

P26 PureForm LED medium

Area light with comfort optics

PureForm P26 Accessories¹ (ordered separately, field installed)

Shielding Accessories

House Side Shield

Standard optic orientation

HIS-48-H¹	Internal House Side Shield for 48 LEDs (3 modules)
HIS-64-H¹	Internal House Side Shield for 64 LEDs (4 modules)
HIS-80-H¹	Internal House Side Shield for 80 LEDs (5 modules)

Optic at 90 or 270 orientation

HIS-48-V¹	Internal House Side Shield for 48 LEDs (3 modules)
HIS-64-V¹	Internal House Side Shield for 64 LEDs (4 modules)
HIS-80-V¹	Internal House Side Shield for 80 LEDs (5 modules)

Footnotes

- HIS not available with Type 5, 5W, and BLC optics.
- Consult Signify to confirm whether specific accessories are BAA-compliant.

Pole Top Fitters

(F) = Specify finish

PTF2 - Pole top fitter fits 23/8-21/2" OD x 4" depth tenon

PTF2-1-90-(F)	1 luminaire at 90°
PTF2-2-90-(F)	2 luminaires at 90°
PTF2-2-180-(F)	2 luminaires at 180°
PTF2-3-90-(F)	3 luminaires at 90°
PTF2-4-90-(F)	4 luminaires at 90°
PTF2-3-120-(F)	3 luminaires at 120°

PTF3 - Pole top fitter fits 3-31/2" OD x 6" depth tenon

PTF3-1-90-(F)	1 luminaire at 90°
PTF3-2-90-(F)	2 luminaires at 90°
PTF3-2-180-(F)	2 luminaires at 180°
PTF3-3-90-(F)	3 luminaires at 90°
PTF3-4-90-(F)	4 luminaires at 90°
PTF3-3-120-(F)	3 luminaires at 120°

Controls Accessories

BL Optional Remote Programming Tool

FSIR-100

IRT9015	Handheld remote for grouping and configuration of Wireless Interact WIAP (at least 1 required per site or use the Interact Pro App).
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- Consult Signify to confirm whether specific accessories are BAA-compliant.

Mounting Accessories

(F) = Specify finish

P26-SF-G2-(F)	Slip Fitter Mount (fits to 2 3/8" O.D. tenon)
P26-RAM-G2-(F)	Retrofit Arm mount kit
P26-WS-G2-(F)	Wall mount with surface conduit rear entry permitted
P26-BD-G2	Bird deterrent
P26-EHS-G2-BK	External House Side Shield, Black

LED Wattage and Lumen Values - 5000K

Ordering code	LED Qty	System Current (mA)	Color Temp	Avg System Wattage (W)	Type 2			Type 3			Type 5		
					Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)
P26-196L-450-CW-G2-x-UNV	196	450	5000	21	2228	B1-U0-G1	107	2492	B1-U0-G1	119	2496	B2-U0-G1	119
P26-196L-650-CW-G2-x-UNV	196	650	5000	30	3175	B1-U0-G1	106	3552	B2-U0-G2	118	3558	B2-U0-G1	119
P26-196L-1150-CW-G2-x-UNV	196	1150	5000	51	5576	B2-U0-G2	109	6237	B2-U0-G2	122	6249	B3-U0-G2	123
P26-196L-1675-CW-G2-x-UNV	196	1675	5000	75	7888	B3-U0-G3	105	8823	B3-U0-G3	118	8839	B3-U0-G2	118
P26-196L-2100-CW-G2-x-UNV	196	2100	5000	95	9668	B3-U0-G3	102	10816	B3-U0-G3	114	10835	B3-U0-G3	114

LED Wattage and Lumen Values - 4000K

Ordering code	LED Qty	System Current (mA)	Color Temp	Avg System Wattage (W)	Type 2			Type 3			Type 5		
					Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)
P26-196L-450-NW-G2-x-UNV	196	450	4000	21	2122	B1-U0-G1	102	2373	B1-U0-G1	114	2377	B2-U0-G1	114
P26-196L-650-NW-G2-x-UNV	196	650	4000	30	3024	B1-U0-G1	101	3383	B2-U0-G2	113	3389	B2-U0-G1	113
P26-196L-1150-NW-G2-x-UNV	196	1150	4000	51	5310	B2-U0-G2	104	5940	B2-U0-G2	116	5951	B3-U0-G2	117
P26-196L-1675-NW-G2-x-UNV	196	1675	4000	75	7512	B3-U0-G3	100	8403	B3-U0-G3	112	8418	B3-U0-G2	112
P26-196L-2100-NW-G2-x-UNV	196	2100	4000	95	9208	B3-U0-G3	97	10301	B3-U0-G3	109	10319	B3-U0-G2	109

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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Area light with comfort optics

LED Wattage and Lumen Values - 3000K

Ordering code	LED Qty	System Current (mA)	Color Temp	Avg System Wattage (W)	Type 2			Type 3			Type 5		
					Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)	Lumen Output	BUG Rating	Efficacy (Lm/W)
P26-196L-450-WW-G2-x-UNV	196	450	3000	21	2040	B1-U0-G1	98	2282	B1-U0-G1	109	2286	B2-U0-G1	109
P26-196L-650-WW-G2-x-UNV	196	650	3000	30	2908	B1-U0-G1	97	3253	B1-U0-G1	108	3259	B2-U0-G1	109
P26-196L-1150-WW-G2-x-UNV	196	1150	3000	51	5106	B2-U0-G2	100	5712	B2-U0-G2	112	5722	B3-U0-G2	112
P26-196L-1675-WW-G2-x-UNV	196	1675	3000	75	7223	B3-U0-G3	96	8080	B3-U0-G3	108	8094	B3-U0-G2	108
P26-196L-2100-WW-G2-x-UNV	196	2100	3000	95	8854	B3-U0-G3	93	9905	B3-U0-G3	105	9922	B3-U0-G2	105

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.

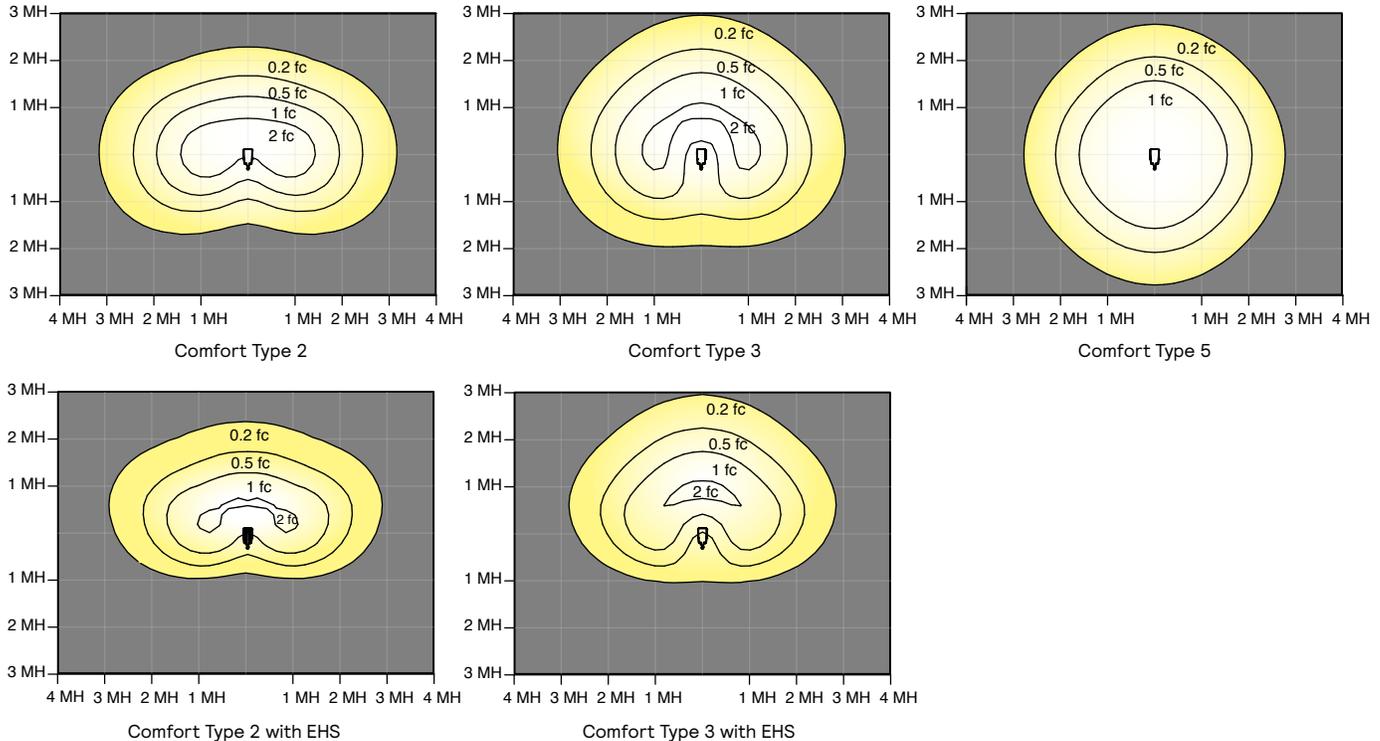
Predicted Lumen Depreciation Data

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. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours

Ambient Temperature °C	Drive current	Calculated L ₇₀ Hours	L ₇₀ per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	up to 2100 mA	>100,000 hours	>60,000 hours	>89%

Optical Distributions

Based on 20' mounting height



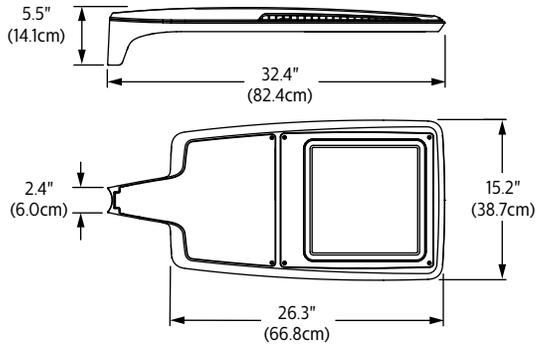
P26 PureForm LED medium

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Dimensions

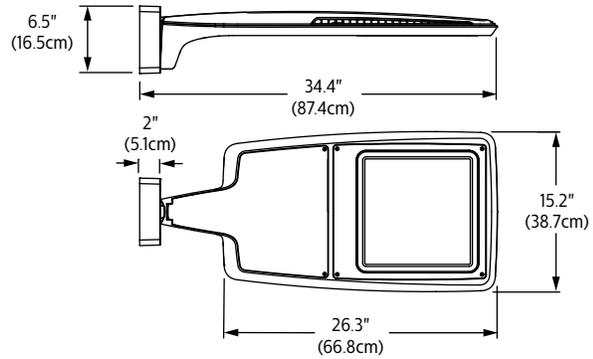
Standard Arm (AR)

Weight: 27 Lbs (12.4 Kg) EPA: 0.26ft² (.024m²)



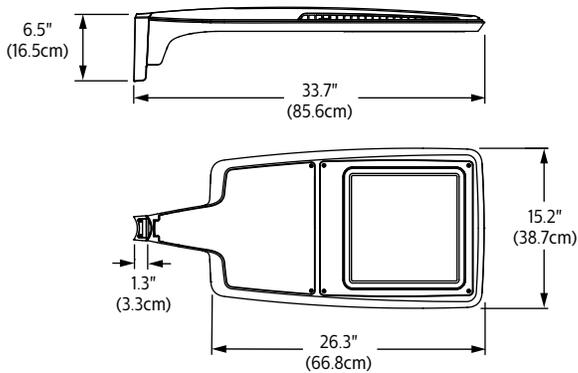
Wall (WS)

Weight: 30 Lbs. (13.7 Kg) EPA: 0.30ft² (.028m²)



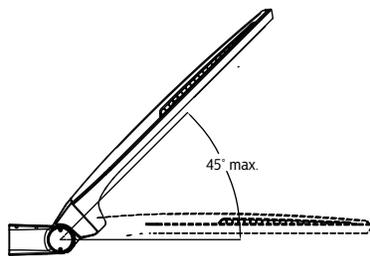
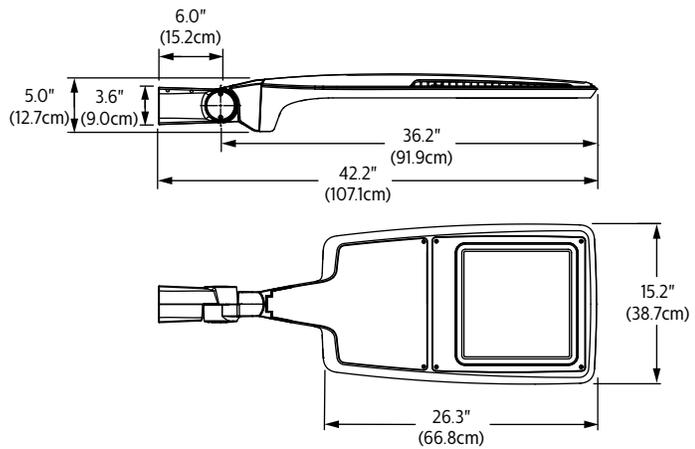
Retrofit Arm (RAM)

Weight: 28 Lbs (12.7 Kg) EPA: 0.28ft² (.026m²)

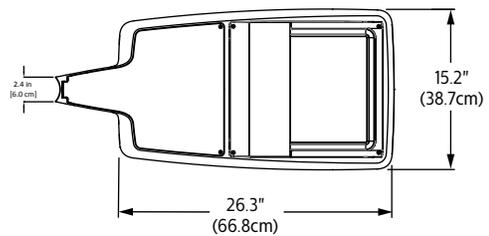
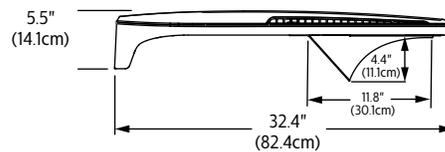


Slip fitter (SF)

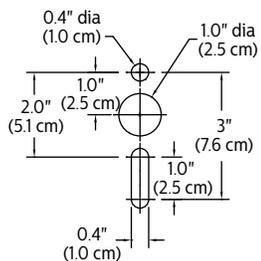
Weight: 32 Lbs (14.6 Kg) EPA: 0.38ft² (.035m²)



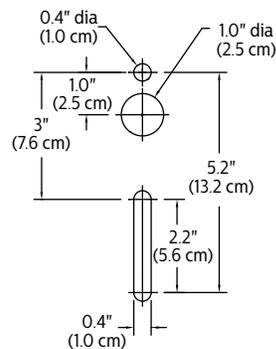
With External House Shield option (EHS)



Standard Arm (AR) drill pattern



Retrofit arm drill pattern



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Area light with comfort optics

Specifications

Housing

Two-piece sealed enclosure with main part of the housing designed as the structural and heat sink frame enclosed by cover to give its unique form. It also includes integral arm and separate, self-retained hinged, one-piece die cast door frame. All die-cast parts made of low copper die cast aluminum alloy for a high resistance to corrosion. The sleek profile with optimized surface area allows housing to provide excellent convection heat transfer with minimum use of heat fins, giving the freedom to have a clean minimalist aesthetic design. Luminaire housing rated to IP65, tested in accordance to Section 9 of IEC 60598-1.

Vibration resistance

Luminaire is tested and rated 3G over 100,000 cycles conforming to standards set forth by ANSI C136.31-2010. Testing includes vibration in three axes, all performed on the same luminaire.

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, 3500K, and Amber (Dominant wavelength 589nm, peak wavelength 633nm, and minimum wavelength 486nm) with extended lead times.

Energy saving benefits

System efficacy up to 105 lms/W with significant energy savings over Pulse Start Metal Halide luminaires. Optional control options provide added energy savings during unoccupied periods.

Optical systems

The advanced LED comfort optical system provides Types 2, 3, and 5. Composed of high performance UV-stabilized optical grade lens with molded micro-optics to achieve desired distribution optimized to get an exceptional lighting uniformity. 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" round poles. Can also be used with 5" O.D. poles. Square pole adapter included with every luminaire. Round Pole Adapter (RPA) required for 3-3.9" poles. 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 slipfitter and wall mounting accessories. Note that only fixed mounts (AR, RAM, WS) are required to meet IDA compliance. SF mounting will not meet IDA.

Control options

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

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 dimming 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.

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 position at the lumen output selected. Use chart below to estimate reduction in lumen output desired. Cannot be used with other control options or motion response.

FAWS Position	Percent of Typical Lumen Output
1	25%
2	50%
3	55%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: Typical value accuracy +/- 5%

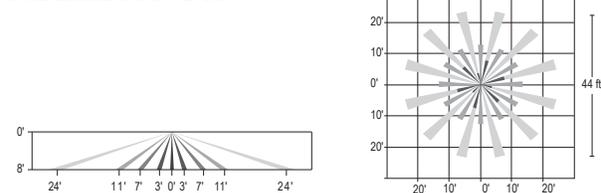
Motion response options

Bi-Level Infrared Motion Response (BL-IMRI): Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming when not ordered with other control options. BL-IMRI 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).

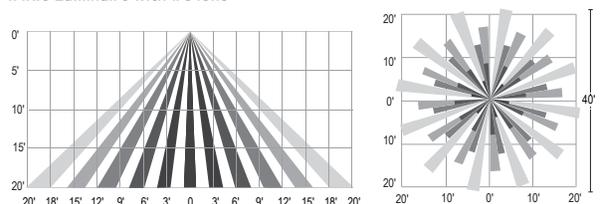
Infrared Motion Response with Other Controls: When used in combination with other controls (Automatic Dimming Profile), motion response device will simply override controller's schedule with the added benefits of a combined dimming profile and sensor detection. In this configuration, the motion response 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 (IMRI2/IMRI3): Infrared Motion Response Integral module is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges. Lens #2 is designed for mounting heights 8' to 15'. Lens #3 (IMRI3) is designed for higher mounting heights up to 20' with a 40' diameter coverage area. See charts for approximate detection patterns:

IMRI2 Luminaire with #2 lens



IMRI3 Luminaire with #3 lens



P26 PureForm LED medium

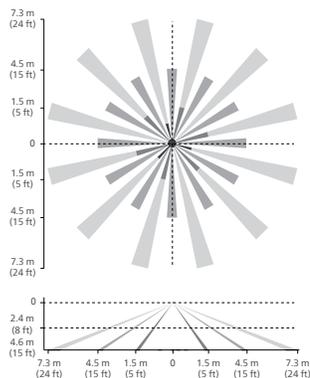
Area light with comfort optics

Specifications (cont'd)

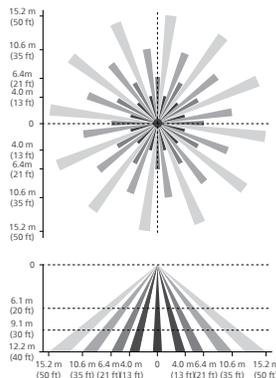
Outdoor Interact (WIAP): Connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the standalone mode when configured without a gateway. When used with a gateway you are able to access additional functionalities such as energy monitoring, scheduling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

LB or LW low sensor



HB or 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 (TLRD5/TLRD7/TLRPC): Twist Lock Receptacle with 5 pins enabling dimming or with 7 pins with additional functionality (by others) can be used with a twistlock photoelectric cell or a shorting cap. Dimming Receptacle Type B (5-pin) and 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 housing. When specifying receptacle with twistlock photoelectric cell, voltage must be specified. When ordering Twist-lock receptacle (TLRD5 or TLRD7), photocell or shorting cap is not included. TLRPC is shipped standard with 5 pin.

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. Optional 0-10V dimming to 10% power. RoHS 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.

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 P26 comfort configurations are qualified under Standard 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, triglycidyl 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 American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA 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. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

