GARDCO

Wall Mount

PureForm

LED wall sconce

Gardco PureForm LED wall sconce PWS with precision and comfort optics offers a sleek, low profile design that will complement a range of architectural styles. PureForm wall sconce provides up to 30,000 lumens to accommodate multiple mounting heights, and is available with Type 2, 3, 4, as well as our back light control optics. A full range of control options is available for additional energy savings. Optional emergency battery backup option is available for path-of-egress and is integral to the luminaire.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

Example: PWS-P-A02-740-4-UNV-DALI-WIAPLW-DG

Prefix	Catalog Code	Lumens Selection	CCT/CRI	Distribution	Shielding	Voltage
PWS PureForm wall sconce	**P**[1] Precision optics	**2 boards** / **4 boards** **A01** 2000 / **A07** 14000 **A02** 4000 / **A08** 16000 **A03** 6000 / **A09** 18000 **A04** 8000 / **A10** 20000 **A05** 10000 / **A11** 22000 **A06** 12000 / **A12** 26000 **A13** 30000	**730** 70CRI, 3000K **740** 70CRI, 4000K **750** 70CRI, 5000K **830** 80CRI, 3000K **840** 80CRI, 4000K **827**[3] 80CRI, 2700K (ETOr)	**2** Precision optic type 2 **3** Precision optic type 3 **4** Precision optic type 4 **BLC**[3] Back light control (ETOr)	**None** – **EHS** External house side shield, black (Housing machined to accept external house side shield for field install)	**120** 120V **208** 208V **240** 240V **277** 277V **UNV** 120-277V **347** 347V **480** 480V **HVU** 347-480V
	C[2] Comfort optics	**A01** 2000 / **A04** 8000 **A02** 4000 / **A05** 10000 **A03** 6000	**830** 80CRI, 3000K **840** 80CRI, 4000K **750** 70CRI, 5000K (ETOr) **827**[3] 80CRI, 2700K (ETOr) **Amber**[3] Direct Amber FWC (ETOr)	**2** Comfort optic type 2 **3** Comfort optic type 3 **4** Comfort optic type 4		

Driver type	Dimming Controls (only one may be selected)	Lighting controls	Options	Finish
0-10V (only one may be selected) **010V** 0-10V	**None** – **DLEA** Dimming leads externally accessible (controls by others) **FAWS**[6] Field adjustable wattage selector **BL50L2** PIR motion response dim to 50% L2 lens **(precision only)** **BL50L3** PIR motion response dim to 50% L3 lens **(precision only)** **BL50MW**[3] Microwave motion sensor factory set at 50% dimming **(comfort only, ETOr)**	**None** – **PCB**[5] Photocontrol button (only available in 120-277V)	**None** – **Emergency (only available in UNV)** **EM** Emergency battery backup (0°C to +40°C/32°F to +104°F) **EMC** Emergency battery pack, cold rated (-20°C to +40°C/-4°F to +104°F) **ER100**[7] UL924 Listed Emergency relay **(only available in precision and DALI)** **Fusing** **F1**[5] Single Fuse (120V, 277V, or 347V) **F2**[5] Double Fuse (208V, 240V, or 480V) **F3**[5,6] Double Fuse Canadian double pole (208V, 240V, or 480V) **Surge Protection** **Blank** SP1 Surge Protector 10kV / 10kA (standard) **SP2** Surge Protector 20kV/10kA **Buy America**[3] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)	**Standard textured** **BK** Black **WH** White **BZ** Bronze **DG** Dark gray **MG** Medium gray **Customer specified** **OC** Optional color (specify optional color or RAL, contact factory) **SC** Special color (must supply color chip, requires factory quote)
DALI (only one may be selected) **DALI** SR/ DALI	**None** – **CS50** Security 50 % dimming, 7 hours **CM50** Median 50 % dimming, 8 hours **CS30** Security 30 % dimming, 7 hours **CM30** Median 30 % dimming, 8 hours **SRDR** SR driver connected to Zhaga socket D4i **WIAPLW**[4] Wireless Interact outdoor low mounting (7-15'), white housing **WIAPLB**[4] Wireless Interact outdoor low mounting (7-15'), black housing **WIAPHW**[4] Wireless Interact outdoor high mounting (15-40'), white housing **WIAPHB**[4] Wireless Interact outdoor high mounting (15-40'), black housing			

1. **Precision optics:**
   BLC only available in **A01-A06** with an alternative 40LED board
   UNV DALI only available in **A02-A13**
   HVU 0-10V only available in **A02-A13**
   HVU DALI only available in **A06-A13**
   BL50L2/L3 only available in **A01-A12**
   EM/EMC and ER100 only available in **A01-A09**
   ER100 only available with **DALI**
2. **Comfort optics:**
   Amber only available in **A01-A03**
   DALI only available in **UNV**
   BL50MW only available in **UNV and 347V**
   WIAP/SRDR only available **A01-A03**
   EM only available in **A01-A02**
   EMC only available in **A01-A04**
3. Extended lead times apply. Contact factory for details.
4. WIAP comes standard with a Zhaga receptacle.
5. Must specify input voltage (for ref. PCB, F1, F2, F3).
6. Not available with Emergency.
7. Not compatible with CS50, CM50, CS30, CM50

BAA

DARKSKY APPROVED
Reduces light pollution
Certified by DarkSky.org
Only available in 3000K.

DLC LISTED PREMIUM

DLC LISTED

c UL us

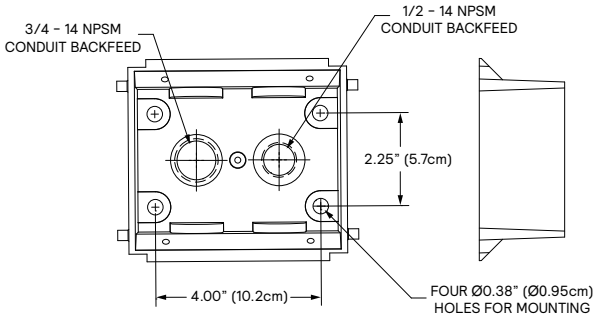
PWS PureForm LED wall sconce

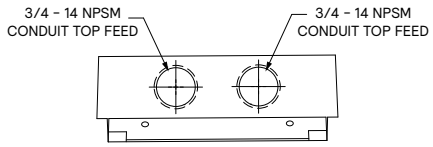
Wall mount

PureForm PWS Accessories (ordered separately)

Mounting Accessories

PWS-WS-G2	Wall mounted box for surface conduit painted black





Luminaire Weights	
PureForm LED wall sconces PWS	**Weight**
Luminare	24 lbs
Luminaire - EBPC (EM battery pack)	27 lbs

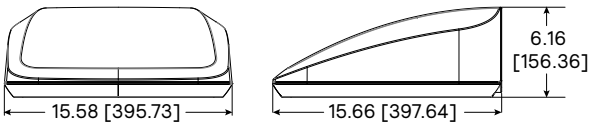
Controls Accessories

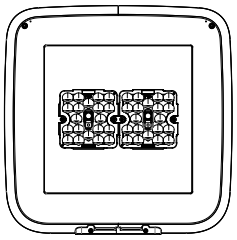
IRT9015	Handheld remote for grouping and configuration of Wireless Interact WIAP (at least 1 required per site or use the Interact Pro App).
FSIR-100	Wireless remote programming tool for BL50

PWS PureForm LED wall sconce

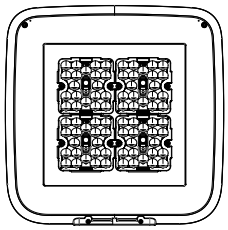
Wall mount

2-board Standard Configuration 2 board (A01–A06)

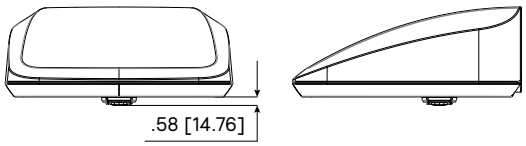


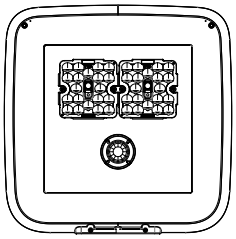


4-board Standard Configuration (A07–A13)

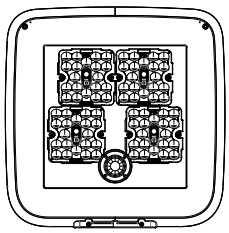


2-board with Motion Sensor

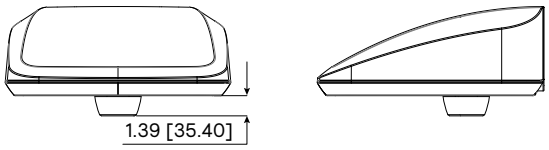


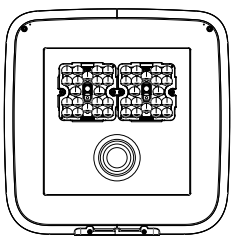


4-board with Motion Sensor

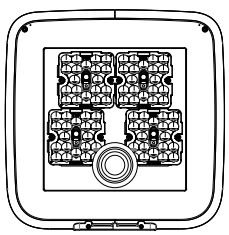


2-board with Wireless Interact Outdoor Sensor





4-board with Wireless Interact Outdoor Sensor



PWS PureForm LED wall sconce

Wall mount

PureForm PWS precision optics lumen values

Perf. Package	System Watts	Dist. Type	3000K			4000K			5000K			3000K			4000K		
			70 CRI									80 CRI					
			Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
A01	15	2	2676	B1-U0-G1	183	2722	B1-U0-G1	186	2668	B1-U0-G1	183	2331	B1-U0-G1	160	2471	B1-U0-G1	169
		3	2718	B1-U0-G1	186	2765	B1-U0-G1	189	2709	B1-U0-G1	186	2367	B1-U0-G1	162	2510	B1-U0-G1	172
		4	2573	B1-U0-G1	176	2617	B1-U0-G1	179	2565	B1-U0-G1	176	2241	B1-U0-G1	154	2376	B1-U0-G1	163
A02	22	2	4071	B1-U0-G1	183	4141	B1-U0-G1	187	4058	B1-U0-G1	183	3545	B1-U0-G1	160	3759	B1-U0-G1	169
		3	4134	B1-U0-G1	186	4205	B1-U0-G1	189	4121	B1-U0-G1	186	3601	B1-U0-G1	162	3818	B1-U0-G1	172
		4	3914	B1-U0-G1	176	3981	B1-U0-G1	179	3902	B1-U0-G1	176	3409	B1-U0-G1	154	3615	B1-U0-G1	163
A03	34	2	6136	B2-U0-G2	178	6241	B2-U0-G2	181	6116	B2-U0-G2	178	5344	B1-U0-G1	155	5666	B2-U0-G2	165
		3	6231	B2-U0-G2	181	6338	B2-U0-G2	184	6212	B2-U0-G2	181	5427	B2-U0-G2	158	5755	B2-U0-G2	167
		4	5899	B1-U0-G2	172	6001	B1-U0-G2	174	5881	B1-U0-G2	171	5138	B1-U0-G1	149	5448	B1-U0-G2	158
A04	47	2	8226	B2-U0-G2	175	8368	B2-U0-G2	178	8200	B2-U0-G2	175	7164	B2-U0-G2	152	7597	B2-U0-G2	162
		3	8354	B2-U0-G2	178	8498	B2-U0-G2	181	8328	B2-U0-G2	177	7276	B2-U0-G2	155	7715	B2-U0-G2	164
		4	7909	B2-U0-G2	168	8045	B2-U0-G2	171	7884	B2-U0-G2	168	6888	B1-U0-G2	147	7304	B2-U0-G2	155
A05	60	2	10396	B2-U0-G2	174	10575	B2-U0-G2	177	10364	B2-U0-G2	173	9055	B2-U0-G2	151	9601	B2-U0-G2	160
		3	10558	B3-U0-G3	176	10740	B3-U0-G3	179	10525	B3-U0-G3	176	9196	B2-U0-G2	154	9751	B3-U0-G3	163
		4	9996	B2-U0-G2	167	10168	B2-U0-G2	170	9965	B2-U0-G2	166	8706	B2-U0-G2	145	9232	B2-U0-G2	154
A06	74	2	12543	B3-U0-G3	170	12759	B3-U0-G3	173	12504	B3-U0-G3	169	10924	B2-U0-G2	148	11584	B3-U0-G3	157
		3	12739	B3-U0-G3	172	12958	B3-U0-G3	175	12699	B3-U0-G3	172	11095	B3-U0-G3	150	11764	B3-U0-G3	159
		4	12060	B2-U0-G2	163	12268	B2-U0-G2	166	12022	B2-U0-G2	163	10504	B2-U0-G2	142	11138	B2-U0-G2	151
A07	79	2	14378	B3-U0-G3	183	14625	B3-U0-G3	187	14333	B3-U0-G3	183	12522	B3-U0-G3	160	13278	B3-U0-G3	169
		3	14602	B3-U0-G3	186	14854	B3-U0-G3	190	14556	B3-U0-G3	186	12718	B3-U0-G3	162	13486	B3-U0-G3	172
		4	13824	B2-U0-G2	176	14062	B3-U0-G3	179	13781	B2-U0-G2	176	12040	B2-U0-G2	154	12767	B2-U0-G2	163
A08	92	2	16591	B3-U0-G3	181	16876	B3-U0-G3	184	16539	B3-U0-G3	181	14449	B3-U0-G3	158	15322	B3-U0-G3	168
		3	16849	B3-U0-G3	184	17139	B3-U0-G3	187	16797	B3-U0-G3	184	14675	B3-U0-G3	160	15561	B3-U0-G3	170
		4	15952	B3-U0-G3	174	16226	B3-U0-G3	177	15902	B3-U0-G3	174	13893	B3-U0-G3	152	14732	B3-U0-G3	161
A09	103	2	18285	B3-U0-G3	178	18600	B3-U0-G3	182	18228	B3-U0-G3	178	15925	B3-U0-G3	155	16887	B3-U0-G3	165
		3	18570	B3-U0-G3	181	18890	B3-U0-G3	184	18512	B3-U0-G3	181	16173	B3-U0-G3	158	17150	B3-U0-G3	167
		4	17581	B3-U0-G3	172	17883	B3-U0-G3	175	17526	B3-U0-G3	171	15312	B3-U0-G3	149	16236	B3-U0-G3	158
A10	114	2	20123	B3-U0-G3	177	20470	B3-U0-G3	180	20060	B3-U0-G3	176	17526	B3-U0-G3	154	18585	B3-U0-G3	163
		3	20437	B3-U0-G3	180	20789	B3-U0-G3	183	20373	B3-U0-G3	179	17800	B3-U0-G3	156	18874	B3-U0-G3	166
		4	19349	B3-U0-G3	170	19682	B3-U0-G3	173	19288	B3-U0-G3	170	16852	B3-U0-G3	148	17869	B3-U0-G3	157
A11	135	2	23365	B3-U0-G3	173	23767	B3-U0-G3	176	23292	B3-U0-G3	173	20350	B3-U0-G3	151	21578	B3-U0-G3	160
		3	23729	B3-U0-G3	176	24138	B3-U0-G3	179	23655	B3-U0-G3	176	20667	B3-U0-G3	153	21915	B3-U0-G3	163
		4	22465	B3-U0-G4	167	22852	B3-U0-G4	170	22395	B3-U0-G4	166	19566	B3-U0-G3	145	20747	B3-U0-G3	154
A12	156	2	26277	B3-U0-G3	169	26729	B3-U0-G3	172	26195	B3-U0-G3	168	22886	B3-U0-G3	147	24268	B3-U0-G3	156
		3	26687	B4-U0-G4	171	27146	B4-U0-G4	174	26603	B4-U0-G4	171	23243	B3-U0-G3	149	24646	B4-U0-G4	158
		4	25265	B3-U0-G4	162	25700	B3-U0-G4	165	25186	B3-U0-G4	162	22005	B3-U0-G4	141	23333	B3-U0-G4	150
A13	190	2	30622	B4-U0-G4	161	31149	B4-U0-G4	164	30526	B4-U0-G4	161	26670	B3-U0-G3	141	28281	B4-U0-G4	149
		3	31100	B4-U0-G4	164	31635	B4-U0-G4	167	31002	B4-U0-G4	163	27086	B4-U0-G4	143	28722	B4-U0-G4	151
		4	29443	B3-U0-G4	155	29950	B3-U0-G4	158	29351	B3-U0-G4	155	25643	B3-U0-G4	135	27192	B3-U0-G4	143

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

PWS PureForm LED wall sconce

Wall mount

PureForm PWS comfort optics lumen values

Perf. Package	System Watts	Dist. Type	2700K			3000K			4000K			5000K		
			80 CRI			80 CRI			80 CRI			70 CRI		
			Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
A01	21	2	1969	B1-U0-G1	94	2040	B1-U0-G1	98	2122	B1-U0-G1	102	2228	B1-U0-G1	107
		3	2202	B1-U0-G1	105	2282	B1-U0-G1	109	2373	B1-U0-G1	114	2492	B1-U0-G1	119
		4	2287	B1-U0-G1	109	2370	B2-U0-G1	113	2464	B2-U0-G1	118	2588	B2-U0-G1	124
A02	30	2	2806	B1-U0-G1	94	2908	B1-U0-G1	97	3024	B1-U0-G1	101	3176	B1-U0-G1	106
		3	3139	B1-U0-G1	105	3253	B1-U0-G1	108	3383	B2-U0-G2	113	3553	B2-U0-G2	118
		4	3260	B2-U0-G1	109	3378	B2-U0-G1	113	3513	B2-U0-G1	117	3690	B2-U0-G1	123
A03	51	2	4927	B2-U0-G2	97	5106	B2-U0-G2	100	5310	B2-U0-G2	104	5576	B2-U0-G2	109
		3	5512	B2-U0-G2	108	5712	B2-U0-G2	112	5940	B2-U0-G2	116	6237	B2-U0-G2	122
		4	5724	B3-U0-G2	112	5932	B3-U0-G2	116	6169	B3-U0-G2	121	6477	B3-U0-G2	127
A04	75	2	6970	B2-U0-G2	93	7223	B3-U0-G3	96	7512	B3-U0-G3	100	7888	B3-U0-G3	105
		3	7797	B3-U0-G3	104	8080	B3-U0-G3	108	8403	B3-U0-G3	112	8823	B3-U0-G3	118
		4	8097	B3-U0-G2	108	8391	B3-U0-G2	112	8727	B3-U0-G2	117	9163	B3-U0-G2	122
A05	95	2	8545	B3-U0-G3	90	8855	B3-U0-G3	94	9209	B3-U0-G3	97	9669	B3-U0-G3	102
		3	9558	B3-U0-G3	101	9905	B3-U0-G3	105	10301	B3-U0-G3	109	10816	B3-U0-G3	114
		4	9926	B3-U0-G2	105	10287	B3-U0-G2	109	10698	B3-U0-G2	113	11233	B3-U0-G3	119

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

Lumen values for emergency mode

Perf. Package	System Watts	Dist. Type	3000K			4000K			5000K			3000K			4000K		
			70 CRI			70 CRI			70 CRI			80 CRI			80 CRI		
			Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
PWS-P-10W20LED-XXX-EM	10	2	1911	B1-U0-G1	191	1944	B1-U0-G1	194	1905	B1-U0-G1	191	1664	B1-U0-G1	166	1765	B1-U0-G1	177
		3	1941	B1-U0-G1	194	1974	B1-U0-G1	197	1934	B1-U0-G1	193	1690	B1-U0-G1	169	1792	B1-U0-G1	179
		4	1837	B1-U0-G1	184	1869	B1-U0-G1	187	1831	B1-U0-G1	183	1600	B1-U0-G1	160	1697	B1-U0-G1	170
PWS-P-20W20LED-XXX-EMC	22	2	4071	B1-U0-G1	183	4141	B1-U0-G1	187	4058	B1-U0-G1	183	3545	B1-U0-G1	160	3759	B1-U0-G1	169
		3	4134	B1-U0-G1	186	4205	B1-U0-G1	189	4121	B1-U0-G1	186	3601	B1-U0-G1	162	3818	B1-U0-G1	172
		4	3914	B1-U0-G1	176	3981	B1-U0-G1	179	3902	B1-U0-G1	176	3409	B1-U0-G1	154	3615	B1-U0-G1	163

Predicted lumen depreciation data for precision light engine

Ambient Temperature °C	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	**>102,000 hours**	**>93%**

Predicted lumen depreciation data for comfort light engine

Ambient Temperature °C	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	**>42,000 hours**	**>88%**

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours

PWS PureForm LED wall sconce

Wall mount

Precision optical distributions

Based on 20' mounting height

Type 2

Type 3

Type 4

BLC
(ETOr)

Comfort optical distributions

Based on 20' mounting height

Comfort Type 2

Comfort Type 3

Comfort Type 4

PWS PureForm LED wall sconce

Wall mount

Specifications

Housing

Main body housing and door frame made of low copper die cast aluminum alloy for a high resistance to corrosion. Door hinges secured by aircraft cable to allow access to driver or other electronic components for servicing. The door frame acts as the main heat transfer component and it is optimized to allowing the main housing to have no fins, giving the freedom to have a clean minimalist aesthetic design while allowing it to house emergency battery backup equipment and various other options. Luminaire housing rated to IP65, tested in accordance to Section 9 of IEC 60598-1.

Light engine

Precision light engine: LED PCBA made of 20 LEDs (2 board & 4 board) populated on aluminum metal core board for optimal thermal dissipation ensuring longer LED lifespan. Electrical components are RoHS compliant, IP66 sealed light engine equipped LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM-21.

Comfort light engine: Light guide technology provides low-glare, uniform illumination. Composed of LEDs strategically positioned on the edge of the optical plate. Light engine luminous opening size optimized to best achieve a balance between lumen output and optical performance with the need to provide visual comfort. Light engine frame ensures contact with housing to provide heat conduction and sealing against the elements. Light engine is RoHS compliant. Standard color temperatures: 3000K +/- 130K, 4000K+/- 130K, 5000K +/- 225K. Minimum CRI of 70. Also available in 2700K and Amber (>590nm) with extended lead times. Contact factory for details. LED light engine is rated IP65 in accordance to Section 9 of IEC 60598-1.

Optical systems

Type 2, 3, and 4 distributions available. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

Mounting

Mounting is completed through integral back plate that features a separate recessed feature for hook and lock quick mount plate that secures with two set screws from bottom of luminaire. Luminaire ships fully assembled, ready to install.

Control options

0-10V dimming: Access to 0-10V dimming leads supplied through back of luminaire (for secondary dimming controls by others). Cannot be used with other control options.

Sensor Ready Zhaga Socket Connector (SRDR): Product equipped with Sensor Ready drivers connected to 4-pin Zhaga Book 18 compliant receptacle designed for sensor and other control system applications. Receptacle is rated IP66 assembly in a compact design that provides a sealed electrical interface and rated UV resistance mounted on top of the luminaire arm. When a controller not provided by Signify is used with Sensor Ready Zhaga socket connector, the controller must be certified to work with the Xitanium SR LED drivers as part of the SR certified program.

Field Adjustable Wattage Selector (FAWS): Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest of 10 output positions. Consult factory for specific dimming settings for each position. Cannot be used with other control options ormotion response.

Automatic Profile Dimming (CS/CM): Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output. When used in combination with not programmed motion response it overrides the controller's schedule when motion is detected. After 5 minutes with no motion, it will return to the automatic diming profile schedule. Automatic dimming profile scheduled with the following settings:

- **CS50/CS30:** Security for 7 hours night duration (Ex., 11 PM - 6 AM)
- **CM50/CM30:** Median for 8 hours night duration (Ex., 10 PM - 6 AM)

All above profiles are calculated from mid point of the night. Dimming is set for 6 hours after the mid point and 2, or 3 hours before depending of the duration of dimming. Ensure the luminaire is connected to a common external timer or a photocell as the driver needs to turn OFF & ON to calibrate its internal clock.If the input power stays on permanently, the driver won't dim. Cannot be used with other dimming control options.

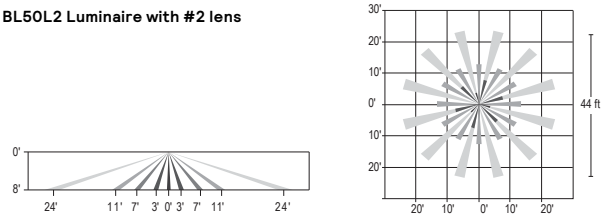
Emergency Battery Backup / Cold Rated (EM/EMC): Emergency battery pack included integral to the luminaire, allowing for a consistent look between emergency and non-emergency luminaires. EM is suitable for use in ambient temperature conditions from 0°C (32°F) to 50°C (122°F) available on A01 to A05 and upto 40°C (104°F) available on A06 to A09 precision engine and 0°C (32°F) to 40°C (100°F) available on A01 and A02 in comfort engine only. EMC is cold weather rated for use in ambient temperature conditions from -20°C (-4°F) to 40°C (104°F) available in both precision & comfort light engine. EMC not available in A05 comfort engine. The system is designed to have a secondary driver with relay to immediately detect AC power loss to power luminaire for a minimum of 90 minutes from the time power is lost. Available with 120V-277V, or 'UNV' only.

Motion response options

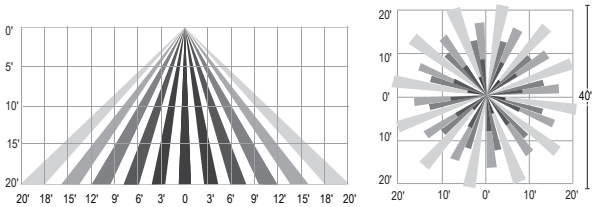
Bi-Level Infrared Motion Response (BL50): In the Precision light engine the Passive Infrared (PIR) motion response module is mounted integral to luminaire. The factory pre-programs the sensor to 50% dimming when not ordered with other control options.

Infrared Motion Response Lens (L2/L3): Infrared Motion Response Integral module is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges. Lens #2 (L2) is designed for lower mounting heights up to 8' with larger coverage areas up to 44' diameter coverage area. Lens #3 (L3) is designed for mounting heights up to 20' with a 40' diameter coverage area. See charts for approximate detection patterns:

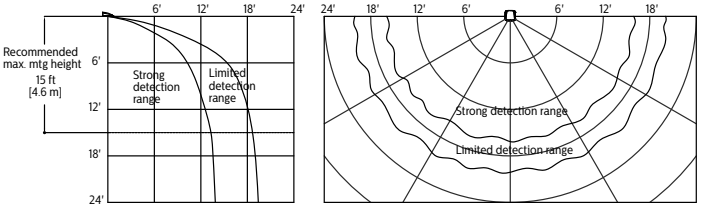
BL50L2 Luminaire with #2 lens



BL50L3 Luminaire with #3 lens



Bi-Level Infrared Motion Response (BL50MW): In the comfort light engine, the high frequency (5.8GHz +/-75MHz microwave ISM wave band with <0.5 mW transmitting power) microwave motion sensor is mounted integral to the luminaire. This bi-level motion sensor is designed to detect motion through the light engine so it can be used inside the luminaire without any protruded components allowing energy savings and meeting code requirements without compromising comfort and aesthetics. The factory pre-programs the sensor to 50% dimming when not ordered with other control options.



BL50 is set/operates in the following fashion: The motion sensor is set to a constant 50%. When motion is detected by the PIR sensor, the luminaire returns to full power/ light output. Dimming on low is factory set to 50% with 5 minutes default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50%, to 50% of the normal constant wattage reducing the light level. Other dimming settings can be provided if different dimming levels are required. This can also be done with FSIR-100 Wireless Remote Programming Tool (contact Technical Support for details).

PWS PureForm LED wall sconce

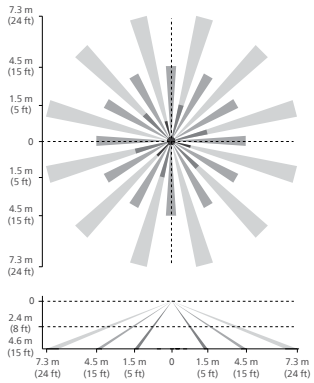
Wall mount

Specifications (cont'd)

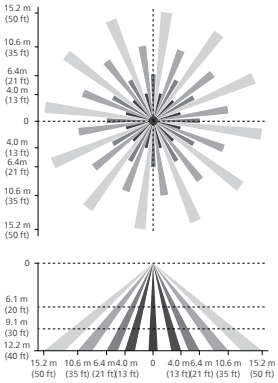
Outdoor Interact (WIAP): Connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the standalone mode when configured without a gateway. When used with a gateway you are able to access additional functionalities such as energy monitoring, scheduling and BMS integration. Interact offers an App, a portal and a broad portfolio of Interact-ready Indoor and Outdoor luminaires, lamps and retrofit kits all working on the same system. The App provides flexibility to choose between a standalone or gateway mode. Setup with the gateway requires wired Internet access to the gateway. WIAP includes SR driver and SR receptacle. Daylight harvesting supported through dimming - activated via the Interact App. Sensors IP66 rated.

For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

LW low sensor



HW high sensor



Note: The beam patterns shown are intended solely as a general guide and are not to scale. Sensing capabilities and coverage area depend on many factors including the size, speed and direction of travel of persons and vehicles; sensor mounting height; environmental and site conditions; etc.

Electrical

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. All drivers are 0-10V dimming to 10% power standard, except when using Sensor Ready (SR)drivers, which uses DALI protocol (options CS50/CM50/CS30/CM30, SRDR). Drivers are RoHS and FCC Title 47 CFR Part 15 compliant.

Button Photocontrol (PCB): Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

Surge protection (SP1/SP2): Each luminaire is provided as standard with surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/5kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High Test Level 10kV / 5kA. Optional 20kV is available for additional protection.

Listings

UL/cUL listed to the UL 1598 standard, suitable for wet locations when mounted downward facing. Also listed for damp locations when inverted upward facing when mounted in covered ceiling application. Suitable for use in ambient temperatures from -40° to 40°C (-40° to 104°F). Most PureForm PWS configurations are qualified under Premium DesignLights Consortium® category. Consult DLC Qualified Products list for more details. CCTs 3000K and warmer are IDA Dark Sky Approved.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. The surface treatment achieves a minimum of 1000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DGY), and medium gray (MGY). Consult factory for specs on optional or custom colors.

Warranty

PureForm luminaires feature a 5-year limited warranty.
See signify.com/warranties for complete details and exclusions.

Buy America Compliant

Failure to properly select the “BAC” suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the “Buy America” domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

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