHES

- | | |
|--|-----------------------------|
| | SW01 - OAK FINISH |
| | SW02 - WALNUT FINISH |
| | SW03- PINE FINISH |
| | DF - DOUGLAS FIR FINISH |
| | CW - CHERRY WOOD FINISH |
| | NW - NATIONAL WALNUT FINISH |
| | SU01 - CONCRETE FINISH |
| | SU02 - SOFTSCAPE FINISH |
| | SU03 - STONE FINISH |
| | SU04 - CORTEN FINISH |
| | CSM - Custom Image/Pattern |

MicroPRIM FINISHES

- | | |
|--|------------------------------|
| | MP - MAPLE FINISH |
| | MHG - MAHOGANY FINISH |
| | BH - BEECH FINISH |
| | CN - CHESTNUT FINISH |
| | WMBL - WHITE MARBLE FINISH |
| | MBL - MARBLE FINISH |
| | GRNT - GRANITE FINISH |
| | BGD - BRUSHED GOLD FINISH |
| | BBRZ - BRUSHED BRONZE FINISH |
| | CAMO - CAMOUFLAGE FINISH |

- | | |
|--|---|
| | MP01 - MicroPRIM RAL 9011 Black (Glossy) |
| | MP02 - MicroPRIM RAL 7043 Dark Grey (Glossy) |
| | MP03 - MicroPRIM RAL 9003 White (Glossy) |
| | MP04 - MicroPRIM RAL 9006 Metallic Silver (Glossy) |
| | MP05 - MicroPRIM RAL 9006 Matte Silver (Matte/Textured) |
| | MP06 - MicroPRIM Ligman Bronze (Glossy) |
| | MP07 - MicroPRIM Custom Color (Glossy) |



MicroPRIM Finish

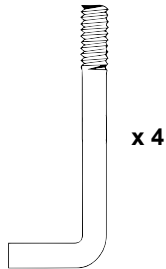


Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.

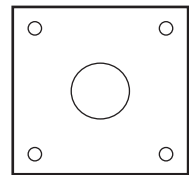
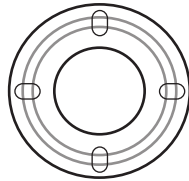


Anchor Bolt Installation for Poles

What's Included Per Pole



x 4



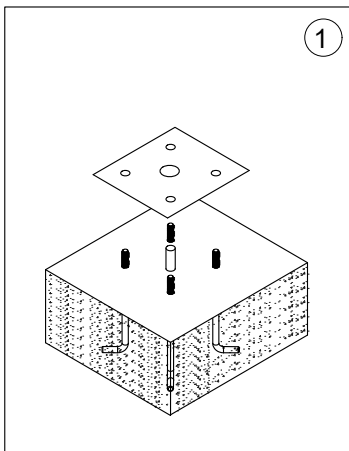
x 8



x 8

A single anchor bolt template is provided per pole size to be used for the poles on the project.

Anchor bolt template may be round or square dependant upon which pole is being used.



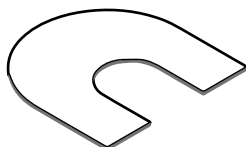
Use anchor bolt template to set anchor bolts into concrete as per civil engineering instructions.

Ligman does not provide foundation details. A local engineer that is familiar with the site soil conditions should provide this information.

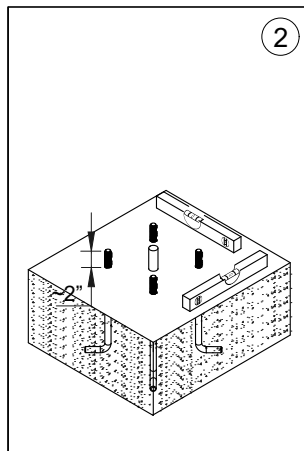
NOTE:

Ligman does not recommend using leveling Shims for pole installations.

Leveling shims can be provided, contact Ligman for more information.

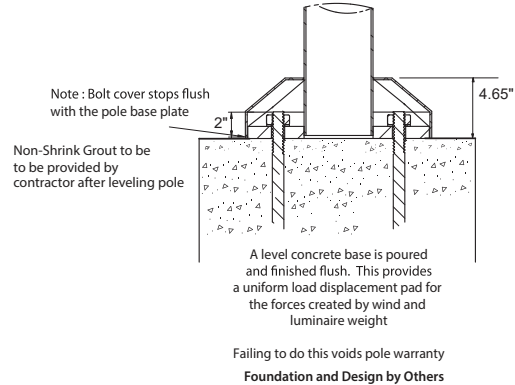


Leveling Shim Example



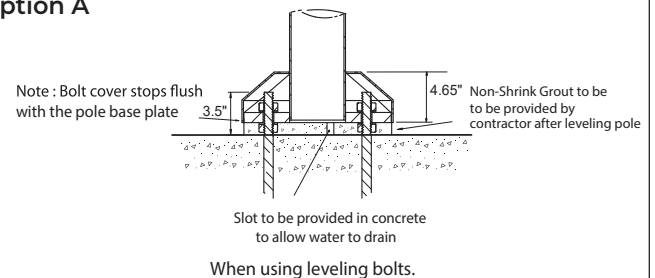
Ensure that the concrete is plumb using a level. Failing to do this will result in pole being uneven or tilted.

Preferred Pole Installation



In rare instances where leveling bolts have to be used, it is important that a flush concrete surface is created to mount the pole base plate.
NOTE: When using leveling bolts, bolt projection should be 3.5"

Using Leveling Bolts Option A

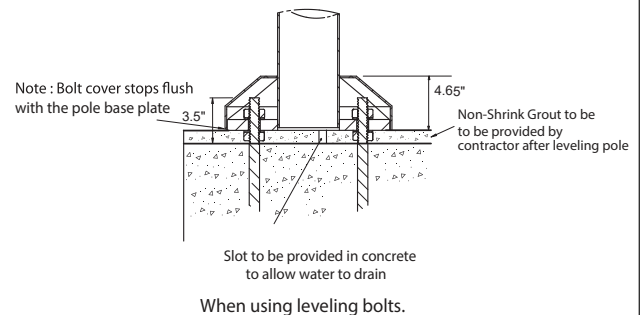


After establishing a level platform the space between the original concrete surface and the pole base should be filled with concrete and finished flush.

This provides a uniform load displacement pad for the forces created by wind and luminaire weight

Foundation and Design by Others

Using Leveling Bolts Option B



After establishing a level platform the space between the original concrete surface and the pole base should be filled with concrete and finished flush.

This provides a uniform load displacement pad for the forces created by wind and luminaire weight

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

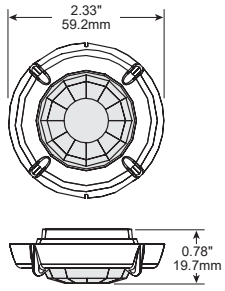
LIGMAN
LIGHTING USA

Ligman provides integrated photocell control using the wattstopper legrand FSP-221B. These units are installed inside the fixture housing with only the external lenses being visible

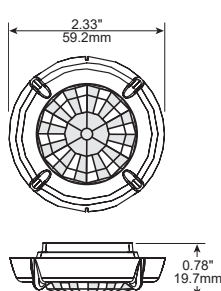


FSP-221B

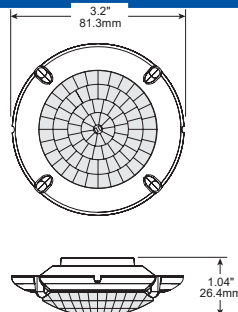
Dimensions of Lens Options



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.

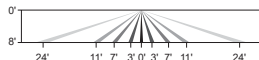
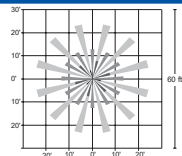
The sensors control 0-10VDC or nondimming LED drivers or ballasts.

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

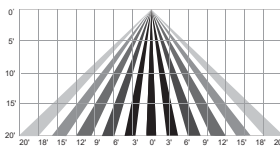
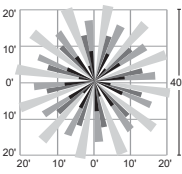
Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of sensor parameters including high/low mode, sensitivity, time delay, cut off and more.

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

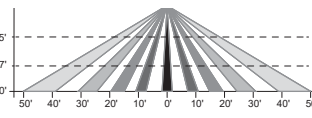
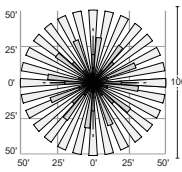
Coverage



FSP-L2 top and side coverage patterns



FSP-L3 top and side coverage patterns



FSP-L7 top and side coverage patterns

Models

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)

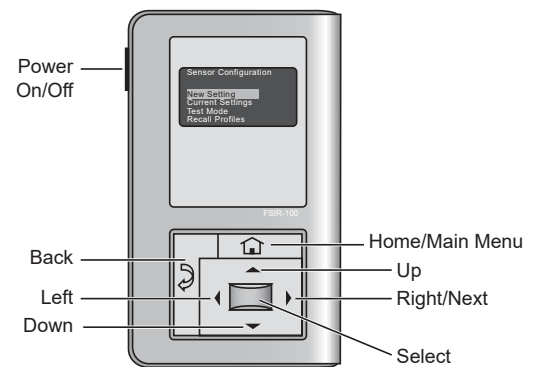
Operating temperature: -40°F to +167°F (-40°C to +75°C)

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



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