



Gardco OptiForm Flood is a low-profile, lightweight luminaire designed to deliver aesthetics, flexibility, and savings for campuses, retail and hospitality, and public spaces. With a variety of adjustable mountings and advanced optics, it provides efficient, uniform illumination over a tilt range of 0–80 degrees. Engineered with integral controls options and Service Tag, OptiForm reduces energy and maintenance costs. Whether you need to highlight key areas or cover expansive zones, choose OptiForm for optimal performance.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

Example: OFD-L-34L-740-A33-SF2-UNV-FAWS-MG

Luminaire	Configuration (nom. lumens)	Color Temperature	Distribution	Mounting	Voltage
OFD-L					
OFD-L OptiForm Flood Large	34L 34,000 lm	827¹ 80CRI 2700K	3x3 NEMA 3x3 (Medium Spot)	SF2 (2–3/8") Slip Fitter Mount	120 120V
	40L 40,000 lm	830 80CRI 3000K	4x4 NEMA 4x4 (Narrow Flood)	SF3 (3") Slip Fitter Mount	208 208V
	46L 46,000 lm	840 80CRI 4000K	5x5 NEMA 5x5 (Medium Flood)	TRN Trunnion Mount (6' or 1.83m cord exits luminaire)	240 240V
	52L 52,000 lm	727¹ 70CRI 2700K	6x6 NEMA 6x6 (Wide Flood)	POA Single Post Top - Adjustable	277 277V
	60L 60,000 lm	730 70CRI 3000K	A33 NEMA 6x5 (Asymmetric 33° Tilt Flood)	ARA Arm Mount - Adjustable	347 347V
	70L 70,000 lm	740 70CRI 4000K	AIR NEMA 7x5 (Airport Apron Flood)	MAA Mast Arm - Adjustable	480 480V
	80L 80,000 lm	750 70CRI 5000K			UNV 120–277V
					HVX 277–480V

Dimming Controls (only one may be selected)	Lighting Controls ² (only one may be selected)	Options	Finish
<p>The following options include 0–10V Driver(s)</p> <p>None 0–10V dimming driver (standard) DLEA Dimming leads externally accessible (controls by others) FAWS⁶ Field adjustable wattage selector</p>	<p>None - PCB⁴ Photocontrol Button TR7³ NEMA 7-pin Twist Lock Receptacle TLP³ NEMA 7-pin Twist Lock Receptacle with 3-pin photocell</p>	<p>Surge protection</p> <p>None Surge protector 10kV/10kA (standard) SP2 Surge protector 20kV/10kA (option)</p> <p>Fusing^{5,6}</p> <p>FS1 Single Fuse (120V, 277V, or 347V) FS2 Double Fuse (208V, 240V, 480V)</p>	<p>Standard textured</p> <p>BK Black WH White BZ Bronze DG Dark Gray MG Medium Gray</p> <p>Customer specified¹</p> <p>OC Specify optional color or RAL (consult factory) SC Special color (must supply color chip, requires factory quote) MP Marine grade paint (must specify finish color from list above; Example: BK-MP)</p>
<p>The following options include D4i Certified DALI/SR Driver(s)</p> <p>D4ID D4i Certified DALI/SR Driver ZD4I³ Zhaga-D4i Certified Fixture (includes Zhaga 4-pin receptacle; sensor supplied by others) RCRK^{5,7} Ready to Connect to Remote Kit (see RCRK-Compatible Accessories for RK-TR7, RK-WIAPLB, and RK-WIAPHB)</p>			

1. Must contact factory prior to ordering.
2. Not compatible with SF2, SF3, or TRN mounting options.
3. Luminaire tilt restriction of 45°
4. PCB only available with 120, 208, 240, or 277.
5. Must specify input voltage. UNV and HVX not valid.
6. FAWS is not available with fusing options FS1 or FS2.
7. Must install with desired Remote Kit (see **RCRK-Compatible Accessories**).

OFD-L OptiForm large Floodlight

Mounting Accessories (order separately)

OFD-RMB Retrofit Mounting Bolster Plate for attaching OptiForm to existing poles. Recommended for retrofit applications. Only compatible with Arm Mount - Adjustable (ARA).

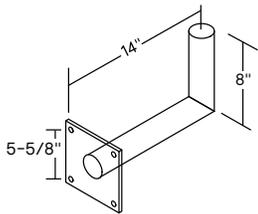
Mounting Brackets

For wall and pole brackets, bullhorns, etc. see <https://www.signify.com/en-us/products/outdoor-luminaires/poles-brackets/site-and-area-brackets/bullhorn-brackets#downloads> for details.

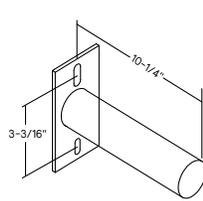
Exception: All UPS Upsweep - contact factory to confirm compatibility. Bracket examples shown below.

Single Bracket Examples

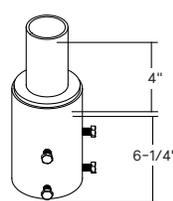
SBRKT-RAH-L1-14/8-WA



SBRKT-STN-L1-10

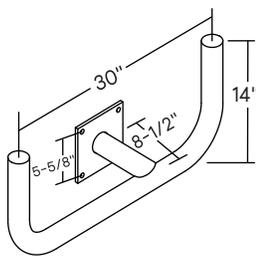


SBRKT-ETR-L1-4

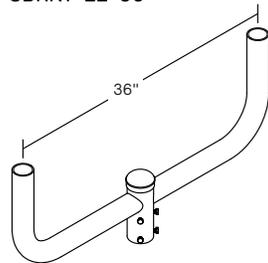


Twin Linear Bracket Examples

SBRKT-RA-L2-30-WA

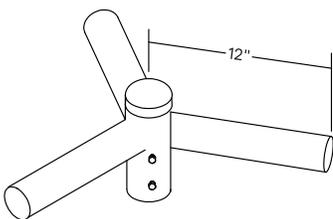


SBRKT-L2-36



Triple Spider Bracket Example

SBRKT-S3-12



Luminaire Accessories (ordered separately, field installed)

One shield kit per luminaire

OFD-L-GSH³ Glare Shield (For use with 3x3 and 4x4 optics)

OFD-L-A33-FSS³ Front Side Shield (For use with A33 optic)

OFD-L-AIR-FSS³ Front Side Shield (For use with AIR optic)

OFD-TSC Twist-Lock Shorting Cap (ordered separately for use with TR7 option)

RCRK-Compatible Accessories¹ (Dark Gray finish)

OFD-RK-TR7 Remote Kit NEMA 7-pin Twist Lock Receptacle (sensor supplied by others)

OFD-RK-WIAPLB² Remote Kit 4-pin Zhaga Socket with Wireless Interact Low (7'-15' mounting height) sensor, Black color sensor housing

OFD-RK-WIAPHB² Remote Kit 4-pin Zhaga Socket with Wireless Interact High (15'-40' mounting height) sensor, Black color sensor housing

1. One RCRK-Compatible Accessory can control up to 4 luminaires. Exceptions may apply depending on the luminaire configuration and sensor's rating. Consult installation documents or technical support for more details.
2. WIAPLW or WIAPHW (Wireless Interact Low or High sensor, White sensor housing) available - contact factory for details.
3. Not available with 80L configurations due to thermal limitations.

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 Temp °C	L70 per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	>80,000 hours	77.4%

OFD-L OptiForm large

Floodlight

Optical Distributions



15' or 4.6m mounting height, 30° tilt

3x3 NEMA 3x3 (Medium Spot)

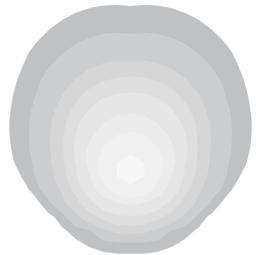
- **Typical mounting height:** 10'–35' (3.0–10.7 m)
- **Suggested setback:** 15' (4.6 m)
- **Suggested tilt:** Up to 45° downward
- **Recommended tilt:** ~ 30°
- **Applications:** Flags (especially large flags needing reach), tighter accenting, scalloping, projecting up tall columns or slender features, statues, vertical architectural elements, tall trees.
- **Rationale:** This optic is concentrated, suitable where you want sharp light long distances with minimal spread, and to sculpt light/shadow.



30' or 9.1m mounting height, 25° tilt

4x4 NEMA 4x4 (Narrow Flood)

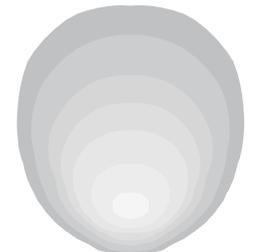
- **Typical mounting height:** 20' to 40' (6.1–12.2 m)
- **Suggested setback:** ~ 15' to 25' (4.6–7.6 m) or about equal to mounting height
- **Suggested tilt:** Up to 45° downward
- **Recommended tilt:** ~ 25°
- **Applications:** Façade accent lighting, building edges, vertical surfaces (walls, columns), narrow billboards/signage, architectural reveals.
- **Rationale:** This optic gives modest spread while keeping light directed to the target (minimizing spill).



30' or 9.1m mounting height, 25° tilt

5x5 NEMA 5x5 (Medium Flood)

- **Typical mounting height:** 25' to 45' (7.6–13.7 m)
- **Suggested setback:** ~ 15' to 30' (4.6–9.1 m)
- **Suggested tilt:** Up to 45° downward
- **Recommended tilt:** ~ 25°
- **Applications:** General flood of moderate surfaces, mid-scale building façades, signage, mid-size plazas, terrain/landscape illumination, wall washing.
- **Rationale:** This optic is a good compromise between throw and spread; common general-purpose flood.



30' or 9.1m mounting height, 30° tilt

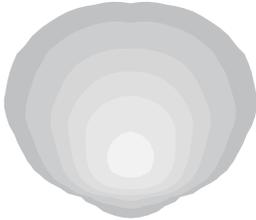
6x6 NEMA 6x6 (Wide Flood)

- **Typical mounting height:** 25' to 45' (7.6–13.7 m)
- **Suggested setback:** ~ 10' to 30' (3.0–9.1 m)
- **Suggested tilt:** Up to 45° downward
- **Recommended tilt:** ~ 30°
- **Applications:** Broad façade flooding, larger walls, building perimeters, landscape washes, massing features, general site flood from poles.
- **Rationale:** Wider beam spread gives more coverage laterally; ideal where you want coverage rather than projection.

OFD-L OptiForm large

Floodlight

Optical Distributions (continued)



30' or 9.1m mounting height, 33° tilt

A33 NEMA 6x5 (Asymmetric 33° Tilt Flood)

- **Typical mounting height:** 25' to 45' (7.6–13.7 m)
- **Suggested setback:** ~ 5'- 30' (1.5–9.1 m)
- **Suggested tilt:** ~ 33° (by definition / design)
- **Recommended tilt:** 33°
- **Applications:** Perimeter pole floods, area lighting from edges, parking lots, wall washing from distance, large façades, large trees / landscape canopies.
- **Rationale:** The asymmetry allows you to flood forward into the area while limiting back spill; ideal where luminaires are on boundary. Mimics a Type 4 area distribution.



50' or 15.2m mounting height, 20° tilt

AIR NEMA 7x5 (Airport Apron Flood)

- **Typical mounting height:** 50' to 100' (15–30 m)
- **Suggested setback:** ~ 35'- 120' (15–36 m) depending on gate geometry and aircraft type
- **Suggested tilt:** Up to 35° downward (main beam aimed to intersect ground plane 150'–300' out)
- **Recommended tilt:** ~ 20°
- **Applications:** Airport apron.
- **Rationale:** This optic provides an extremely wide horizontal pattern that can light large areas smoothly and uniformly to meet stringent airport apron lighting requirements. Limits stray upright and helps minimize glare for pilots approaching the gates while providing good visibility for maintenance crews. Optional shielding further enhances these effects. (IES Reference: RP-37 Outdoor Lighting for Airport Environments)

OFD-L OptiForm large

Floodlight

OFD-L Floodlight Lumen Values

Configuration	CRI	Color Temp. (K)	Average System Watts (W)	3x3		4x4		5x5		6x6		A33		AIR	
				Lumen Output	Efficacy (LPW)										
OFD-L-34L-730	70	3000	191	34342	180	33626	176	35429	186	35205	184	35034	183	33904	178
OFD-L-40L-730	70	3000	235	40311	172	39470	168	41586	177	41323	176	41123	175	39796	169
OFD-L-46L-730	70	3000	269	46131	172	45169	168	47590	177	47289	176	47060	175	45542	169
OFD-L-52L-730	70	3000	308	51893	169	50811	165	53534	174	53196	173	52938	172	51230	166
OFD-L-60L-730	70	3000	388	62773	162	61464	158	64758	167	64349	166	64037	165	61971	160
OFD-L-70L-730	70	3000	457	72598	159	71084	156	74894	164	74420	163	74060	162	71671	157
OFD-L-80L-730	70	3000	532	81260	153	79566	150	83830	158	83300	157	82897	156	80223	151
OFD-L-34L-740	70	4000	191	35748	187	35003	183	36879	193	36645	192	36468	191	35292	185
OFD-L-40L-740	70	4000	235	41961	179	41086	175	43288	184	43014	183	42806	182	41425	176
OFD-L-46L-740	70	4000	269	48019	179	47017	175	49538	184	49224	183	48986	182	47406	176
OFD-L-52L-740	70	4000	308	54017	175	52890	172	55725	181	55373	180	55105	179	53327	173
OFD-L-60L-740	70	4000	388	65342	168	63979	165	67409	174	66982	173	66658	172	64508	166
OFD-L-70L-740	70	4000	457	75569	165	73993	162	77959	171	77466	170	77091	169	74604	163
OFD-L-80L-740	70	4000	532	84586	159	82822	156	87262	164	86710	163	86290	162	83506	157
OFD-L-34L-750	70	5000	191	35678	187	34934	183	36806	193	36574	192	36397	191	35222	184
OFD-L-40L-750	70	5000	235	41879	178	41005	175	43203	184	42930	183	42722	182	41344	176
OFD-L-46L-750	70	5000	269	47925	178	46925	174	49440	184	49128	183	48890	182	47313	176
OFD-L-52L-750	70	5000	308	53911	175	52787	171	55616	181	55264	179	54997	179	53223	173
OFD-L-60L-750	70	5000	388	65214	168	63854	165	67277	173	66851	172	66527	172	64381	166
OFD-L-70L-750	70	5000	457	75421	165	73848	162	77807	170	77314	169	76940	168	74458	163
OFD-L-80L-750	70	5000	532	84420	159	82660	155	87091	164	86540	163	86121	162	83343	157
OFD-L-34L-830	80	3000	191	31256	164	30604	160	32244	169	32040	168	31885	167	30857	162
OFD-L-40L-830	80	3000	235	36688	156	35923	153	37848	161	37609	160	37427	159	36219	154
OFD-L-46L-830	80	3000	269	41984	156	41109	153	43312	161	43038	160	42830	159	41448	154
OFD-L-52L-830	80	3000	308	47229	153	46244	150	48722	158	48414	157	48180	156	46626	151
OFD-L-60L-830	80	3000	388	57130	147	55939	144	58937	152	58565	151	58281	150	56401	145
OFD-L-70L-830	80	3000	457	66072	145	64695	142	68162	149	67731	148	67403	148	65229	143
OFD-L-80L-830	80	3000	532	73956	139	72414	136	76295	143	75813	143	75446	142	73012	137
OFD-L-34L-840	80	4000	191	32692	171	32010	168	33726	177	33513	176	33351	175	32275	169
OFD-L-40L-840	80	4000	235	38374	163	37574	160	39588	169	39337	167	39147	167	37884	161
OFD-L-46L-840	80	4000	269	43914	163	42998	160	45303	168	45016	167	44798	167	43353	161
OFD-L-52L-840	80	4000	308	49399	160	48369	157	50962	166	50639	164	50394	164	48768	158
OFD-L-60L-840	80	4000	388	59756	154	58510	151	61646	159	61256	158	60960	157	58993	152
OFD-L-70L-840	80	4000	457	69109	151	67668	148	71295	156	70844	155	70501	154	68227	149
OFD-L-80L-840	80	4000	532	77355	145	75742	142	79802	150	79297	149	78913	148	76368	144

OFD-L OptiForm large Floodlight

Dimensions

SF2 (2-3/8") Slip Fitter Mount

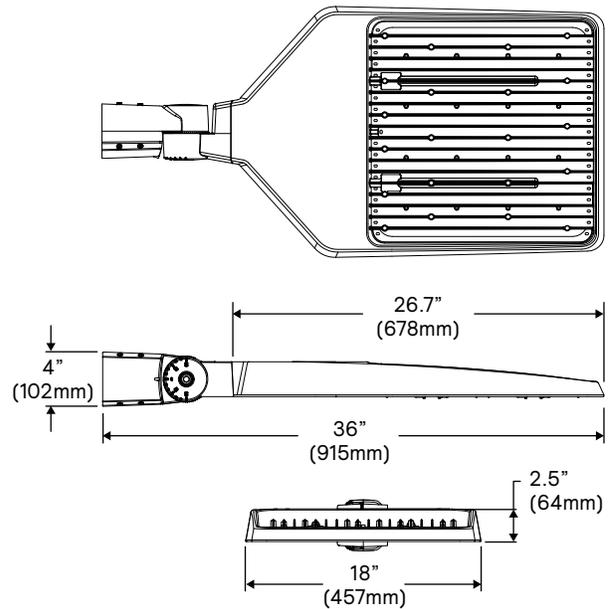
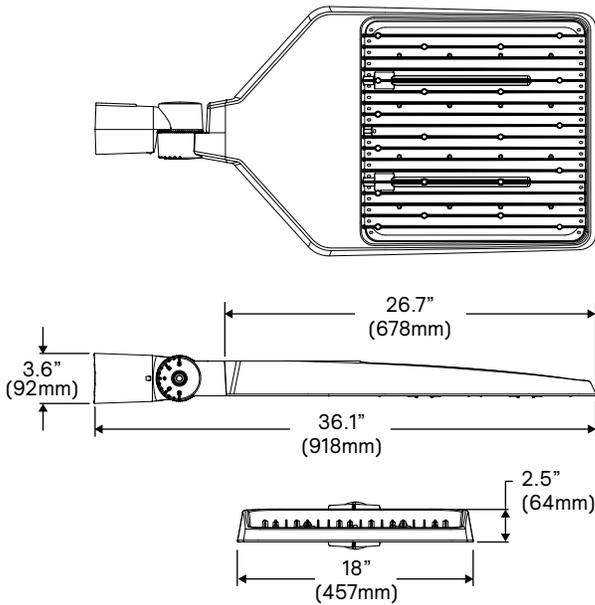
Weight: 26lbs (11.8kg)

EPA		
0°	30°	80°
0.48 ft ² 0.15 m ²	1.47 ft ² 0.45 m ²	3.78 ft ² 1.15 m ²

SF3 (3") Slip Fitter Mount

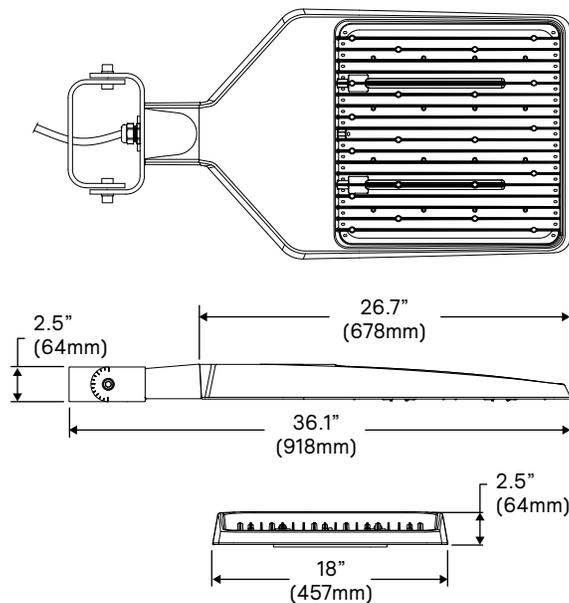
Weight: 26lbs (11.8kg)

EPA		
0°	30°	80°
0.59 ft ² 0.18 m ²	1.47 ft ² 0.45 m ²	3.77 ft ² 1.15 m ²



TRN Trunnion Mount

Weight: 28.2lbs (12.8kg)



OFD-L OptiForm large Floodlight

Dimensions (continued)

POA Single Post Top - Adjustable

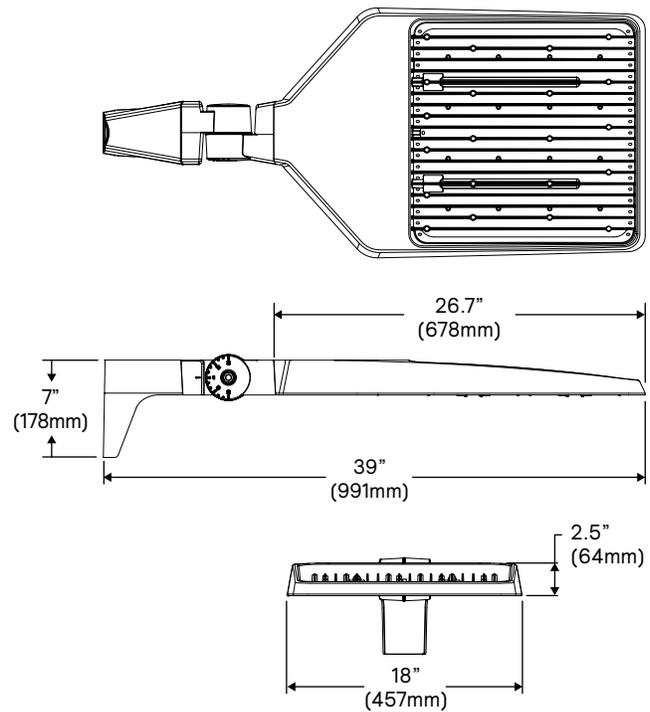
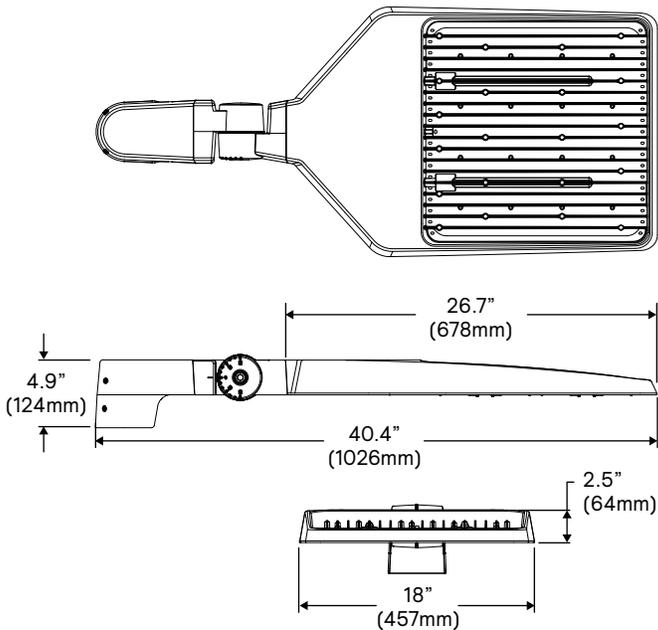
Weight: 29.1lbs (13.2kg)

EPA		
0°	30°	80°
0.65 ft ²	1.55 ft ²	4.01 ft ²
0.20 m ²	0.47 m ²	1.22 m ²

ARA Arm Mount - Adjustable

Weight: 29lbs (13.2kg)

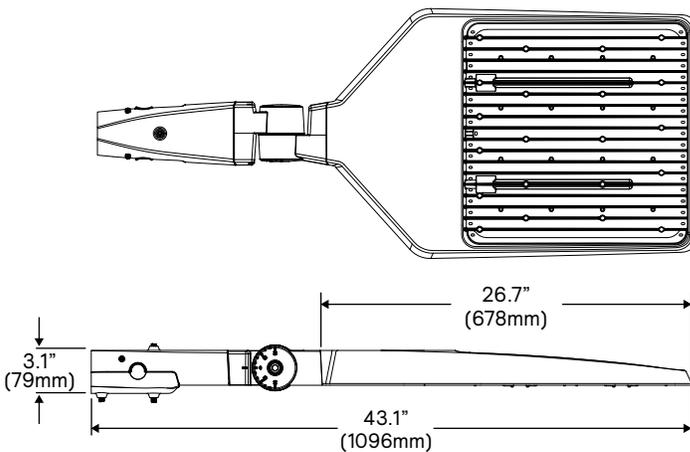
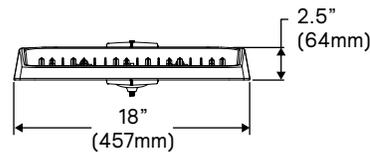
EPA		
0°	30°	80°
0.59 ft ²	1.54 ft ²	4.06 ft ²
0.18 m ²	0.47 m ²	1.24 m ²



MAA Mast Arm - Adjustable

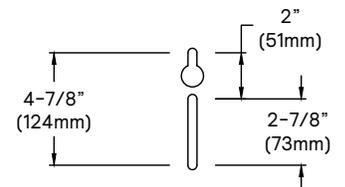
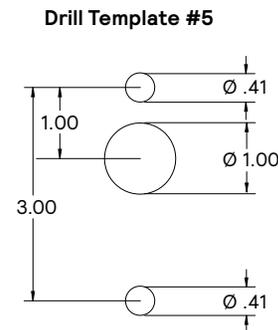
Weight: 29.5lbs (13.4kg)

EPA		
0°	30°	80°
0.62 ft ²	1.47 ft ²	3.78 ft ²
0.19 m ²	0.45 m ²	1.15 m ²



Standard Drill Pattern for Arm Mount - Adjustable (ARA)

Standard Arm Mounting Hole Pattern



OFD-L OptiForm large Floodlight

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 IP66, LED Modules rated IP66 tested in accordance to Section 9 of IEC 60598-1. OptiForm carries an 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 applications. **TRN** mount passes the UL 1598 Load Test.

Light engine

Sealed high-performance LED light engine with scalable modules.

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

Delivers reliable output in multiple color temperatures: 70 CRI with 2700K or 3000K or 4000K or 5000K, and 80 CRI with 2700K or 3000K or 4000K. Contact factory prior to ordering 70CRI or 80CRI with 2700K. Tolerance: 2700K \pm 145K; 3000K \pm 175K; 4000K \pm 275K; 5000K \pm 283K (per ANSI/NEMA binning).

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

Optical systems

OptiForm Flood large optical distributions include NEMA **3x3**, **4x4**, **5x5**, **6x6**, 6x5 (**A33** Asymmetric 33° Tilt), and 7x6 (**AIR** Airport Apron). Optional internal shields mount to LED optics and are available. **OFD-L-GSH** (see Accessories) is designed for NEMA 3x3 and 4x4 optical distributions. **OFD-L-A33-FSS** (see Accessories) is designed for use with the **A33** optical distribution. **OFD-L-AIR-FSS** (see Accessories) is designed for use with the **AIR** optical distribution. Flood optics shall be performance tested per LM-79 and TM-15 (IESNA) certifying their photometric performance.

Mounting

The luminaire may be tilted only between 0° (directly downward) and 80° degrees above nadir with all the mounting options.

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 (60.3mm) O.D. **SF3** mount meets the ANSI C136.31-2018 & 2023 specifications for Level 1 (1.5G) Normal applications.

TRN: Adjustable Trunnion with 6' (1.83m) of 16 AWG SEOOW cord exiting through IP66 rated cord seal. Customer-specified length or different cord type available - contact factory. Trunnion made of high strength aluminum alloy, painted for high resistance to corrosion, fully adjustable (no minimum aiming increments) with bolts to secure aiming in place, integral aiming marks every 15 degrees. **TRN** mount passes the UL 1598 Load Test.

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.

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 (**OFD-S**), medium (**OFD-M**), and large (**OFD-L**) sizes. X-large (**OFD-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). **OFD-RMB** is ordered separately for small (**OFD-S**), medium (**OFD-M**), and large (**OFD-L**), but comes as standard for x-large (**OFD-XL**) and does not need to be ordered separately. **ARA** mount meets the ANSI C136.31-2018 & 2023 specifications for Level 1 (1.5G) Normal applications.

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.

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 used 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.

See next page for more control options.

OFD-L OptiForm large Floodlight

Specifications (continued)

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.

34L Configuration

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	29%	6	80%
2	52%	7	83%
3	61%	8	93%
4	72%	9	98%
5	77%	10	100%

40L, 46L, 52L, 60L Configurations

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	12%	6	59%
2	24%	7	68%
3	32%	8	76%
4	44%	9	83%
5	51%	10	100%

70L, 80L Configurations

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	15%	6	59%
2	29%	7	64%
3	36%	8	70%
4	47%	9	74%
5	52%	10	100%

Note: Typical value accuracy +/- 5%

Control options

RCRK Ready to Connect to Remote Kit enables controllability for OptiForm Flood without restriction to luminaire mounting types or tilt angles. The remote kit sidecar can be pole-mounted or wall-mounted no greater than 1.5m (4.92ft) away from the luminaire that it controls and is available in a Dark Gray finish. RCRK-Compatible Accessories (see Accessories) **RK-WIAPLB**, **RK-WIAPHB**, or **RK-TR7** must be ordered when the luminaire option **RCRK** is selected. **RK-WIAPLB** and **RK-WIAPHB** use the Philips LCA7305 and include a Wireless Interact Parking sensor (Philips LCN4x10) connected to a 4-pin Zhaga Book 18 compliant receptacle. **RK-TR7** uses the Philips LCA7307 and is equipped with a NEMA 7-pin Twist-Lock Receptacle. Contact factory to inquire about the integration of other nodes such as the OMS Outdoor Multi Sensor (Philips LRI8135) or LLC Interact City cellular technology connector node. One RCRK-Compatible Accessory can control up to 4 luminaires. Exceptions may apply depending on the luminaire configuration and sensor's rating. Consult installation documents or technical support for more details.

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 **OFD-TSC** Accessory). Dimming Receptacle (7-pin) in accordance to ANSI C136.41. Can be used with third-party control system. Receptacle located on mounting options. Not available with **SF2**, **SF3**, and **TRN**. 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. Luminaire tilt restriction of 45 degrees with either **TR7** or **TLP** options.

Driver: Driver efficiency (>90% standard). THD is <20%. 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 D4I, ZD4I, and TR7). Drivers are RoHS and FCC Title 47 CFR Part 15 compliant.

Photocontrol Button (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). Contact factory for DLC certification for configurations that are not currently listed on the Qualified Products list. We can provide DLC certification for select configurations on demand.

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 textured 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 the 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.