GARDCO

Site and Area

OptiForm

OPF-M Medium



Gardco OptiForm site and area luminaires combine high performance and versatility in four sizes—small through extra-large—to meet a wide range of outdoor lighting needs. Delivering up to **192 lm/W** with **11 precision optical distributions,** OptiForm ensures efficient, uniform illumination for diverse applications. Its **innovative two-piece housing design** simplifies installation, while multiple mounting options—arm, mast arm, wall, post-top, and slip fitter—provide flexibility to adapt seamlessly to any site & area condition.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

Example: OPF-M-20L-840-T4M-AR1-120-BL50-L3-BZ

Luminaire

OPF-M OptiForm Medium Area Light

Configuration (nom. lumens)

Site and Area

20L	20,000 lm
24L	24,000 lm
29L	29,000 lm
34L	34,000 lm

Color Temp.

827[1]	80CRI 2700K
830	80CRI 3000K
840	80CRI 4000K
727[1]	70CRI 2700K
730	70CRI 3000K
740	70CRI 4000K
750	70CRI 5000K

Distribution

Autofront row

AFR	Autofront row
AFR-90	Rotated left 90°
AFR-270	Rotated left 270°

Type 2

T2M	Type 2 medium
T2M-90	Rotated left 90°
T2M-270	Rotated left 270°

Type 3

T3M	Type 3 medium
T3M-90	Rotated left 90°
T3M-270	Rotated left 270°

LEED Optics

LCL	LEED corner left
LCR	LEED corner 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°

Mounting

AR1[2,10]	Arm mount (standard)
MAR[3]	Mast arm
WAL	Wall mount
POS	Single post top
MOS[4]	Mounting (ordered separately)

Adjustable mountings[12]

SF2	2-3/8" slip fitter
SF3	3" slip fitter
ARA[2,10]	Arm Mount
MAA	Mast arm
POA	Post top

Voltage

120	120V
208	208V
240	240V
277	277V
347	347V
480	480V
UNV	120-277V
HVX	277-480V

Dimming Controls (only one may be selected)

The following options include 0-10V Driver

None	0-10V dimming driver (standard)
DLEA[5]	Dimming leads externally accessible (controls by others)
FAWS[5,6]	Field adjustable wattage selector
BL50L3[5]	PIR motion response dim to 50% L3 lens (20'-40')

The following options include D4i Certified DALI/SR Driver

D4ID[5]	D4i Certified DALI/SR Driver
ZD4I[5]	Zhaga-D4i Certified Fixture (includes Zhaga 4-pin receptacle)
WIAPLW[5]	Wireless Interact outdoor low mounting (7-15'), white housing
WIAPLB[5]	Wireless Interact outdoor low mounting (7-15'), black housing
WIAPHW[5]	Wireless Interact outdoor high mounting (15-40'), white housing
WIAPHB[5]	Wireless Interact outdoor high mounting (15-40'), black housing

DynaDimmer: Automatic Profile Dimming

CS50[5]	Security 50% dimming, 7 hours
CM50[5]	Median 50% dimming, 8 hours
CS30[5]	Security 30% dimming, 7 hours
CM30[5]	Median 30% dimming, 8 hours

Lighting Controls & Sensing (only one may be selected)

None	-
PCB[8,9]	Photocontrol Button
TR7[5,13]	NEMA 7-pin Twist Lock Receptacle
TLP[5,13]	NEMA 7-pin Twist Lock Receptacle with 3-pin photocell
OMS[5,11]	Outdoor Multisensor

Options

None -

Surge protection

None	Surge protector 10kV/10kA (standard)
SP2	Surge protector 20kV/10kA (option)

Fusing

FS1[8]	Single Fuse (120, 277, or 347VAC)
FS2[8]	Double Fuse (208V, 240V, 480V)

Finish

Standard textured

BK	Black
WH	White
BZ	Bronze
DG	Dark Gray
MG	Medium Gray

Customer specified[1]

OC	Specify optional color or RAL (consult factory)
SC	Special color (must supply color chip, requires factory quote)
MP	Marine grade paint (must also specify one of the finish colors from list above [Ex: BK-MP], requires factory quote)

Footnotes on page 2.

DARKSKY APPROVED Reduces light pollution Certified by DarkSky.org

ZD4i

cULus

interact ready.

OPF-M OptiForm medium

Site & area luminaire

Ordering guide footnotes

1. Extended leadtime applies. Consult factory for details.
2. Mounts to a square pole with knockout for 4-5" OD round pole.
3. Mounts to a horizontal 2-3/8" OD x 5" Long tenon.
4. Must be selected with mounting accesory. See below for options.
5. Not available with other dimming control options (mutually exclusive).
6. Not available with motion sensor (physical restriction).
7. Not available with PCB, TR7.
8. Must specify input voltage.
9. Not available in HVX (277-480V).
10. OPF-RMB accessory recommended for retrofit applications. Provided by default with AR1 and ARA.
11. ZD4i Driver option must be selected with OMS.
12. Tilt recommendation no more than 10° for Site & Area optics. See page 6, Dark Sky compliance.
13. TR7 and TLP receptacle pins 4-7 are capped off when ordered with any of the Dimming controls BL50, DLEA or FAWS.

Shielding Accessory Kits (order separately, field installed)

OPF-M-HIS-2[1]	Internal house side shields for optic types T2M, T3M, and T5N, qty 2
OPF-M-HIS-T4-2[1]	Internal house side shield for optic types T4M and T4W, qty 2
OPF-M-HIS-5M/5W-2[1]	Internal house side shield for optic types T5M and T5W. qty 2

1. Standard internal house shields (HIS) can be used for rotated optics.

Mounting Accessories

OPF-RMB	Retrofit Mounting Bolster Plate for attaching OptiForm to existing poles. Recommended for retrofit applications.

Mountings (boxed and shipped separately)

Must choose Mounting Ordered Separately (MOS) selection for mounting option of luminaire. Useful for attachment of arm to pole prior to luminaire installation. (F) Must specify finish.

Standard Arm	
OPF-AR1-(F)[2,13]	Standard arm mount
OPF-AR1-TR7-(F)[2,13]	Standard arm mount with 7-pin (TR7) receptacle
OPF-ARA-(F)	Adjustable arm mount
OPF-ARA-TR7-(F)	Adjustable arm mount with 7-pin (TR7) receptacle
Wall Mount	
OPF-WAL-(F)	Wall mount bracket
OPF-WAL-TR7-(F)	Wall mount with 7-pin (TR7) receptacle
Mast Arm	
OPF-MAR-(F)[3]	Mast arm mount
OPF-MAR-TR7-(F)[3]	Mast arm mount with 7-pin (TR7) receptacle
OPF-MAA-(F)	Adjustable mast arm
OPF-MAA-TR7-(F)	Adjustable mast arm with 7-pin (TR7) receptacle
Post Top	
OPF-POS-(F)	Post top
OPF-POS-TR7-(F)	Post top with 7-pin (TR7) receptacle
OPF-POA-(F)	Adjustable post top
OPF-POA-TR7-(F)	Adjustable post top with 7-pin (TR7) receptacle
Slip Fitter	
OPF-SF2-(F)	Adjustable 2-3/8" slip fitter
OPF-SF3-(F)	Adjustable 3" slip fitter

Luminaire Accessories (order separately)

Pole Mount Fusing	
FP1	Pole mount single fuse (120V, 277V, or 347V)
FP2	Pole mount double fuse (208V, 240V, or 480V)
Photocell Accessories	
TSC	Twist-lock shorting cap

Pole Top Fitters

(F) Must specify finish

PTF2 - Pole top fitter fits 2 3/8 - 2 1/2" OD x 4" depth tenon	
PTF2-1-90-(F)	1 luminaire at 90°
PTF2-2-90-(F)	2 luminaires at 90°
PTF2-3-90-(F)	3 luminaires at 90°
PTF2-4-90-(F)	4 luminaires at 90°
PTF2-2-180-(F)	2 luminaires at 180°
PTF2-3-120-(F)	3 luminaires at 120°
PTF3 - Pole top fitter fits 3-3 1/2" OD x 6" depth tenon	
PTF3-1-90-(F)	1 luminaire at 90°
PTF3-2-90-(F)	2 luminaires at 90°
PTF3-3-90-(F)	3 luminaires at 90°
PTF3-4-90-(F)	4 luminaires at 90°
PTF3-2-180-(F)	2 luminaires at 180°
PTF3-3-120-(F)	3 luminaires at 120°

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 Temp°C	Calculated L_{70} Hours	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	>100,000 hours	>102,000 hours	96%

OPF-M OptiForm medium

Site & area luminaire

Optical Distributions

Type 2 Medium

Type 3 Medium

Type 4 Medium

Type 4 Wide

Type 5 Narrow

Type 5 Medium

Type 5 Wide

Autofront Row

Back Light Control

LCL

LCR

OPF-M OptiForm medium

Site & area luminaire

OPF-M Area Optic Lumen values

Lumen Package	System Watts	Distribution Type	70 CRI 3000K			70 CRI 4000K			70 CRI 5000K		
			Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
20L	128	T2M	21844	B3-U0-G3	171	22739	B3-U0-G3	178	22692	B3-U0-G3	177
		T3M	21498	B3-U0-G4	168	22379	B3-U0-G4	175	22332	B3-U0-G4	175
		T4M	21217	B3-U0-G4	166	22087	B3-U0-G4	173	22041	B3-U0-G4	172
		T4W	21117	B3-U0-G4	165	21982	B3-U0-G4	172	21936	B3-U0-G4	171
		T5N	22562	B4-U0-G2	176	23487	B4-U0-G2	184	23438	B4-U0-G2	183
		T5M	22480	B5-U0-G3	176	23402	B5-U0-G3	183	23353	B5-U0-G3	182
		T5W	21674	B5-U0-G4	169	22562	B5-U0-G4	176	22515	B5-U0-G4	176
		AFR	22685	B3-U0-G3	177	23615	B3-U0-G3	185	23565	B3-U0-G3	184
		LCL	10835	B1-U0-G2	85	11280	B2-U0-G2	88	11256	B2-U0-G2	88
		LCR	10624	B1-U0-G2	83	11060	B1-U0-G2	86	11037	B1-U0-G2	86
		BLC	15364	B1-U0-G3	120	15993	B1-U0-G3	125	15960	B1-U0-G3	125
24L	147	T2M	24686	B3-U0-G3	168	25698	B3-U0-G3	175	25644	B3-U0-G3	175
		T3M	24294	B3-U0-G4	165	25290	B3-U0-G4	172	25238	B3-U0-G4	172
		T4M	23978	B3-U0-G4	163	24961	B3-U0-G4	170	24909	B3-U0-G4	169
		T4W	23864	B3-U0-G4	162	24842	B3-U0-G5	169	24790	B3-U0-G5	169
		T5N	25497	B4-U0-G2	174	26542	B5-U0-G3	181	26487	B5-U0-G3	180
		T5M	25405	B5-U0-G3	173	26446	B5-U0-G3	180	26391	B5-U0-G3	180
		T5W	24494	B5-U0-G4	167	25498	B5-U0-G4	174	25445	B5-U0-G4	173
		AFR	25636	B3-U0-G3	174	26687	B4-U0-G3	182	26631	B4-U0-G3	181
		LCL	12245	B2-U0-G2	83	12747	B2-U0-G2	87	12720	B2-U0-G2	87
		LCR	12007	B1-U0-G2	82	12499	B1-U0-G2	85	12473	B1-U0-G2	85
		BLC	17362	B1-U0-G3	118	18074	B1-U0-G3	123	18036	B1-U0-G3	123
29L	186	T2M	30077	B4-U0-G4	162	31310	B4-U0-G4	168	31244	B4-U0-G4	168
		T3M	29600	B3-U0-G4	159	30813	B3-U0-G4	166	30749	B3-U0-G4	165
		T4M	29214	B3-U0-G4	157	30411	B3-U0-G4	164	30348	B3-U0-G4	163
		T4W	29075	B3-U0-G5	156	30267	B3-U0-G5	163	30204	B3-U0-G5	162
		T5N	31065	B5-U0-G3	167	32339	B5-U0-G3	174	32271	B5-U0-G3	174
		T5M	30953	B5-U0-G3	166	32221	B5-U0-G3	173	32154	B5-U0-G3	173
		T5W	29843	B5-U0-G5	160	31066	B5-U0-G5	167	31001	B5-U0-G5	167
		AFR	31234	B4-U0-G4	168	32515	B4-U0-G4	175	32447	B4-U0-G4	174
		LCL	14919	B2-U0-G2	80	15531	B2-U0-G2	84	15498	B2-U0-G2	83
		LCR	14629	B1-U0-G2	79	15228	B2-U0-G3	82	15197	B2-U0-G3	82
		BLC	21154	B1-U0-G4	114	22021	B1-U0-G4	118	21975	B1-U0-G4	118
34L	196	T2M	31419	B4-U0-G4	160	32706	B4-U0-G4	167	32638	B4-U0-G4	167
		T3M	30920	B3-U0-G4	158	32188	B3-U0-G4	164	32121	B3-U0-G4	164
		T4M	30517	B3-U0-G4	156	31768	B3-U0-G5	162	31702	B3-U0-G5	162
		T4W	30372	B3-U0-G5	155	31617	B3-U0-G5	161	31551	B3-U0-G5	161
		T5N	32451	B5-U0-G3	166	33781	B5-U0-G3	172	33711	B5-U0-G3	172
		T5M	32333	B5-U0-G3	165	33659	B5-U0-G4	172	33589	B5-U0-G4	171
		T5W	31174	B5-U0-G5	159	32452	B5-U0-G5	166	32384	B5-U0-G5	165
		AFR	32628	B4-U0-G4	167	33965	B4-U0-G4	173	33894	B4-U0-G4	173
		LCL	15585	B2-U0-G2	80	16224	B2-U0-G3	83	16190	B2-U0-G3	83
		LCR	15281	B2-U0-G3	78	15908	B2-U0-G3	81	15875	B2-U0-G3	81
		BLC	22098	B1-U0-G4	113	23003	B1-U0-G4	117	22955	B1-U0-G4	117

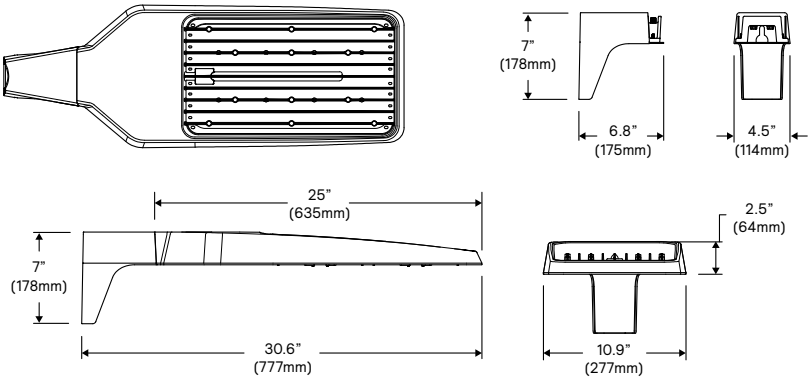
OPF-M OptiForm medium

Site & area luminaire

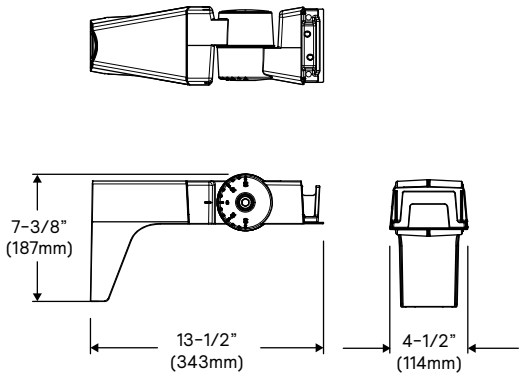
Dimensions

OptiForm Standard Arm

Weight: 13 lb (5.9 kg)
EPA: 0.15 ft² (0.014 m²)

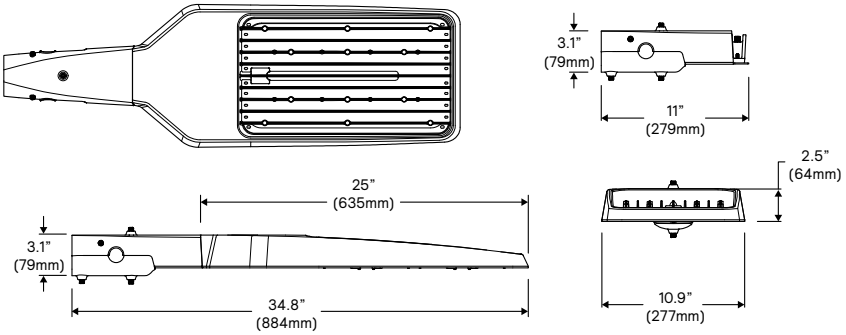


OptiForm Adjustable Arm Mount

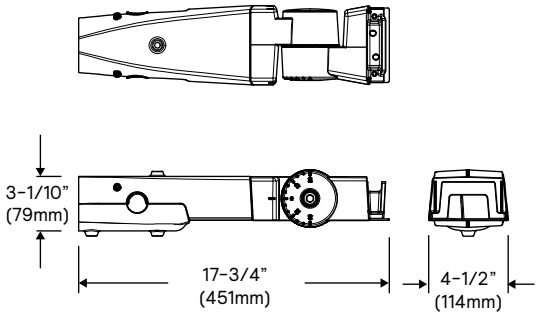


OptiForm Mast Arm

Weight: 14.6 lb (6.6 kg)

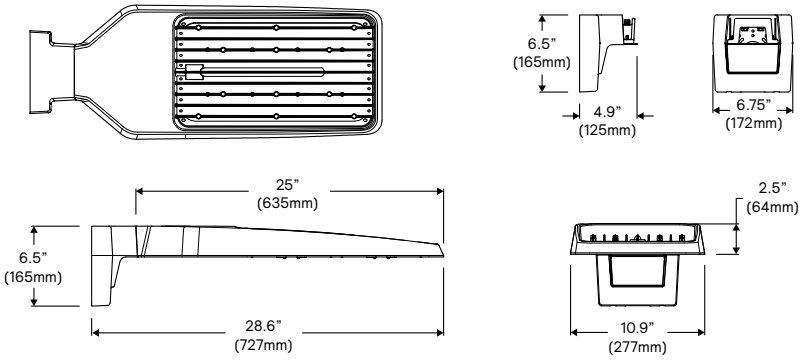


OptiForm Adjustable Mast Arm



OptiForm Wall Mount

Weight: 13.5lb (6.1 kg)



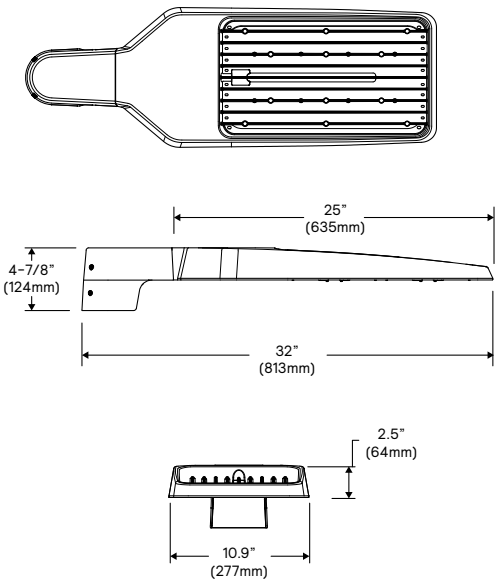
OPF-M OptiForm medium

Site & area luminaire

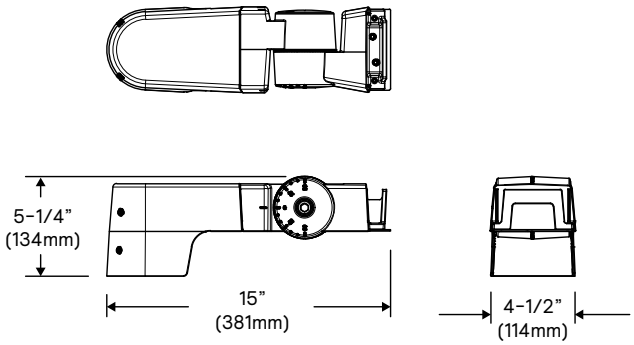
Dimensions

OptiForm Post Top

Weight: 13.5 lb (6.12 kg)

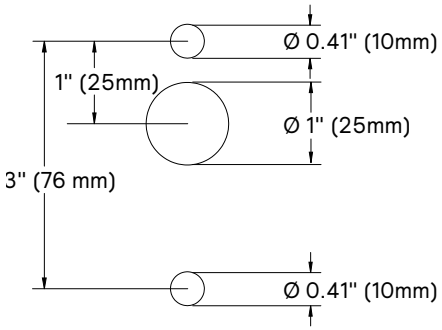


OptiForm Adjustable Post Top

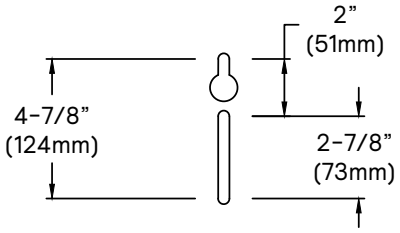


Standard Drill Pattern

Drill Template #5



Standard Arm Mounting Hole Pattern



OPF-M OptiForm medium

Site & area luminaire

Specifications

Housing

Housing and door constructed of low copper die cast Aluminum alloy (A360) with detachable arms for quick mounting. Heatsink is integral to the housing providing passive cooling of LEDs to maintain long LED life. Luminaire housing rated to IP65, LED Modules rated IP66, tested in accordance to Section 9 of IEC 60598-1. OptiForm carries and impact rating of IK08.

Vibration resistance

OptiForm SF2, SF3, POA, ARA, and MAA mounts are tested and rated to standards set forth in ANSI C136.31-2018 & 2023 Level 1 (1.5G) Normal.

Light engine

Sealed high-performance LED light engine with scalable modules

- **Small:** 1 module with 40 LEDs
- **Medium:** 2 modules with 80 LEDs
- **Large:** 4 modules with 160 LEDs
- **X-Large:** 6 modules with 240 LEDs

Color temperature as per ANSI/NEMA bin 2700 Kelvin nominal (2725 ±145K), 3000 Kelvin nominal (3045K +/- 175K) or 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical. Other CCT/CRI also available, consult factory.

LED light engine is designed for durability with IP66 protection in accordance to Section 9 of IEC 60598-1 and RoHS-compliant construction.

Energy saving benefits

System efficacy up to 192 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 2M, 3M, 4M, 4W, 5, 5M, 5W, AFR, LCL, LCR, and BLC distributions available. Internal shield option mounts to LED optics and is available with Type 2M, 3M, and 4M distributions, including a dedicated BLC and L/R Corner optics to provide the best backlight control possible for stringent requirements around property lines. Types 2M, 3M and 4M when specified and used as rotated, are factory set only. 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 square poles with knock-out on the arm to allow for mounting to 4" O.D. round poles. Standard arm casting can accomodate existing bolt spacing from 2" to 4-7/8". It is recommended to use the bolster plate kit OPF RMB when it's not a new installation or if the mounting holes are larger than 0.41" (10mm).

OptiForm features a Mast Arm for Mounting to 2-3/8x4" tenon as well as wall mount casting for exterior building mount applications.

Adjustable Mounting

Recommended area luminaire tilt should be 0° for optimal optical performance and dark sky compliance.

SF2: Adjustable Slip Fitter with 18 AWG wires exiting through the Slip Fitter. Integral splice compartment for field wiring with cULus Wet Location rated access cover with seal around entire perimeter. Slip Fitter made of die cast Aluminum alloy (A380) for high resistance to corrosion, adjustable knuckle has 5 degree aiming increments with integral interlocking teeth and bolt to secure aiming in place, integral cast-in aiming marks. Fits a 2-3/8" tenon (60.3mm) O.D. SF2 mount meets the ANSI C136.31-2018 & 2023 specifications for Level 1 (1.5G) Normal applications.

SF3: Adjustable Slip Fitter with 18 AWG wires exiting through the Slip Fitter. Integral splice compartment for field wiring with cULus Wet Location rated access cover with seal around entire perimeter. Slip Fitter made of die cast Aluminum alloy (A380) for high resistance to corrosion, adjustable knuckle has 5 degree aiming increments with integral interlocking teeth and bolt to secure aiming in place, integral cast-in aiming marks. Fits a 3" tenon (76.2 mm) O.D. SF3 mount meets the ANSI C136.31-2018 & 2023 specifications for Level 1 (1.5G) Normal applications.

ARA: Adjustable Arm Mount comes pre-wired with 18 AWG wires. Adjustable arm mount made of die cast Aluminum alloy (A380) for high resistance to corrosion. Adjustable knuckle has 5 degree aiming increments with integral interlocking teeth and bolt to secure aiming in place. Mounts to square poles with knock-out on the arm to allow for mounting to 4-5" O.D. round poles for small (OPF-S), medium (OPF-M), and large (OPF-L) sizes. X-large (OPF-XL) size only mounts to 4-5" O.D. round poles. Standard arm casting can accommodate existing bolt spacing from 2" to 4-7/8". It is recommended to use the bolster plate kit OFD-RMB (see Accessories) when it's not a new installation or if the mounting holes are larger than 0.41" (10mm).

MAA: Adjustable Mast Arm Mount comes pre-wired with 18 AWG wires. Adjustable mast arm mount made of Aluminum alloy (A356) with high resistance to corrosion. Adjustable knuckle has 5 degree aiming increments with integral interlocking teeth and bolt to secure aiming in place. For mounting to 2-3/8" x 5" tenon. Not intended to be installed on a vertical tenon, but instead a horizontal tenon. MAA mount meets the ANSI C136.31-2018 & 2023 specifications for Level 1 (1.5G) normal applications.

POA: Adjustable Post Top Mount comes pre-wired with 18 AWG wires. Adjustable post top mount made of die cast Aluminum alloy (A380) for high resistance to corrosion. Adjustable knuckle has 5 degree aiming increments with integral interlocking teeth and bolt to secure aiming in place. POA mount meets the ANSI C136.31-2018 & 2023 specifications for Level 1 (1.5G) Normal applications.

Control options

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

ZD4I Zhaga-D4i Certified Fixture (includes Zhaga 4-pin receptacle): With the **ZD4I** option (or **WIAP**), your luminaire comes Zhaga-D4i certified. Provides easy integration with D4i smart sensors and communication nodes, enabling plug-and-play IoT upgrades. Product equipped with D4i driver(s) connected to 4-pin Zhaga Book 18 compliant receptacle. Receptacle has IP66 rated assembly in a compact design that provides a sealed electrical interface and rated UV resistance, mounted on underside of the luminaire, protective dust cap included. When a controller not D4i certified is used, we cannot guarantee full compatibility.

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 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	29%
2	52%
3	61%
4	72%
5	77%

FAWS Position	Percent of Typical Lumen Output
6	80%
7	83%
8	93%
9	98%
10	100%

Note: Typical value accuracy +/- 5%

OPF-M OptiForm medium

Site & area luminaire

Specifications (continued)

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 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.

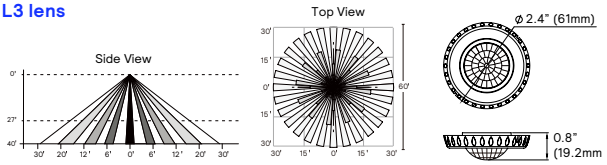
Motion response options

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 (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 (L3): Integral module is available with a sensor lens to accommodate various mounting heights and occupancy detection ranges. Lens #3 is designed for higher mounting heights up to 20' with a 40' diameter coverage area. See charts for approximate detection patterns:

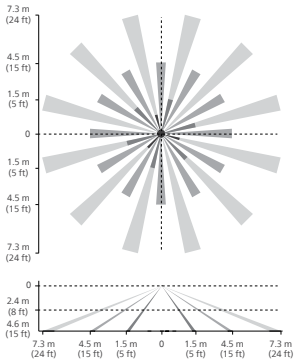
L3 lens



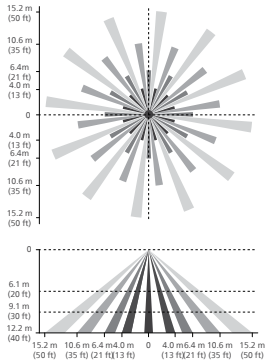
Outdoor Interact (WIAP): Connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the standalone mode when configured without a gateway. When used with a gateway you are able to access additional functionalities such as energy monitoring, scheduling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

NEMA 7-pin Twist-Lock Receptacle (TR7/TLP): Twist-Lock Receptacle with 7 pins enabling dimming and additional functionality (by others) can be used with a 3-pin photocell (TLP) or a shorting cap (TR7 with OPF-TSC Accessory). Dimming Receptacle (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 (TLP), voltage must be specified. When ordering 7-pin twist-lock receptacle (TR7), all 6 pins are wired to respective pins with the D4i Certified DALI/SR driver, 5 pins for 0-10V driver if not ordered with any other dimming option.

Driver: High power factor of 90% min. 120-480V available (restrictions apply). Open/short circuit protection. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I or 2, THD of 20% max.

All drivers are 0-10V dimming to 10% power standard, except when using D4i drivers, which uses DALI protocol (options CS50/CM50/ CS30/CM30,D4iD,ZD4i 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.

OPF-M OptiForm medium

Site & area luminaire

Specifications (continued)

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). CCTs 3000K and warmer are Dark Sky Compliant.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DG), and medium gray (MG). The finish achieves a minimum scribe rating of 6 per ASTM D1654 after a minimum of 3000 hours salt spray in accordance with testing performed per ASTM B117 standard. Consult Factory for specs on optional, custom colors, and marine grade paint.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away. For more details visit: signify.com/servicetag

Warranty

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

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