GARDCO

Site & Area

PureForm

P15 small square area light



Gardco PureForm LED area small square P15 features a sleek, low profile design. Precision optics are optimized for maximum efficiency and uniformity. Comfort optics are designed to enhance visual comfort by reducing glare and are ideally suited for pedestrian scale applications. Multiple optical distributions and color temperatures are available to allow you to customize your selection.

Project:

Location:

Cat.No:

Type:

Lumens: Qty:

Notes:

Ordering guide

Example: P15-P-A05-840-T3M-EHS-AR1-120-DALI-CS30-PCB-F1-BZ

Prefix	Catalog Code	Lumens Selection	CCT/CRI	Distribution	Shielding	Mounting	Voltage
P15 PureForm area small	**P**[1] Precision optics	**A01** 2,000 **A02** 4,000 **A03** 6,000 **A04** 8,000 **A05** 10,000 **A06** 12,000 **A07** 14,000 **A08** 16,000 **A09** 18,000 **A10** 20,000	**730** 70CRI, 3000K **740** 70CRI, 4000K **750** 70CRI, 5000K **830** 80CRI, 3000K **840** 80CRI, 4000K **827**[3] 80CRI, 2700K (ETOr)	**Auto front row** **AFR** Auto front row **AFR-90** Rotated left 90° **AFR-270** Rotated left 270° **Type 2 Medium** **T2M** Type 2 medium **T2M-90** Rotated left 90° **T2M-270** Rotated left 270° **Type 3 Medium** **T3M** Type 3 medium **T3M-90** Rotated left 90° **T3M-270** Rotated left 270° **LEED optics** **LCL** LEED corner optic left **LCR** LEED corner optic right **Type 4 Medium** **T4M** Type 4 medium **T4M-90** Rotated left 90° **T4M-270** Rotated left 270° **Type 4 Wide** **T4W** Type 4 wide **T4W-90** Rotated left 90° **T4W-270** Rotated left 270° **Type 5** **T5N** Type 5 narrow **T5M** Type 5 medium **T5W** Type 5 wide **BLC** Back light control **BLC-90** Rotated left 90° **BLC-270** Rotated left 270°	**None** – **HIS** Internal house side shield, clip on **The following mounting kits must be ordered separately: (see accessories)** **EHS** External house side shield, black	**AR1** Arm mount (std.) **The following mounting kits must be ordered separately: (see accessories)** **RAM** Retrofit arm mount kit **WAL** Wall mount	**120** 120V **208** 208V **240** 240V **277** 277V **UNV** 120-277V **347** 347V **480** 480V **HVU** 347-480V
	C[2] Comfort optics	**A01** 2,000 **A02** 4,000 **A03** 6,000 **A04** 8,000 **A05** 10,000	**830** 80CRI, 3000K **840** 80CRI, 4000K **750**[3] 70CRI, 5000K (ETOr) **Amber**[3] Direct Amber FWC (ETOr)	**T1S** Comfort optic type 1 short **T2S** Comfort optic type 2 short **T4S** Comfort optic type 4 short **4CD** Comfort optic type 4 concentrated downlight **T5S** Comfort optic type 5 short			

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** Microwave motion sensor factory set at 50% dimming **(comfort only)**	**None** – **PCB**[5] Photocontrol button (only available in 120-277V) **TR7** 7-pin twist lock **TLP**[5] 7-pin twist lock and on/off photocell	**None** – **Emergency (only available in UNV)** **EM** Emergency battery backup (0°C to +40°C/32°F to +104°F) **ER100**[7] UL924 Listed Emergency relay **(precision only)** **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 (option) **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:**
   UNV DALI available in **A03-A10**
   HVU 0-10V dimming available in **A05-A10**
   HVU DALI available in **A06-A10**
   EM and ER100 available in **A01-A07**
   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**
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

Declare. BAA DARKSKY APPROVED Reduces light pollution Certified by DarkSky.org Only available in 3000K and below. DLC LISTED PREMIUM DLC LISTED c UL us

P15 PureForm

Small, square area light

PureForm P15 Accessories (ordered separately, field installed)

Shielding Accessories

House Side Shield

Standard optic orientation	
P15-HIS-LCL-LCR	Internal house side shields for optic Types LCL,LCR (qty 1)
P15-HIS-T2M-AFR-T3M	Internal house side shields for optic Types T2M-AFR-T3M (qty 1)
P15-HIS-BLC-T4M-T4W	Internal house side shields for optic Types BLC-T4M-T4W (qty 1)
P15-HIS-T5M-T5N-T5W	Internal house side shields for optic Types T5M-T5N-T5W (qty 1)
P15-EHS-BK	External House Side Shield, Black

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

Mounting Accessories

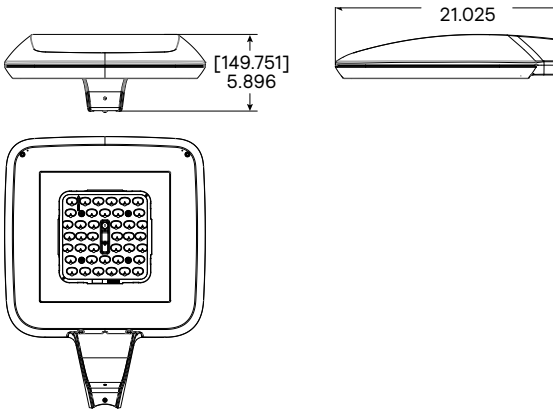
(**F**) = Specify finish

P15-RAM-G2-(F)	Retrofit Arm mount kit
P15-WS-G2-(F)	Wall mount with surface conduit rear entry permitted

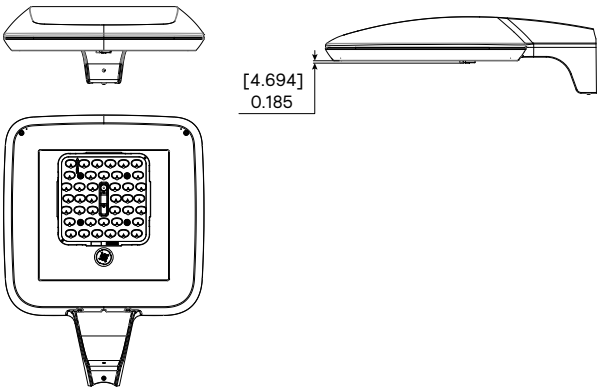
Dimensions

Weight: 22 Lbs (10 kg)
EPA: 0.24ft² (.02 m²)

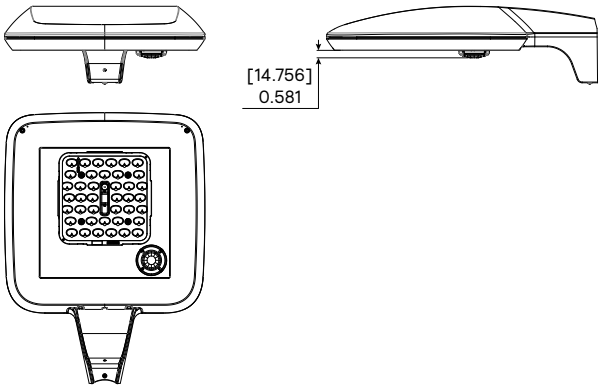
Standard configuration (A01-A10) with 1 mini board



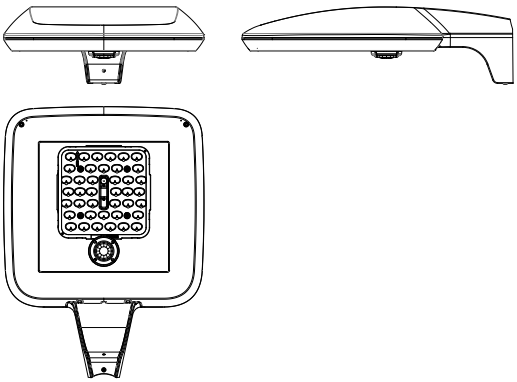
Standard configuration (A01-A10) with Wireless Interact Outdoor Sensor



Standard configuration (A01-A10) with side motion sensor



Standard configuration (A01-A10) with central motion sensor



P15 PureForm

Small, square area light

Precision optics lumen values: 70CRI, 3000K

Ordering Code	Avg. System Watts (W)	T2M			T3M			T4M			T4W			T5M			T5N		
		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)	Lumen Output	BUG Rating	Efficacy (LPW)
P15-P-A01-730-x	15	2753	B1-U0-G1	185	2689	B1-U0-G1	181	2668	B1-U0-G1	179	2651	B1-U0-G1	178	2651	B1-U0-G1	178	2853	B2-U0-G0	192
P15-P-A02-730-x	21	3841	B1-U0-G1	184	3752	B1-U0-G1	180	3723	B1-U0-G1	178	3699	B1-U0-G1	177	3699	B1-U0-G1	177	3981	B2-U0-G1	191
P15-P-A03-730-x	32	5800	B2-U0-G2	180	5666	B1-U0-G2	175	5621	B1-U0-G2	174	5585	B1-U0-G2	173	5585	B1-U0-G2	173	6011	B3-U0-G1	186
P15-P-A04-730-x	44	7749	B2-U0-G2	175	7570	B2-U0-G2	171	7511	B1-U0-G2	170	7463	B1-U0-G2	169	7463	B1-U0-G2	169	8032	B3-U0-G1	182
P15-P-A05-730-x	58	9712	B2-U0-G2	169	9488	B2-U0-G2	165	9413	B2-U0-G2	163	9353	B2-U0-G2	162	9353	B2-U0-G2	162	10067	B3-U0-G2	175
P15-P-A06-730-x	70	11645	B3-U0-G3	166	11376	B2-U0-G3	162	11286	B2-U0-G3	161	11214	B2-U0-G3	160	11214	B2-U0-G3	160	12070	B3-U0-G2	172
P15-P-A07-730-x	84	13594	B3-U0-G3	163	13280	B2-U0-G3	159	13175	B2-U0-G3	158	13091	B2-U0-G3	157	13091	B2-U0-G3	157	14090	B4-U0-G2	169
P15-P-A08-730-x	97	15464	B3-U0-G3	160	15106	B3-U0-G3	156	14987	B2-U0-G3	155	14892	B2-U0-G3	154	14892	B2-U0-G3	154	16028	B4-U0-G2	166
P15-P-A09-730-x	115	17815	B3-U0-G3	154	17403	B3-U0-G3	151	17266	B2-U0-G3	150	17156	B3-U0-G3	149	17156	B3-U0-G3	149	18465	B4-U0-G2	160
P15-P-A10-730-x	136	19974	B3-U0-G3	147	19512	B3-U0-G3	144	19358	B3-U0-G3	143	19235	B3-U0-G3	142	19235	B3-U0-G3	142	20703	B4-U0-G2	153

Ordering Code	Avg. System Watts (W)	T5W			AFR			BLC			LCL			LCR		
		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)
P15-P-A01-730-x	15	2703	B2-U0-G1	181	2851	B1-U0-G1	191	1962	B0-U0-G1	132	1343	B0-U0-G0	90	1343	B0-U0-G0	90
P15-P-A02-730-x	21	3772	B3-U0-G1	181	3978	B1-U0-G1	190	2738	B0-U0-G1	131	1874	B0-U0-G1	90	1874	B0-U0-G1	90
P15-P-A03-730-x	32	5695	B3-U0-G2	176	6007	B2-U0-G1	186	4134	B0-U0-G1	128	2830	B0-U0-G1	88	2830	B0-U0-G1	88
P15-P-A04-730-x	44	7610	B3-U0-G2	172	8027	B2-U0-G1	182	5524	B0-U0-G2	125	3782	B1-U0-G1	86	3782	B1-U0-G1	86
P15-P-A05-730-x	58	9538	B4-U0-G3	166	10060	B2-U0-G1	175	6924	B1-U0-G2	120	4740	B1-U0-G1	82	4740	B1-U0-G1	82
P15-P-A06-730-x	70	11435	B4-U0-G3	163	12062	B3-U0-G2	172	8301	B1-U0-G2	118	5683	B1-U0-G1	81	5683	B1-U0-G1	81
P15-P-A07-730-x	84	13349	B4-U0-G3	160	14081	B3-U0-G2	168	9691	B1-U0-G2	116	6634	B1-U0-G2	79	6634	B1-U0-G2	79
P15-P-A08-730-x	97	15185	B4-U0-G3	157	16017	B3-U0-G2	166	11023	B1-U0-G2	114	7547	B1-U0-G2	78	7547	B1-U0-G2	78
P15-P-A09-730-x	115	17494	B4-U0-G3	152	18453	B3-U0-G2	160	12700	B1-U0-G2	110	8694	B1-U0-G2	75	8694	B1-U0-G2	75
P15-P-A10-730-x	136	19614	B5-U0-G3	145	20689	B3-U0-G2	153	14238	B1-U0-G3	105	9747	B1-U0-G2	72	9747	B1-U0-G2	72

Precision optics lumen values: 70CRI, 4000K

Ordering Code	Avg. System Watts (W)	T2M			T3M			T4M			T4W			T5M			T5N		
		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)	Lumen Output	BUG Rating	Efficacy (LPW)
P15-P-A01-740-x	15	2760	B1-U0-G1	185	2696	B1-U0-G1	181	2675	B1-U0-G1	180	2658	B1-U0-G1	178	2831	B2-U0-G0	190	2861	B2-U0-G0	192
P15-P-A02-740-x	21	3851	B1-U0-G1	184	3762	B1-U0-G1	180	3733	B1-U0-G1	179	3709	B1-U0-G1	178	3951	B2-U0-G1	189	3992	B2-U0-G1	191
P15-P-A03-740-x	32	5815	B2-U0-G2	180	5681	B1-U0-G2	176	5636	B1-U0-G2	175	5600	B1-U0-G2	173	5965	B3-U0-G1	185	6028	B3-U0-G1	187
P15-P-A04-740-x	44	7770	B2-U0-G2	176	7591	B2-U0-G2	172	7531	B1-U0-G2	170	7483	B1-U0-G2	169	7971	B3-U0-G2	180	8054	B3-U0-G1	182
P15-P-A05-740-x	58	9739	B2-U0-G2	169	9513	B2-U0-G2	165	9438	B2-U0-G2	164	9378	B2-U0-G2	163	9989	B3-U0-G2	173	10094	B3-U0-G2	175
P15-P-A06-740-x	70	11676	B3-U0-G3	167	11406	B2-U0-G3	163	11316	B2-U0-G3	161	11245	B2-U0-G3	160	11977	B4-U0-G2	171	12103	B3-U0-G2	173
P15-P-A07-740-x	84	13631	B3-U0-G3	163	13316	B2-U0-G3	159	13210	B2-U0-G3	158	13127	B2-U0-G3	157	13982	B4-U0-G2	167	14128	B4-U0-G2	169
P15-P-A08-740-x	97	15506	B3-U0-G3	160	15147	B3-U0-G3	157	15027	B2-U0-G3	155	14932	B2-U0-G3	154	15905	B4-U0-G2	165	16071	B4-U0-G2	166
P15-P-A09-740-x	115	17863	B3-U0-G3	155	17450	B3-U0-G3	151	17312	B2-U0-G3	150	17203	B3-U0-G3	149	18323	B4-U0-G2	159	18515	B4-U0-G2	161
P15-P-A10-740-x	136	20028	B3-U0-G3	148	19565	B3-U0-G3	144	19410	B3-U0-G4	143	19287	B3-U0-G3	142	20544	B4-U0-G2	152	20759	B4-U0-G2	153

Ordering Code	Avg. System Watts (W)	T5W			AFR			BLC			LCL			LCR		
		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)
P15-P-A01-740-x	15	2710	B2-U0-G1	182	2859	B1-U0-G1	192	1967	B0-U0-G1	132	1347	B0-U0-G0	90	1347	B0-U0-G0	90
P15-P-A02-740-x	21	3782	B3-U0-G1	181	3989	B1-U0-G1	191	2746	B0-U0-G1	131	1880	B0-U0-G1	90	1880	B0-U0-G1	90
P15-P-A03-740-x	32	5711	B3-U0-G2	177	6024	B2-U0-G1	187	4146	B0-U0-G1	128	2838	B0-U0-G1	88	2838	B0-U0-G1	88
P15-P-A04-740-x	44	7631	B3-U0-G2	173	8049	B2-U0-G1	182	5539	B0-U0-G2	125	3792	B1-U0-G1	86	3792	B1-U0-G1	86
P15-P-A05-740-x	58	9563	B4-U0-G3	166	10087	B2-U0-G1	175	6942	B1-U0-G2	121	4753	B1-U0-G1	83	4753	B1-U0-G1	83
P15-P-A06-740-x	70	11466	B4-U0-G3	164	12094	B3-U0-G2	173	8324	B1-U0-G2	119	5698	B1-U0-G1	81	5698	B1-U0-G1	81
P15-P-A07-740-x	84	13385	B4-U0-G3	160	14119	B3-U0-G2	169	9717	B1-U0-G2	116	6652	B1-U0-G2	80	6652	B1-U0-G2	80
P15-P-A08-740-x	97	15226	B4-U0-G3	158	16060	B3-U0-G2	166	11053	B1-U0-G2	114	7567	B1-U0-G2	78	7567	B1-U0-G2	78
P15-P-A09-740-x	115	17542	B4-U0-G3	152	18503	B3-U0-G2	160	12734	B1-U0-G2	110	8718	B1-U0-G2	76	8718	B1-U0-G2	76
P15-P-A10-740-x	136	19667	B5-U0-G3	145	20745	B3-U0-G2	153	14277	B1-U0-G3	105	9774	B1-U0-G2	72	9774	B1-U0-G2	72

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.

P15 PureForm

Small, square area light

Precision optics lumen values: 70CRI, 5000K

Ordering Code	Avg. System Watts (W)	T2M			T3M			T4M			T4W			T5M			T5N		
		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)	Lumen Output	BUG Rating	Efficacy (LPW)
P15-P-A01-750-x	15	2760	B1-U0-G1	185	2696	B1-U0-G1	181	2675	B1-U0-G1	180	2658	B1-U0-G1	178	2831	B2-U0-G0	190	2861	B2-U0-G0	192
P15-P-A02-750-x	21	3851	B1-U0-G1	184	3762	B1-U0-G1	180	3733	B1-U0-G1	179	3709	B1-U0-G1	178	3951	B2-U0-G1	189	3992	B2-U0-G1	191
P15-P-A03-750-x	32	5815	B2-U0-G2	180	5681	B1-U0-G2	176	5636	B1-U0-G2	175	5600	B1-U0-G2	173	5965	B3-U0-G1	185	6028	B3-U0-G1	187
P15-P-A04-750-x	44	7770	B2-U0-G2	176	7591	B2-U0-G2	172	7531	B1-U0-G2	170	7483	B1-U0-G2	169	7971	B3-U0-G2	180	8054	B3-U0-G1	182
P15-P-A05-750-x	58	9739	B2-U0-G2	169	9513	B2-U0-G2	165	9438	B2-U0-G2	164	9378	B2-U0-G2	163	9989	B3-U0-G2	173	10094	B3-U0-G2	175
P15-P-A06-750-x	70	11676	B3-U0-G3	167	11406	B2-U0-G3	163	11316	B2-U0-G3	161	11245	B2-U0-G3	160	11977	B4-U0-G2	171	12103	B3-U0-G2	173
P15-P-A07-750-x	84	13631	B3-U0-G3	163	13316	B2-U0-G3	159	13210	B2-U0-G3	158	13127	B2-U0-G3	157	13982	B4-U0-G2	167	14128	B4-U0-G2	169
P15-P-A08-750-x	97	15506	B3-U0-G3	160	15147	B3-U0-G3	157	15027	B2-U0-G3	155	14932	B2-U0-G3	154	15905	B4-U0-G2	165	16071	B4-U0-G2	166
P15-P-A09-750-x	115	17863	B3-U0-G3	155	17450	B3-U0-G3	151	17312	B2-U0-G3	150	17203	B3-U0-G3	149	18323	B4-U0-G2	159	18515	B4-U0-G2	161
P15-P-A10-750-x	136	20028	B3-U0-G3	148	19565	B3-U0-G3	144	19410	B3-U0-G4	143	19287	B3-U0-G3	142	20544	B4-U0-G2	152	20759	B4-U0-G2	153

Ordering Code	Avg. System Watts (W)	T5W			AFR			BLC			LCL			LCR		
		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)
P15-P-A01-750-x	15	2710	B2-U0-G1	182	2859	B1-U0-G1	192	1967	B0-U0-G1	132	1347	B0-U0-G0	90	1347	B0-U0-G0	90
P15-P-A02-750-x	21	3782	B3-U0-G1	181	3989	B1-U0-G1	191	2746	B0-U0-G1	131	1880	B0-U0-G1	90	1880	B0-U0-G1	90
P15-P-A03-750-x	32	5711	B3-U0-G2	177	6024	B2-U0-G1	187	4146	B0-U0-G1	128	2838	B0-U0-G1	88	2838	B0-U0-G1	88
P15-P-A04-750-x	44	7631	B3-U0-G2	173	8049	B2-U0-G1	182	5539	B0-U0-G2	125	3792	B1-U0-G1	86	3792	B1-U0-G1	86
P15-P-A05-750-x	58	9563	B4-U0-G3	166	10087	B2-U0-G1	175	6942	B1-U0-G2	121	4753	B1-U0-G1	83	4753	B1-U0-G1	83
P15-P-A06-750-x	70	11466	B4-U0-G3	164	12094	B3-U0-G2	173	8324	B1-U0-G2	119	5698	B1-U0-G1	81	5698	B1-U0-G1	81
P15-P-A07-750-x	84	13385	B4-U0-G3	160	14119	B3-U0-G2	169	9717	B1-U0-G2	116	6652	B1-U0-G2	80	6652	B1-U0-G2	80
P15-P-A08-750-x	97	15226	B4-U0-G3	158	16060	B3-U0-G2	166	11053	B1-U0-G2	114	7567	B1-U0-G2	78	7567	B1-U0-G2	78
P15-P-A09-750-x	115	17542	B4-U0-G3	152	18503	B3-U0-G2	160	12734	B1-U0-G2	110	8718	B1-U0-G2	76	8718	B1-U0-G2	76
P15-P-A10-750-x	136	19667	B5-U0-G3	145	20745	B3-U0-G2	153	14277	B1-U0-G3	105	9774	B1-U0-G2	72	9774	B1-U0-G2	72

Precision optics lumen values: 80CRI, 2700K

Ordering Code	Avg. System Watts (W)	T2M			T3M			T4M			T4W			T5M			T5N		
		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)	Lumen Output	BUG Rating	Efficacy (LPW)
P15-P-A01-827-x	15	2384	B1-U0-G1	160	2329	B1-U0-G1	156	2311	B1-U0-G1	155	2296	B1-U0-G1	154	2446	B2-U0-G0	164	2471	B1-U0-G0	166
P15-P-A02-827-x	21	3327	B1-U0-G1	159	3250	B1-U0-G1	156	3225	B1-U0-G1	154	3204	B1-U0-G1	153	3413	B2-U0-G1	163	3449	B2-U0-G1	165
P15-P-A03-827-x	32	5024	B1-U0-G1	156	4908	B1-U0-G2	152	4869	B1-U0-G2	151	4838	B1-U0-G2	150	5153	B3-U0-G1	160	5207	B3-U0-G1	161
P15-P-A04-827-x	44	6713	B2-U0-G2	152	6558	B1-U0-G2	148	6506	B1-U0-G2	147	6465	B1-U0-G2	146	6886	B3-U0-G1	156	6958	B3-U0-G1	157
P15-P-A05-827-x	58	8413	B2-U0-G2	146	8219	B2-U0-G2	143	8154	B1-U0-G2	142	8102	B2-U0-G2	141	8630	B3-U0-G2	150	8720	B3-U0-G1	151
P15-P-A06-827-x	70	10087	B2-U0-G2	144	9854	B2-U0-G2	141	9776	B2-U0-G2	140	9714	B2-U0-G3	139	10347	B3-U0-G2	148	10455	B3-U0-G2	149
P15-P-A07-827-x	84	11776	B3-U0-G3	141	11503	B2-U0-G3	138	11413	B2-U0-G3	137	11340	B2-U0-G3	136	12079	B4-U0-G2	145	12205	B3-U0-G2	146
P15-P-A08-827-x	97	13395	B3-U0-G3	139	13086	B2-U0-G3	135	12982	B2-U0-G3	134	12900	B2-U0-G3	133	13740	B4-U0-G2	142	13884	B4-U0-G2	144
P15-P-A09-827-x	115	15432	B3-U0-G3	134	15075	B3-U0-G3	131	14956	B2-U0-G3	130	14861	B2-U0-G3	129	15830	B4-U0-G2	137	15995	B4-U0-G2	139
P15-P-A10-827-x	136	17302	B3-U0-G3	128	16902	B3-U0-G3	125	16769	B2-U0-G3	124	16662	B3-U0-G3	123	17748	B4-U0-G2	131	17933	B4-U0-G2	132

Ordering Code	Avg. System Watts (W)	T5W			AFR			BLC			LCL			LCR		
		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)
P15-P-A01-827-x	15	2341	B2-U0-G1	157	2470	B1-U0-G1	166	1700	B0-U0-G1	114	1164	B0-U0-G0	78	1164	B0-U0-G0	78
P15-P-A02-827-x	21	3267	B2-U0-G1	156	3446	B1-U0-G1	165	2372	B0-U0-G1	114	1624	B0-U0-G1	78	1624	B0-U0-G1	78
P15-P-A03-827-x	32	4934	B3-U0-G2	153	5204	B2-U0-G1	161	3581	B0-U0-G1	111	2452	B0-U0-G1	76	2452	B0-U0-G1	76
P15-P-A04-827-x	44	6592	B3-U0-G2	149	6953	B2-U0-G1	157	4785	B0-U0-G1	108	3276	B0-U0-G1	74	3276	B0-U0-G1	74
P15-P-A05-827-x	58	8262	B3-U0-G2	143	8714	B2-U0-G1	151	5997	B0-U0-G2	104	4106	B1-U0-G1	71	4106	B1-U0-G1	71
P15-P-A06-827-x	70	9906	B4-U0-G3	141	10448	B3-U0-G1	149	7191	B1-U0-G2	103	4923	B1-U0-G1	70	4923	B1-U0-G1	70
P15-P-A07-827-x	84	11564	B4-U0-G3	138	12197	B3-U0-G2	146	8394	B1-U0-G2	100	5747	B1-U0-G1	69	5747	B1-U0-G1	69
P15-P-A08-827-x	97	13154	B4-U0-G3	136	13875	B3-U0-G2	144	9549	B1-U0-G2	99	6537	B1-U0-G2	68	6537	B1-U0-G2	68
P15-P-A09-827-x	115	15154	B4-U0-G3	131	15984	B3-U0-G2	139	11001	B1-U0-G2	95	7531	B1-U0-G2	65	7531	B1-U0-G2	65
P15-P-A10-827-x	136	16991	B4-U0-G3	125	17921	B3-U0-G2	132	12334	B1-U0-G2	91	8444	B1-U0-G2	62	8444	B1-U0-G2	62

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.

P15 PureForm

Small, square area light

Precision optics lumen values: 80CRI, 3000K

Ordering Code	Avg. System Watts (W)	T2M			T3M			T4M			T4W			T5M			T5N		
		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)	Lumen Output	BUG Rating	Efficacy (LPW)
P15-P-A01-830-x	15	2473	B1-U0-G1	166	2416	B1-U0-G1	162	2397	B1-U0-G1	161	2382	B1-U0-G1	160	2537	B2-U0-G0	170	2563	B1-U0-G0	172
P15-P-A02-830-x	21	3451	B1-U0-G1	165	3371	B1-U0-G1	161	3345	B1-U0-G1	160	3323	B1-U0-G1	159	3540	B2-U0-G1	169	3577	B2-U0-G1	171
P15-P-A03-830-x	32	5211	B1-U0-G1	161	5090	B1-U0-G2	158	5050	B1-U0-G2	156	5018	B1-U0-G2	155	5345	B3-U0-G1	166	5401	B3-U0-G1	167
P15-P-A04-830-x	44	6963	B2-U0-G2	158	6802	B1-U0-G2	154	6748	B1-U0-G2	153	6705	B1-U0-G2	152	7142	B3-U0-G1	162	7217	B3-U0-G1	163
P15-P-A05-830-x	58	8726	B2-U0-G2	152	8525	B2-U0-G2	148	8457	B1-U0-G2	147	8404	B2-U0-G2	146	8951	B3-U0-G2	155	9045	B3-U0-G1	157
P15-P-A06-830-x	70	10463	B2-U0-G2	149	10221	B2-U0-G3	146	10140	B2-U0-G2	145	10076	B2-U0-G3	144	10732	B3-U0-G2	153	10845	B3-U0-G2	155
P15-P-A07-830-x	84	12214	B3-U0-G3	146	11932	B2-U0-G3	143	11837	B2-U0-G3	142	11762	B2-U0-G3	141	12529	B4-U0-G2	150	12660	B3-U0-G2	151
P15-P-A08-830-x	97	13894	B3-U0-G3	144	13573	B2-U0-G3	140	13466	B2-U0-G3	139	13380	B2-U0-G3	138	14252	B4-U0-G2	147	14401	B4-U0-G2	149
P15-P-A09-830-x	115	16007	B3-U0-G3	139	15636	B3-U0-G3	136	15513	B2-U0-G3	135	15415	B3-U0-G3	134	16419	B4-U0-G2	142	16591	B4-U0-G2	144
P15-P-A10-830-x	136	17946	B3-U0-G3	132	17531	B3-U0-G3	129	17393	B2-U0-G3	128	17282	B3-U0-G3	128	18408	B4-U0-G2	136	18601	B4-U0-G2	137

Ordering Code	Avg. System Watts (W)	T5W			AFR			BLC			LCL			LCR		
		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)
P15-P-A01-830-x	15	2429	B2-U0-G1	163	2562	B1-U0-G1	172	1763	B0-U0-G1	118	1207	B0-U0-G0	81	1207	B0-U0-G0	81
P15-P-A02-830-x	21	3389	B2-U0-G1	162	3575	B1-U0-G1	171	2460	B0-U0-G1	118	1684	B0-U0-G1	81	1684	B0-U0-G1	81
P15-P-A03-830-x	32	5117	B3-U0-G2	158	5397	B2-U0-G1	167	3715	B0-U0-G1	115	2543	B0-U0-G1	79	2543	B0-U0-G1	79
P15-P-A04-830-x	44	6837	B3-U0-G2	155	7212	B2-U0-G1	163	4963	B0-U0-G2	112	3398	B0-U0-G1	77	3398	B0-U0-G1	77
P15-P-A05-830-x	58	8569	B3-U0-G2	149	9039	B2-U0-G1	157	6221	B0-U0-G2	108	4259	B1-U0-G1	74	4259	B1-U0-G1	74
P15-P-A06-830-x	70	10274	B4-U0-G3	147	10837	B3-U0-G2	155	7458	B1-U0-G2	106	5106	B1-U0-G1	73	5106	B1-U0-G1	73
P15-P-A07-830-x	84	11994	B4-U0-G3	144	12651	B3-U0-G2	151	8707	B1-U0-G2	104	5961	B1-U0-G2	71	5961	B1-U0-G2	71
P15-P-A08-830-x	97	13644	B4-U0-G3	141	14391	B3-U0-G2	149	9904	B1-U0-G2	102	6780	B1-U0-G2	70	6780	B1-U0-G2	70
P15-P-A09-830-x	115	15718	B4-U0-G3	136	16579	B3-U0-G2	144	11410	B1-U0-G2	99	7811	B1-U0-G2	68	7811	B1-U0-G2	68
P15-P-A10-830-x	136	17623	B4-U0-G3	130	18588	B3-U0-G2	137	12793	B1-U0-G2	94	8758	B1-U0-G2	65	8758	B1-U0-G2	65

Precision optics lumen values: 80CRI, 4000K

Ordering Code	Avg. System Watts (W)	T2M			T3M			T4M			T4W			T5M			T5N		
		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)	Lumen Output	BUG Rating	Efficacy (LPW)
P15-P-A01-840-x	15	2535	B1-U0-G1	170	2476	B1-U0-G1	166	2457	B1-U0-G1	165	2441	B1-U0-G1	164	2600	B2-U0-G0	175	2627	B2-U0-G0	176
P15-P-A02-840-x	21	3537	B1-U0-G1	169	3455	B1-U0-G1	165	3428	B1-U0-G1	164	3406	B1-U0-G1	163	3628	B2-U0-G1	174	3666	B2-U0-G1	175
P15-P-A03-840-x	32	5341	B1-U0-G1	165	5217	B1-U0-G2	162	5176	B1-U0-G2	160	5143	B1-U0-G2	159	5478	B3-U0-G1	170	5536	B3-U0-G1	171
P15-P-A04-840-x	44	7136	B2-U0-G2	162	6971	B1-U0-G2	158	6916	B1-U0-G2	157	6872	B1-U0-G2	156	7320	B3-U0-G1	166	7397	B3-U0-G1	167
P15-P-A05-840-x	58	8944	B2-U0-G2	155	8737	B2-U0-G2	152	8668	B2-U0-G2	151	8613	B2-U0-G2	150	9174	B3-U0-G2	159	9270	B3-U0-G1	161
P15-P-A06-840-x	70	10723	B2-U0-G2	153	10475	B2-U0-G3	149	10393	B2-U0-G2	148	10327	B2-U0-G3	147	11000	B3-U0-G2	157	11115	B3-U0-G2	159
P15-P-A07-840-x	84	12518	B3-U0-G3	150	12229	B2-U0-G3	146	12132	B2-U0-G3	145	12055	B2-U0-G3	144	12841	B4-U0-G2	154	12975	B4-U0-G2	155
P15-P-A08-840-x	97	14240	B3-U0-G3	147	13911	B2-U0-G3	144	13801	B2-U0-G3	143	13713	B2-U0-G3	142	14607	B4-U0-G2	151	14760	B4-U0-G2	153
P15-P-A09-840-x	115	16405	B3-U0-G3	142	16026	B3-U0-G3	139	15900	B2-U0-G3	138	15799	B3-U0-G3	137	16828	B4-U0-G2	146	17004	B4-U0-G2	147
P15-P-A10-840-x	136	18393	B3-U0-G3	136	17968	B3-U0-G3	133	17826	B2-U0-G3	132	17713	B3-U0-G3	131	18867	B4-U0-G2	139	19065	B4-U0-G2	141

Ordering Code	Avg. System Watts (W)	T5W			AFR			BLC			LCL			LCR		
		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)
P15-P-A01-840-x	15	2489	B2-U0-G1	167	2625	B1-U0-G1	176	1807	B0-U0-G1	121	1237	B0-U0-G0	83	1237	B0-U0-G0	83
P15-P-A02-840-x	21	3473	B2-U0-G1	166	3664	B1-U0-G1	175	2521	B0-U0-G1	121	1726	B0-U0-G1	83	1726	B0-U0-G1	83
P15-P-A03-840-x	32	5245	B3-U0-G2	162	5532	B2-U0-G1	171	3807	B0-U0-G1	118	2606	B0-U0-G1	81	2606	B0-U0-G1	81
P15-P-A04-840-x	44	7008	B3-U0-G2	159	7392	B2-U0-G1	167	5087	B0-U0-G2	115	3483	B0-U0-G1	79	3483	B0-U0-G1	79
P15-P-A05-840-x	58	8783	B3-U0-G2	153	9264	B2-U0-G1	161	6376	B0-U0-G2	111	4365	B1-U0-G1	76	4365	B1-U0-G1	76
P15-P-A06-840-x	70	10530	B4-U0-G3	150	11107	B3-U0-G2	158	7644	B1-U0-G2	109	5233	B1-U0-G1	75	5233	B1-U0-G1	75
P15-P-A07-840-x	84	12293	B4-U0-G3	147	12966	B3-U0-G2	155	8924	B1-U0-G2	107	6109	B1-U0-G2	73	6109	B1-U0-G2	73
P15-P-A08-840-x	97	13984	B4-U0-G3	145	14750	B3-U0-G2	153	10151	B1-U0-G2	105	6949	B1-U0-G2	72	6949	B1-U0-G2	72
P15-P-A09-840-x	115	16110	B4-U0-G3	140	16993	B3-U0-G2	147	11695	B1-U0-G2	101	8006	B1-U0-G2	69	8006	B1-U0-G2	69
P15-P-A10-840-x	136	18062	B5-U0-G3	133	19052	B3-U0-G2	141	13112	B1-U0-G2	97	8976	B1-U0-G2	66	8976	B1-U0-G2	66

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.

P15 PureForm

Small, square area light

Comfort optics lumen values @ 3000K

Ordering Code	Average System Watts (W)	T1S			T2S			T4S			4CD			T5S		
		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)
P15-C-A01-830-x	21	2051	B1-U0-G1	99	2162	B1-U0-G1	104	2277	B1-U0-G1	109	2388	B1-U0-G1	115	2258	B2-U0-G1	109
P15-C-A02-830-x	36	3580	B2-U0-G2	100	3774	B1-U0-G1	106	3975	B2-U0-G2	112	4168	B1-U0-G1	117	3941	B2-U0-G2	111
P15-C-A03-830-x	52	5310	B2-U0-G2	100	5598	B2-U0-G2	106	5895	B2-U0-G2	111	6182	B2-U0-G2	117	5845	B3-U0-G2	110
P15-C-A04-830-x	72	7176	B3-U0-G3	100	7565	B3-U0-G3	106	7967	B3-U0-G3	111	8354	B3-U0-G3	117	7900	B3-U0-G3	110
P15-C-A05-830-x	90	8736	B3-U0-G3	97	9210	B3-U0-G3	102	9699	B3-U0-G3	108	10170	B3-U0-G3	113	9617	B3-U0-G3	107

Lumen table for emergency @ 3000K

80CRI			T1S			T2S			T4S			4CD			T5S		
Ordering Code	Color Temp	Average System Watts (W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)
P15-C-10W-830-x-UNV-EM (EM Mode)	3000	10	1153		115.3	1216		121.6	1280		128.0	1343		134.3	1270		127.0
P15-C-A01-830-x	3000	21	2051	B1-U0-G1	98.6	2162	B1-U0-G1	103.9	2277	B1-U0-G1	109.5	2388	B1-U0-G1	114.8	2258	B2-U0-G1	108.6
P15-C-A02-830-x	3000	36	3580	B2-U0-G2	100.5	3774	B1-U0-G1	105.9	3975	B2-U0-G2	111.5	4168	B1-U0-G1	117.0	3941	B2-U0-G2	110.6
P15-C-A03-830-x	3000	53	5310	B2-U0-G2	100.2	5598	B2-U0-G2	105.6	5895	B2-U0-G2	111.2	6182	B2-U0-G2	116.6	5845	B3-U0-G2	110.3

Comfort optics lumen values @ 4000K

Ordering Code	Average System Watts (W)	T1S			T2S			T4S			4CD			T5S		
		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)
P15-C-A01-840-x	21	2211	B1-U0-G1	104	2331	B1-U0-G1	110	2455	B1-U0-G1	116	2574	B1-U0-G1	122	2434	B2-U0-G1	115
P15-C-A02-840-x	36	3860	B2-U0-G2	108	4070	B1-U0-G1	114	4286	B2-U0-G2	120	4494	B1-U0-G1	126	4250	B2-U0-G2	119
P15-C-A03-840-x	52	5644	B2-U0-G2	109	5950	B2-U0-G2	114	6266	B2-U0-G2	121	6570	B2-U0-G2	126	6213	B3-U0-G2	119
P15-C-A04-840-x	72	7627	B3-U0-G3	107	8041	B3-U0-G3	112	8145	B3-U0-G3	114	8879	B3-U0-G3	124	8397	B3-U0-G3	117
P15-C-A05-840-x	90	9286	B3-U0-G3	103	9790	B3-U0-G3	109	10310	B3-U0-G3	115	10810	B3-U0-G3	120	10223	B3-U0-G3	114

Lumen values for emergency mode @ 4000K

80CRI			T1S			T2S			T4S			4CD			T5S		
Ordering Code	Color Temp	Average System Watts (W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)
P15-C-10W-840-x- UNV EM (EM Mode)	4000	10	1243	-	124.3	1311	-	131.1	1380	-	138.0	1447	-	144.7	1369	-	136.9
P15-C-A01-840-x	4000	21	2211	B1-U0-G1	104.4	2331	B1-U0-G1	110.1	2455	B1-U0-G1	115.9	2574	B1-U0-G1	121.6	2434	B2-U0-G1	114.9
P15-C-A02-840-x	4000	36	3860	B2-U0-G2	108.3	4070	B1-U0-G1	114.2	4286	B2-U0-G2	120.3	4494	B1-U0-G1	126.1	4250	B2-U0-G2	119.3
P15-C-A03-840-x	4000	52	5644	B2-U0-G2	108.5	5950	B2-U0-G2	114.4	6266	B2-U0-G2	120.5	6570	B2-U0-G2	126.3	6213	B3-U0-G2	119.5

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.

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Small, square area light

Predicted Lumen Depreciation Data

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

Ambient Temperature °C	Calculated L_{70} Hours	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	>100,000 hours	>120,000 hours	>99%

Precision optical distributions

Based on configuration P15-P-A03-740 mounted at 15ft

Type 2 Medium | Type 3 Medium | Type 4 Short | Type 5 Short | Back Light Control

Precision optical distributions

Based on configuration P15-C-A03-840 mounted at 15ft

Comfort T1S | Comfort T2S | Comfort T4S | Comfort 4CD | Comfort T5S

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Small, square area light

Specifications

Housing

One-piece cast aluminum housing with integral arm and die cast light engine frame. Luminaire housing rated to IP65, tested in accordance to Section 9 of IEC 60598-1.

Vibration resistance

Luminaire is tested and rated to Level 2 (3.8G) over 100,000 cycles conforming to standards set forth by ANSI C136.31-2018. Testing includes vibration in three axes, all performed on the same luminaire.

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 ensures contact with housing to provide efficient heat path through conduction and convection to ambient air. Light engine is RoHS compliant. Standard color temperatures: 3000K +/- 175K, 4000K+/- 275K. Minimum CRI of 80. Also available in 5000K (70 CRI).

Energy saving benefits

System efficacy up to 160 lms/W with significant energy savings over Pulse Start Metal Halide luminaires. Optional control options provide added energy savings during unoccupied periods.

Optical systems

Type 2 Medium, Type 3 Medium, Type 4 Short, and Type 5 Short distributions available. Internal Shield option mounts to LED optics and is available with Type 2, 3, and 4 distributions including a dedicated BLC optic to provide the best backlight control possible for those stringent requirements around property lines. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

Mounting

Standard luminaire arm mounts to 4" O.D. round poles. Can also be used with 5" O.D. poles. Square pole adapter included with every luminaire. PureForm features a retrofit arm kit. When specified with the retrofit arm (RAM) option, PureForm seamlessly simplifies site conversions to LED by eliminating the need for additional pole drilling on most existing poles. RAM will be boxed separately. Also optional are wall mounting accessories.

Control options

0–10V dimming (DLEA): Order this option if you want access to 0-10V dimming leads supplied through the arm 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.

Automatic Profile Dimming (CS/CM/CE/CA): 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 1 or 2 hours before depending of the duration of dimming. Cannot be used with other dimming control options.

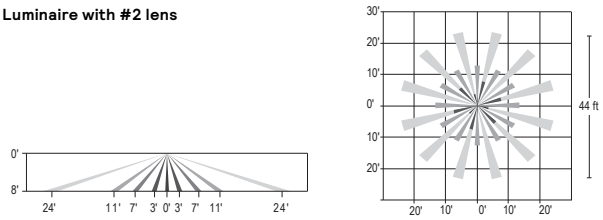
Motion response options

Bi-Level Infrared Motion Response (BL50): Motion Response module is mounted integral to luminaire factory pre-programmed 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).

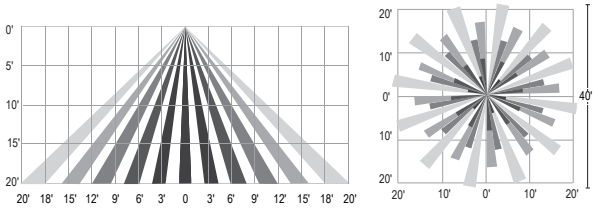
Infrared Motion Response with Other Controls: When used in combination with other controls (Automatic Dimming Profile and SiteWise), motion response device will simply override controller's schedule with the added benefits of a combined dimming profile and sensor detection. In this configuration, the motion response device cannot be re-programmed with FSIR-100 Wireless Remote Programming Tool. The profile can only be re-programmed via the controller.

Infrared Motion Response Lenses (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 lens (L2) is designed for mounting heights from 8' to 15' with a 44' coverage area. Lens #3 (L3) is designed for mounting heights up to 25' with a more precise cover area of 40'. See charts for approximate detection patterns:

Luminaire with #2 lens



Luminaire with #3 lens



P15 PureForm

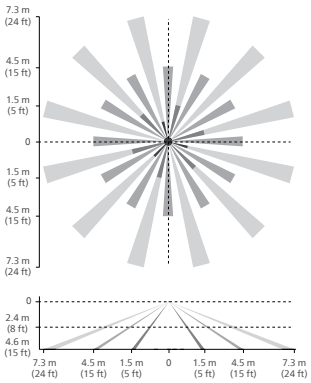
Small, square area light

Specifications (cont'd)

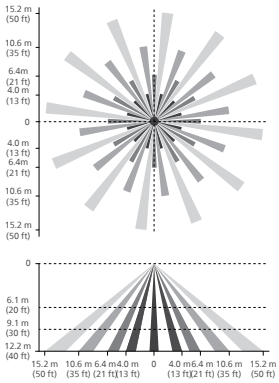
Outdoor Interact (WIAP): Connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the standalone mode when configured without a gateway. When used with a gateway you are able to access additional functionalities such as energy monitoring, scheduling 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

Twist-Lock Receptacle (TR7/TLP): Twist-Lock Receptacle with 7 pins enabling dimming with additional functionality (by others) can be used with a twist-lock photoelectric cell or a shorting cap. Dimming Receptacle Type D-24 (7-pin) in accordance to ANSI C136.41. Can be used with third-party control system. Receptacle located on top of luminaire arm. When specifying receptacle with twist-lock photoelectric cell, voltage must be specified. When ordering 7-pin Twist-lock receptacle (TR7), all 7 pins are wired to respective pins with the Sensor Ready (SR) driver, and photocell or shorting cap is not included. When ordering a twist-lock receptacle with a photocell (TLP), the receptacle used is a 7-pin receptacle, but pins 6 and 7 are not connected (no SR driver). 0-10V dimming leads (pins 4 and 5) are connected if not ordered with any other dimming option.

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, and TR7). 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): Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA. 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Emergency Battery Backup (EM): 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 up to 40°C (104°F) available on A06 and A07 precision engine and 0°C (32°F) to 40°C (100°F) available on A01 and A02 in comfort engine only. 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 120-277V, or 'UNV' only. EMC is cold weather rated for use in ambient temperature conditions from -20°C (-4°F) to 40°C (104°F) available only comfort light engine.

Listings

UL/cUL wet location listed to the UL 1598 standard, suitable for use in ambient temperatures from -40° to 40°C (-40° to 104°F). Most PureForm P15 configurations are qualified under Premium DesignLights Consortium® category. Consult DLC Qualified Products list to confirm your specific luminaire selection is approved. CCTs 3000K and warmer are 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 (DG), and medium gray (MG). 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.

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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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GENLYTE SOLUTIONS
a signify business

Signify North America Corp.
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 800-555-0050

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

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