LumenFécus



| Project: | | |
|-----------|--|--|
| Location: | | |
| Cat. #: | | |
| Туре: | | |
| Quantity: | | |
| | | |

LED

PBL G2 HD-2 | Premium LED Heavy Duty High Bay

Features:

- High performance LED technology
- 0-10V dimming drivers standard on all models - dimmable to <10% on all models, with most dimmable to 1%
- DALI drivers available based on configuration
- Field replaceable LED boards and drivers through Re-boardABILITY (more info on Page 3)
- Frosted diffusers available to help minimize glare and improve aesthetics
- A wide variety of lumen packages allows for flexibility in design and helps maximize energy savings
- Multiple controls options available
- The PBL G2's unibody design is surface mountable with easy access to the driver compartment from below

• Buy American Act compliant (All base luminaires are BAA compliant. Addition of options may change eligibility. Contact factory for details)

Applications:

Suitable for most commercial, industrial and institutional applications

- Gymnasiums
- Recreation Centers
- Manufacturing
- Warehouse

• Cold/Frozen Storage (cold temperature rules apply. Refer to warranty document at <u>www.lumenfocus.com/support</u> for details)

Ambient Operating Temp.:

• -30°C to 50°C

Construction:

- Housing is precision brake formed from heavy duty 0.063" aluminum
- Pre-painted with a highly durable, highly reflective white finish

Certifications:

- UL 1598 listed for US and Canada, suitable for damp locations
- DesignLights Consortium qualified on specific configurations (refer to DLC qualified products list for exact model numbers) http://designlights.org/



Predicted Lifetime:

- L70: 174,000 hrs (calculated)
- L80: 108,000 hrs (calculated)
- L90: 49,000 hrs (reported)

• 86% lumen maintenance @ 72,000 hrs (based on LM-80, TM-21 and in-situ laboratory testing)

Warranty:

- 5 year limited system warranty -see <u>www.LumenFocus.com</u> for complete warranty terms and conditions
- 10 year warranty option available on specific models (Not available on all models. Certain conditions apply. Consult factory or sales representative for details)











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Ordering Guide:

example: PBL G2 2 MD UV 850 HDW PM ZOSD C6

| Series Length Output Voltage Shielding CR/VCCT Gauge Hanging Controls Options Finish PBL C2 2 Makim MD UV Blank BC000000000000000000000000000000000000 | Orden | ng G | liue. | | e | example: PBL G2 2 MD | UV 850 HDW PN | 1 ZOSD C6 | | | |
|---|--|---------------------------|-----------------------------|--------------------------------|----------------------------|----------------------|---------------|---------------------------|---|---|--------|
| PBL C2 Gen 2 Perrun Heigh fury 2 2 MD MEau UV UD:27 Blank No Lenses, FR BD/W No Lenses, B 20 (MARCOX B 20 (Lense) Blank No Lenses, B 20 (Lense) Blank No Lenses, B 20 (Lense) Blank No Lenses, Color (Lense) Blank No Calcular (Lense) Blank No Calcular (Lense)No Calcular (Lense) <th>Series</th> <th>Length</th> <th>Output</th> <th>Voltage</th> <th>Shielding</th> <th>CRI/CCT</th> <th>Gauge</th> <th>Hanging</th> <th>Controls</th> <th>Options</th> <th>Finish</th> | Series | Length | Output | Voltage | Shielding | CRI/CCT | Gauge | Hanging | Controls | Options | Finish |
| Graphic Premium Height Name 22 Madum UD 2777 Pre-Lemiss 80 C(R)25000 Noise Noise No Corrisos No Co | PBL G2 | 2 | | | | | HDW | | | | |
| High Bay MHH 347V FR 8400 Write Bay OC CZCS EXT10 BK Medium High 347V FR 850 90 CR4000X 0 Cl44 king Cocumery Server Cocumery Server Lable Kin Cocumery Server Lable Kin Cocu | Gen 2 | | | - | | | Heavy Duty | | | - | |
| 48 850 QC20 QC40 XC SC | | | | - | Frosted Acrylic | | Wide-Body | 10' Quick Hang | Occupancy Sensor | 10-Year Extended | |
| PM Product Murin Specify Length CPUP Length Murin Specify Length CSCPU Length Murin Specify Length Length Specify Length CSCPU Length Murin Specify Length CSCPU Length Murin Specify Length CSCPU Length Murin Specify Length CSCPU Length Murin Specify Length Comparison C | | | | | | | | QC20 | ZOSD | C6 | - |
| ST(A) 3/4* Sem (perdy Length Programmate Domming/ Company/Dayling Hovestrop Sensor with Grouping (120-277/H) Comection ² C10 Motes Ser 0* to 40* mounting heights. See Page 5 for more details. Comection Service Comection Company/Dayling Hovestrop Sensor with Grouping (120-277/H) Di Single Circuit Cord ** 120-277 V Orly. Max celling height is 50 feet. See page 5 for more details. See Page 5 for more details. Di Single Circuit Cord ** Nat valiable on all models. Certain conditions apply. Consult factory or sales representative for details. Di O Volue Circuit Cord ** Page C2 2 MD UV 850 HDW EM4 + 1701 LPW x 14W = 2.281 Im Di O Volue Circuit Cord Set 04 for function details. Company Dayling Hay (Microip Circuit Cord Di O Set 04 for 04 mounting height in So feet. See page 5 for more details. Di O Volue Circuit Cord ** Not available on all models. Certain conditions apply. Consult factory or sales representative for details. Di O Volue Circuit Cord Set 02 ADD UV 850 HDW EM4 + 1701 LPW x 14W = 2.281 Im Di O Volue Circuit Cord Set 02 ADD UV 850 HDW EM4 + 1701 LPW x 14W = 2.281 Im EXEG EXEG Set (xabe Server thightor/velf) ² Wire Quard Wire Guard Wire Guard (for Enlighted Connected & lon) EXEG EXEG Set (xabe Set (xabe Server) EXEG <td></td> <td></td> <td></td> <th></th> <td></td> <td></td> <td></td> <td>PM</td> <td>ZOFD1</td> <th>6' Single Circuit Cord</th> <td></td> | | | | | | | | PM | ZOFD1 | 6' Single Circuit Cord | |
| Notes CoSPU CoSPU Provession of the provide the pr | | | | | | | | ST(x) 3/4" Stem | Programmable Dimming/ Occupancy/Daylight Harvesting Sensor with | Connections C10 | |
| """ * lens type. See Page 5 for lens descriptions. "20-277V Only. Max ceiling height is 50 feet. See page 5 for more details. "Ax ceiling height for Enlighted Ruggedized sensor 50 feet. See Page 6 for more details on advanced controls. Not available on all models. Certain conditions apply. Consult factory or sales representative for details. "20-277V OV/SC-55"C ambient. To estimate lumen output in emergency mode, multiply EM wattage by the Lumens per Watt of the luminaire it is installed in. ex. PBL G2 2 MD UV 850 HDW EM14 → 170.1 LPW x 14W = 2,381 lm Constrols Accessories (order separately) Wattsopper Bluetoothered Wire Guard for use with end-mounted sensor Constrols Accessories (order separately) Wose (PBL2W) Extended Wire Guard for use with end-mounted sensor Constrols Accessories (order separately) Wassoper Bluetoothered Wire Guard for use with end-mounted sensor Constrols Accessories (order separately) Wassoper Bluetoothered for grammable (for Enlighted Connected & IoT) For Enlighted Connected & IoT For Z221BL_ Sensor Fish-100 Wireless Configuration Tool For Z221BL_ Sensor Further Starting and Wireless Configuration Tool Missoper Maximum Accessories Sensor Processories (Sensor Processories Configuration Tool Constant accessories Sensor Processories (Sensor Processories Sensor Processories Sensor Processories Sensor Processories P | | | | | | | | | ZOFDU Leviton Bluetooth-enabled | C105W 10' Single Circuit Cord | |
| Induce details. (120-4800/10) 6* Dual Circuit Cord ************************************ | ⁽²⁾ "_" = lens ⁽³⁾ 120-277V | type. See Only. Ma | Page 5 for l | ens descrip | tions. | | | | Occupancy/Daylight Harvesting Sensor with | Connections | |
| Consult factory or sales representative for details. (*) 120-277V / 0°C-55°C ambient. To estimate lumen output in emergency mode, multiply EM wattage by the Lumens per Watt of the luminaire it is installed in. ex. PBL G2 2 MD UV 850 HDW EM14 \rightarrow 170.1 LPW x 14W = 2,381 lm Accessories (order separately) WG(PBL2W) Wire Guard WGE(PBL2W) Extended Wire Guard for use with end-mounted sensor Controls Accessories (order separately) VSG(PBL2W) Extended Wire Guard for use with end-mounted sensor Controls Accessories (order separately) VSG -2-00 Enlighted Connected & IoT) For Enlighted Connected & IoT) For Z221BL_Sensor FSIR-100 Wireless Configuration Tool | ⁽⁴⁾ Max ceilin See Page | ng height f 6 for mor | e details on | advanced c | ontrols. | et. | | | (120-480V) ⁽¹⁾ | 6' Dual Circuit Cord D10 | |
| $\begin{array}{c} \text{Configuration}\\ Con$ | Consult fa (6) 120-277V | actory or s / 0°C-55°(| ales represe Cambient. T | ntative for o o estimate lu | details. Imen output in | /att | | | Photo/Motion Multi-Voltage | P(NEMA) | |
| Accessories (order separately) Wire Guard Eviton High Bay Microwave Eviton High Bay Microwave EMB Controls Accessories (order separately) Eviton High Bay Microwave Eviton High Bay Microwave EMB Microwave Controls Accessories (order separately) Eviton High Bay Microwave EMB Microwave Photocell EMD Microwave Eviton High Bay Microwave EVITON High Bay Microwave Microwave Eviton High Bay Microwave EVITON High Bay Microwave Microwave Eviton High Bay Microwave EVITON High Bay Microwave EVITON High Bay Microwave Microwave Eviton High Bay Microwave EVITON High Ba | of the lum | inaire it is ir | nstalled in. | | | | | | Wattstopper Bluetooth- enabled Programmable | configuration) | |
| Accessiones (order separately) Wire Guard WG(PBL2W) Wire Guard WG(PBL2W) Extended Wire Guard for use with end-mounted sensor Controls Accessories (order separately) For Enlighted Controls WS-2-00 Enlighted Connected & IoT) For Z221BL_Sensor For Z221BL_Sensor FSIR-100 Wireless Configuration Tool | | | | | | | | | Daylight Harvesting Multi- | F | |
| Controls Accessories (order separately) Photocell 10W Emergency Pack ⁶ For Enlighted Controls WS-2-00 Enlighted Remote Control Wall Switch (for Enlighted Connected & IoT) Enlighted Connected & System ⁽⁴⁾ EM14 For Z221BL_ Sensor For Z221BL_ Sensor Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and ENDIF EM20 For Z221BL_ Sensor For Z221BL_ Sensor Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and A80 to 277V Step SDT(480V) | WG(PBL2V | V) Wir | e Guard | | | ounted senso | r | | Leviton High Bay Microwave 0-10V Multi-Level Occupancy | EM6 6.5W Emergency | |
| For Enlighted Controls ZENLC WS-2-00 Enlighted Remote Control Wall Switch (for Enlighted Connected & IoT) Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and Enlighted Connected System ⁽⁴⁾ EM14 For Z221BL_ Sensor Enlighted Connected System ⁽⁴⁾ EM20 20W Emergency Pack ⁽⁶⁾ For Z221BL_ Sensor Enlighted Ruggedized Sensor Wireless Configuration Tool ENC | Contro | ols Ac | cessor | ies (ord | 'er separat | ely) | Fer | | Photocell | 10W Emergency | |
| For Z221BL_Sensor Enlighted Connected System ⁽⁴⁾ EM20 20W Emergency Pack ⁽⁶⁾ FSIR-100 Wireless Configuration Tool SDT(480V) 480V to 277V Step | Fo | r Enlighte | ed Controls Enlighted | Remote Co | ntrol Wall Swit | | | | Enlighted Ruggedized Sensor with Dimming/Occupancy/ | 14W Emergency | |
| For 2221BL_Sensor FSIR-100 Wireless Configuration Tool Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and 480V to 277V Step | | | (Lg) | | | | | | Enlighted Connected System ⁽⁴⁾ | EM20 20W Emergency | |
| Engrice of System South Indisioner | | | Sensor Wireless C | Configuratio | n Tool | | | | Enlighted Ruggedized Sensor with Dimming/Occupancy/ Daylight Harvesting and | SDT(480V) 480V to 277V Step | |

For ZOSMHB Sensor ZLSOR Wireless Configuration Tool CC Conformal Coating

LVL 0-10V Dimming Leads for Easy Field Access

BAA Buy American Act Compliant



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PBL G2 HD-2 | LED HEAVY DUTY HIGH BAY

Performance Chart:

| Catalog # | Lumens | Watts | LPW | Catalog # | Lumens | Watts | LPW | Catalog # | Lumens | Watts | LPW |
|-----------------------|--------|-------|-------|-----------------------|--------|-------|-------|-----------------------|--------|-------|-------|
| PBL G2 2 MD UV 835 | 11706 | 71 | 164.2 | PBL G2 2 MD UV 840 | 12126 | 71 | 170.1 | PBL G2 2 MD UV 850 | 12126 | 71 | 170.1 |
| PBL G2 2 MH UV 835 | 13674 | 85 | 160.7 | PBL G2 2 MH UV 840 | 14164 | 85 | 166.5 | PBL G2 2 MH UV 850 | 14164 | 85 | 166.5 |
| PBL G2 2 MD UV FR 835 | 11005 | 71 | 154.3 | PBL G2 2 MD UV FR 840 | 11399 | 71 | 159.9 | PBL G2 2 MD UV FR 850 | 11399 | 71 | 159.9 |
| PBL G2 2 MH UV FR 835 | 12789 | 85 | 150.5 | PBL G2 2 MH UV FR 840 | 13247 | 85 | 155.9 | PBL G2 2 MH UV FR 850 | 13247 | 85 | 155.9 |

Lumen Adjustment Factors: WG: 0.95

Schematic:



LUMENF©CUS Re-boardABILITY

The PBL G2 HD features field replaceable boards and drivers. This allows you to upgrade to more efficient technology in the future. Or, in the rare event of a failure, you can rapidly replace defective components. Re-boardABILITY helps to ensure you won't get stuck with an obsolete light fixture. Learn more about <u>Re-boardABILITY here.</u>



23.96"



<u>Click here for a video demonstration of the</u> <u>re-boarding process on a PBL.</u> Note: Exact time varies depending on the model.





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Photometric Data:

| PBL G2 2 MH UV 835 Test No.: LLIA001249-009-R01 | Luminanc Angle In Degrees | e Data (cd/s Average 0-Deg | q.m) Average 45-Deg | Average 90-Deg |
|--|--|----------------------------------|----------------------------------|-------------------|
| Luminaire Lumens: 13,674 lm | 45 | 27663 | 27058 | 27033 |
| Luminaire Watts: 85.1W | 55 | 26763 | 26395 | 26671 |
| Efficacy: 160.7 LPW | 65 | 24655 | 24988 | 26403 |
| Spacing Criterion (0-180): 1.30 | 75 | 19869 | 21636 | 16470 |
| Spacing Criterion (90-270): 1.28 | 85 | 7602 | 4777 | 5786 |

Coefficients Of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

| | | | ., | | | | | | | | | | | |
|----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|------|-----|-----|
| RC | | 80 | | | | 70 | | | | 50 | | | 30 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 |
| 1 | 109 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 92 | 89 |
| 2 | 99 | 91 | 84 | 79 | 97 | 89 | 83 | 78 | 86 | 80 | 76 | 82 | 78 | 74 |
| 3 | 90 | 80 | 72 | 65 | 88 | 78 | 71 | 65 | 75 | 69 | 63 | 72 | 67 | 62 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 60 | 52 | 46 | 58 | 51 | 46 |
| 6 | 70 | 57 | 48 | 41 | 68 | 56 | 47 | 41 | 54 | 46 | 41 | 52 | 45 | 40 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 41 | 36 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 |
| 10 | 53 | 39 | 32 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 |

Luminance Data (cd/sq.m)

Angle In

Degrees

Average

0-Deg

23385

20405 16649 12551

7535

Average 45-Deg

24877 23973 22990

21409

16214

Average 90-Deg

25922 25803 26028

18759

14061



| Zonal Lume | Zonal Lumen Summary | | | | | | | | |
|------------|---------------------|-------|--|--|--|--|--|--|--|
| Zone | Lumens | %Fixt | | | | | | | |
| 0-20 | 1729.2 | 12.6 | | | | | | | |
| 0-30 | 3686.1 | 27.0 | | | | | | | |
| 0-40 | 6078.9 | 44.5 | | | | | | | |
| 0-60 | 10908.7 | 79.8 | | | | | | | |
| 0-80 | 13544.3 | 99.0 | | | | | | | |
| 0-90 | 13670.3 | 100.0 | | | | | | | |
| 90-120 | 3.9 | 0.0 | | | | | | | |
| 90-130 | 3.9 | 0.0 | | | | | | | |
| 90-150 | 3.9 | 0.0 | | | | | | | |
| 90-180 | 3.9 | 0.0 | | | | | | | |
| 0-180 | 13674.2 | 100.0 | | | | | | | |

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

PBL G2 2 MH UV FR 835

| Test No.: LLIA001249-007A |
|----------------------------------|
| Luminaire Lumens: 12,789 lm |
| Luminaire Watts: 85.0W |
| Efficacy: 150.5 LPW |
| Spacing Criterion (0-180): 1.24 |
| Spacing Criterion (90-270): 1.28 |

45 55 65 75 85 **Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

| RC | | 80 | , | | | 70 | | | | 50 | | | 30 | |
|----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 94 | 97 | 94 | 91 | 94 | 91 | 88 |
| 2 | 99 | 91 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 74 |
| 3 | 90 | 80 | 71 | 65 | 88 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 67 | 62 |
| 4 | 83 | 70 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 59 | 54 | 64 | 58 | 53 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 60 | 52 | 46 | 58 | 51 | 46 |
| 6 | 70 | 57 | 48 | 41 | 68 | 56 | 47 | 41 | 54 | 46 | 41 | 52 | 45 | 40 |
| 7 | 65 | 51 | 43 | 36 | 63 | 51 | 42 | 36 | 49 | 41 | 36 | 48 | 41 | 36 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 44 | 37 | 32 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 |
| 10 | 53 | 40 | 32 | 26 | 52 | 39 | 32 | 26 | 38 | 31 | 26 | 37 | 31 | 26 |



Zonal Lumen Summary %Fixt Zone Lumens 0-20 1661.5 13.0 0-30 3523.7 27.6 5759.9 0-40 45.0 0-60 10112.5 79.1 0-80 12549.2 98.1 12785.2 0-90 100.0 90-120 3.9 0.0 90-130 3.9 0.0 90-150 3.9 0.0 90-180 3.9 0.0 0-180 12789.0 100.0

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08



Controls Summary:

| Control Code | Туре | Capabilities | Communication |
|-----------------|-------------------------------------|--|---|
| ZOS | Motion (PIR) | On/Off | Wired |
| ZOSD | Motion (PIR), Photosensor | On/Low/Off | Wired 1-10V |
| ZOFD1 | Motion (PIR), Daylight Harvesting | High/Low/Off, High-End Trim, Grouping | Wired 0-10V, Programmable via Bluetooth App (iOS, Android) |
| ZOFDU | Motion (PIR), Daylight Harvesting | High/Low/Off, High-End Trim, Grouping, Scheduling | Wired 0-10V, Programmable via Bluetooth App (iOS, Android) |
| Z221BLx | Motion (PIR), Photosensor | High/Low/Off, High-End Trim | Wired 0-10V, Programmable via IR remote (sold separately) |
| Z321BLx | Motion (PIR), Daylight Harvesting | High/Low/Off, High-End Trim | Wired 0-10V, Programmable via Bluetooth App (iOS, Android) |
| ZOSMHB | Motion (Microwave), Photosensor | On/Low/Off | Wired 0-10V, Programmable via ZLSOR IR remote (sold separately) |
| ZPC | Photosensor | On/Off | Wired |
| ZENLC | Motion (PIR), Daylight Harvesting | High/Low/Off, High-End Trim, Grouping, Scheduling*, Energy Monitoring*, BMS Integration*, Upgradable to IoT (ZENLI), LLLC (Enlighted IoT)* | Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted IoT Software |
| ZENLI | MoMotion (PIR), Daylight Harvesting | High/Low/Off, High-End Trim, Grouping, Scheduling*, Energy Monitoring*, BMS Integration*, LLLC (Enlighted IoT)*, Space - Building Utilization*, Where - Real Time Location Services* | Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted IoT Software |

LLLC = Luminaire Level Lighting Control

* Additional equipment required. Contact LumenFocus representative for details

Programmable Dimming Sensors:

ZOFDx Sensor Option

- Leviton Smart IP66 passive infrared (PIR) sensors
- Features mesh grouping (16 devices per group), occupancy sensing, daylight harvesting, scheduling (for ZOSFDU only), single-level switching
- Comes pre-installed on the end cap
- Rated for cold locations
- Configurable through the Leviton Smart Sensor App using a smartphone or other Bluetooth-enabled iOS or Android device



The ZOFD option includes four sensor lenses that can easily be installed or swapped out in the field. From left: the high bay lens (20'-40' mounting), the high bay lens with aisleway mask, the low bay lens (8'-20' mounting), and the low bay lens with aisleway mask.



FSIR-100

Z221B, Z321B Sensor Options

- The Wattstopper FSP sensor provides multi-level control based on motion and/or daylight contribution
- Comes pre-installed on the end cap
- Rated for cold locations
- Parameters for Bluetooth-enabled Z321B adjustable via phone app - iOS or Android
- Parameters for Z221B adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Three lenses available, tailored for the ideal detection area and mounting height:
 - L2: 360° lens, maximum coverage 48', diameter from 8' height
 - L3: 360° lens, maximum coverage 40',
 - diameter from 20' height
 - **L7:** 360° lens, maximum coverage 100', diameter from 40' height

ZOSMHB Sensor Option

- Provides occupancy detection and multi-level control with adjustable time-outs
- Tri-level dimming control
- Comes pre-installed on the end cap
- Suitable for cold storage locations
- Built-in photocell reads
 brightness values. Sensor does
 not switch luminaire on if there is
 suffcient ambient light



- Control parameters selected manually via DIP switches, or using the optional ZLSOR remote **ZLSOR** (sold separately) - adjustable parameters include sensitivity, hold time, lux
- level, stand-by light level, stand-by hold time
 Maximum mounting height of 50 feet, with
- adjustable coverage radius up to 30 feet





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Enlighted: All-in-one sensors, upgradeable systems

Enlighted's IP65-rated Ruggedized Sensor is an all-inone unit: task tuning, high-end trimming, daylight harvesting, and occupancy/vacancy detection. Max installation height is 50 feet.

Enlighted Connected ("ZENLC") offers many features, including motion and switch groups, daylight harvesting, energy reporting, and more. The Enlighted IoT ("ZENLI") option allows the full implementation of Enlighted's services. Enlighted Connected can be fully upgraded to the next tier in the future. So if you start with ZENLC but want to add the functionality of the ZENLI option, you can.

| Enlighted Capabilities* | Enlighted Connected (ZENLC) | Enlighted IoT (ZENLI) |
|--|-----------------------------------|--------------------------|
| Motion and Switch Groups | ~ | ✓ |
| Daylight Harvesting | ~ | ✓ |
| Schedule Lighting | ~ | ✓ |
| Energy Reporting & Optimization | ~ | ✓ |
| Environment Data & Lighting Controls API | ~ | ✓ |
| Building Management System Integration | ✓ | ✓ |
| Where & Space Applications | | ✓ |
| Location & Occupancy APIs & Beaconing | | ✓ |
| Future App & API Ready | | ✓ |

Real-time data analytics

Enlighted's control units compile data in real-time, which can be viewed via the Energy Manager. The Energy Manager is part of the Enlighted Connected and Enlighted IoT configurations.

- Real-time measurements and verification of energy savings
- Space analytics data can be compiled into motion trails and heat maps
- Analyze traffic density and congestion in a space



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Mounting:



Surface Mount

The PBL G2 is designed to be easily mounted to any sturdy surface. Simply remove the hex head screws holding the driver cover (top picture, in green) to access the bottom of the housing below. The housing can be mounted to the surface from the four holes in each corner of the channel (bottom picture, circled).



Cable Mount The optional QC hanging kit comes in 10' or 20'. Cables are pre-looped for easy installation and designed for easy fixture height adjustment. QCs come boxed with each fixture when ordered.



Pendant Mount The PBL G2 HD can be pendant mounted with optional 3/4" hub. Stem also available as an option.

Other Options:



Shielding Frosted acrylic diffuser lenses minimize glare and improve aesthetics.



Conformal coating

Grants LED boards added protection from moisture and corrosion in more hazardous environments.

Cords are available in single circuit or dual circuit, 6' or 10'. Standard plug is optional, as are other NEMA configurations if specified.

Finish

In addition to the standard white finish, the PBL G2 is also available in matte black (BK) and metallic silver (SL).







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