

### Description

IP66. Class I. IK07. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. One cable gland, second gland for through wiring on request. CAD-optimized optics for superior illumination and glare control. Integral driver, thermally separated. OLC® One LED Concept. Factory-installed LED circuit board. 0-10V Dimming on request.

A maximum of one internal optical accessory.

Optional 2200K version available, except [VNS] version, to be specified at time of order.

Specify product with 7 Digit product code - Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately.

Example: XXX-XXXX-9004 (Black)  
+ XXX-XXXX (Accessory 1)

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**Floodlights****Specifications****Material description**

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Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colors	 RAL9004 Black  RAL9007 Grey Metallic  RAL9016 White  RAL8019 Dark Bronze
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP66
Impact resistance	IK07
Corrosion resistance	5CE superior corrosion protection system
Windage	0.684

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**Electrical description**

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Power supply	Integral [ECG] electronic driver 120V-277V. 0-10V dimmable, to be specified with order.
Driver / Ballast	Integral EC electronic converter in thermally-separated compartment
Power factor	> 0.9
Surge protection	Integral 10kV Surge Protector

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**Additional information**

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Lifetime	Ta=25°/40° L90B10 > 90000h
Listings	ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations. Meets ANSI C136.31 - 3G Vibration Rating for Bridge and Overpass Applications.

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# FLC230 LED

## Floodlights



### Options

#### Light distribution



symmetric, medium beam [M]



symmetric, narrow beam [N]



symmetric, very narrow beam [VN]



symmetric, wide beam [W]



linear spread, very narrow beam [VN]



wallwash



symmetric, very narrow beam, 'sharp cut-off' [VNS]

#### Color temperature



3000 K



4000 K



2700 K



4000K

#### Nominal Watt

0 W

36 W

48 W

72 W

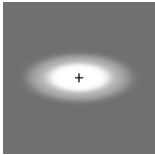

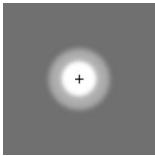
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### Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (lb)
linear spread, very narrow beam [VN] 	139-1834+139-1849	LED-12/24W / 700 mA - 3000 K	2973.9	27 W	80	16.76
	139-1835+139-1849	LED-12/24W / 700 mA - 4000 K	3179	27 W	80	16.76
	139-1840+139-1849	LED-12/36W / 1050 mA - 3000 K	4409.6	41 W	80	16.76
	139-1841+139-1849	LED-12/36W / 1050 mA - 4000 K	4614.7	41 W	80	16.76
	139-1846+139-1849	LED-12/52W / 1400 mA - 3000 K	5425.3	55 W	80	16.76
	139-1847+139-1849	LED-12/52W / 1400 mA - 4000 K	5671.9	55 W	80	16.76
	139-2077+139-1849	LED-12/36W / 1050 mA - 2700 K	4204.5	41 W	80	16.76
	139-2191+139-1849	LED-12/52W / 1400 mA - 2700 K	5129.4	55 W	80	16.76
	139-2263+139-1849	LED-12/24W / 700 mA - 2700 K	4971.9	54 W	80	16.76
symmetric, medium beam [M] 	139-1830	LED-12/24W / 700 mA - 3000 K	3152.3	27 W	80	16.80
	139-1831	LED-12/24W / 700 mA - 4000 K	3369.7	27 W	80	16.80
	139-1836	LED-12/36W / 1050 mA - 3000 K	4674.1	41 W	80	16.80
	139-1837	LED-12/36W / 1050 mA - 4000 K	4891.5	41 W	80	16.80
	139-1842	LED-12/52W / 1400 mA - 3000 K	5748.8	55 W	80	16.80
	139-1843	LED-12/52W / 1400 mA - 4000 K	6010.1	55 W	80	16.80
	139-2108	LED-12/52W / 1400 mA - 2700 K	5435.2	55 W	80	16.80
	139-2151	LED-12/24W / 700 mA - 2700 K	2934.9	27 W	80	16.80
	139-2240	LED-12/36W / 1050 mA - 2700 K	4456.7	41 W	80	16.80
	symmetric, narrow beam [N] 	139-1832	LED-12/24W / 700 mA - 3000 K	2965.5	27 W	80
139-1833		LED-12/24W / 700 mA - 4000 K	3170	27 W	80	16.80
139-1838		LED-12/36W / 1050 mA - 3000 K	4397.1	41 W	80	16.80
139-1839		LED-12/36W / 1050 mA - 4000 K	4601.7	41 W	80	16.80
139-1844		LED-12/52W / 1400 mA - 3000 K	5412.2	55 W	80	16.80
139-1845		LED-12/52W / 1400 mA - 4000 K	5658.2	55 W	80	16.80
139-2079		LED-12/36W / 1050 mA - 2700 K	4192.6	41 W	80	16.80
139-2079+139-1849		LED-12/36W / 1050 mA - 2700 K	4192.6	41 W	80	16.80
139-2214		LED-12/52W / 1400 mA - 2700 K	5117	55 W	80	16.80
139-2242		LED-12/24W / 700 mA - 2700 K	2761	27 W	80	16.80
symmetric, very narrow beam [VN]		139-1834	LED-12/24W / 700 mA - 3000 K	3120.5	27 W	80
	139-1835	LED-12/24W / 700 mA - 4000 K	3335.7	27 W	80	16.80
	139-1840	LED-12/36W / 1050 mA - 3000 K	4627	41 W	80	16.80
	139-1841	LED-12/36W / 1050 mA - 4000 K	4842.2	41 W	80	16.80

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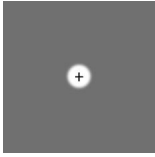
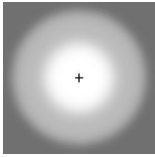

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# FLC230 LED

## Floodlights

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (lb)	
	139-1846	LED-12/52W / 1400 mA - 3000 K	5800	55 W	80	16.80	
	139-1847	LED-12/52W / 1400 mA - 4000 K	6063.7	55 W	80	16.80	
	139-2077	LED-12/36W / 1050 mA - 2700 K	4411.8	41 W	80	16.80	
	139-2191	LED-12/52W / 1400 mA - 2700 K	5483.7	55 W	80	16.80	
	139-2263	LED-12/24W / 700 mA - 2700 K	2905.3	27 W	80	16.80	
symmetric, very narrow beam, 'sharp cut-off' [VNS] 	139-3125	LED-24/36W / 500 mA - 2700K	3249.5	39 W	80	7.60	
	139-3126	LED-24/36W / 500 mA - 3000 K	3473.6	39 W	80	7.60	
	139-3127	LED-24/36W / 500 mA - 4000 K	3473.6	39 W	80	7.60	
	139-3129	LED-24/48W / 700 mA - 2700 K	4257.9	54 W	80	7.60	
	139-3130	LED-24/48W / 700 mA - 3000 K	4594.1	54 W	80	7.60	
	139-3131	LED-24/48W / 700 mA - 4000 K	4594.1	54 W	80	7.60	
	139-3133	LED-24/72W / 1050 mA - 2700 K	4257.9	81 W	80	7.60	
	139-3134	LED-24/72W / 1050 mA - 3000 K	4594.1	81 W	80	7.60	
	139-3135	LED-24/72W / 1050 mA - 4000 K	4594.1	81 W	80	7.60	
symmetric, wide beam [W] 	139-1907	LED-12/24W / 700 mA - 3000 K	2990.7	27 W	80	16.80	
	139-1908	LED-12/24W / 700 mA - 4000 K	3197	27 W	80	16.80	
	139-1909	LED-12/36W / 1050 mA - 3000 K	4434.5	41 W	80	16.80	
	139-1910	LED-12/36W / 1050 mA - 4000 K	4640.7	41 W	80	16.80	
	139-1911	LED-12/52W / 1400 mA - 3000 K	5480.4	55 W	80	16.80	
	139-1912	LED-12/52W / 1400 mA - 4000 K	5729.5	55 W	80	16.80	
	139-2226	LED-12/52W / 1400 mA - 2700 K	5181.4	55 W	80	16.80	
	139-2239	LED-12/36W / 1050 mA - 2700 K	4228.2	41 W	80	16.80	
	139-2241	LED-12/24W / 700 mA - 2700 K	2784.4	27 W	80	16.80	
	wallwash 	139-1830+139-1848	LED-12/24W / 700 mA - 3000 K	2617.9	27 W	80	16.76
		139-1831+139-1848	LED-12/24W / 700 mA - 4000 K	2798.5	27 W	80	16.76
139-1836+139-1848		LED-12/36W / 1050 mA - 3000 K	3881.7	41 W	80	16.76	
139-1837+139-1848		LED-12/36W / 1050 mA - 4000 K	4062.3	41 W	80	16.76	
139-1842+139-1848		LED-12/52W / 1400 mA - 3000 K	4774.1	55 W	80	16.76	
139-1843+139-1848		LED-12/52W / 1400 mA - 4000 K	4991.1	55 W	80	16.76	
139-2108+139-1848		LED-12/52W / 1400 mA - 2700 K	4513.7	55 W	80	16.76	
139-2151+139-1848		LED-12/24W / 700 mA - 2700 K	2437.4	27 W	80	16.76	
139-2240+139-1848		LED-12/36W / 1050 mA - 2700 K	3701.2	41 W	80	16.76	

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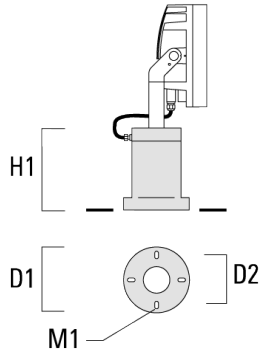
# FLC230 LED

## Floodlights

### Mounting Accessories

#### Short post EM

Description	Part ID	D1	D2	H1	M1	Weight (lb)
EM1-M16 AL - Single Cable Entry	270-9038	6.3	5.12	7.87"	0.35"	4.85 lbs



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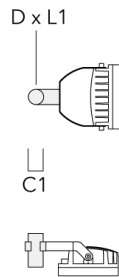
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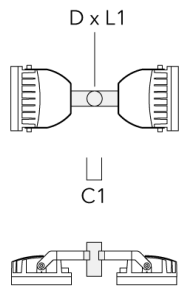
**Floodlights**

**Floodlight mounting bracket TA**

Description	Part ID	A	C1	D × L1	L	Weight (lb)	D × S
TA1 Mounting bracket, single (Ø 4.25 x 8)	147-0096		5.12	4.25 x 8	4.25	16.53	108 x 200

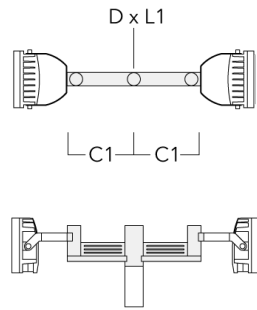


TA2 Mounting bracket, double (Ø 4.25 x 8)	147-0097		5.12	4.25 x 8	4.25	16.53	108 x 200
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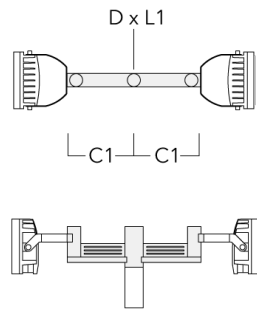


**Floodlights**

Description	Part ID	A	C1	D x L1	L	Weight (lb)	D x S
TA2-L Mounting bracket, double (Ø 4.25 x 8)	147-0148	±90°	16.54	4.25 x 8	4.25	44.53	108 x 200



TA2-L Mounting bracket, double (Ø 3 x 8)	147-0105	±90°	16.54	3 x 8	2.99	35.49	76 x 200
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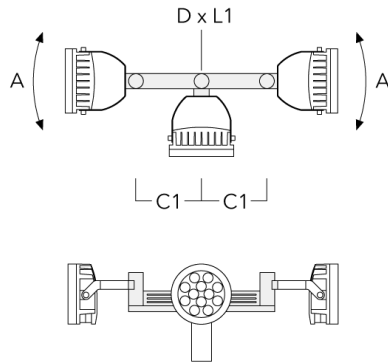




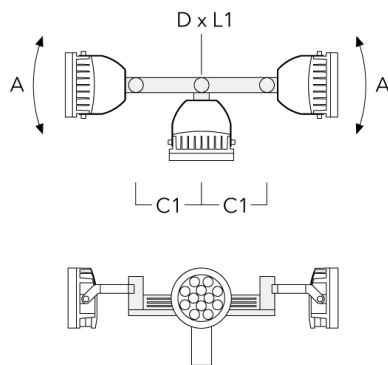
# FLC230 LED

## Floodlights

Description	Part ID	A	C1	D x L1	L	Weight (lb)	D x S
TA3 Mounting bracket, triple (Ø 3.50 x 8)	147-0025	±90°	25.59	3.50 x 8	3.5	39.46	89 x 200



TA3 Mounting bracket, triple (Ø 4.25 x 8)	147-0098	±90°	25.59"	4.25 x 8		53.35 lbs	108 x 200
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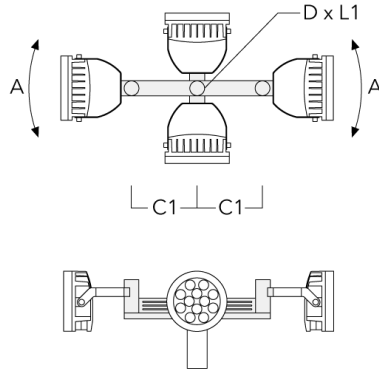
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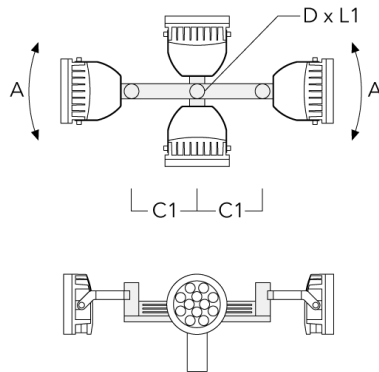
# FLC230 LED

## Floodlights

Description	Part ID	A	C1	D x L1	L	Weight (lb)	D x S
TA4 Mounting bracket, quad (Ø 3.50 x 8)	147-0099	±90°	25.59	3.50 x 8		45.86 lbs	89 x 200



TA4 Mounting bracket, quad (Ø 4.25 x 8)	147-0100	±90°	25.59	4.25 x 8		53.00	108 x 200
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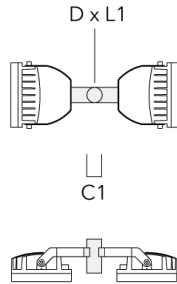
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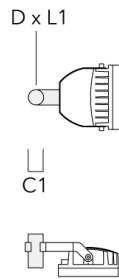
# FLC230 LED

## Floodlights

Description	Part ID	A	C1	D × L1	L	Weight (lb)	D × S
TA2 Mounting bracket, double (Ø 3 x 8)	147-0024		5.12	3 x 8	2.99	4.2 lbs	76 x 200



TA1 Mounting bracket, single (Ø 3 x 8)	147-0023		5.12	3 x 8	2.99	4.19	76 x 200
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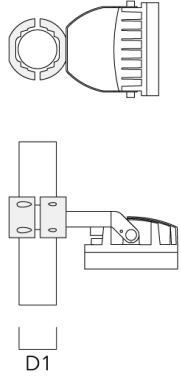
**Floodlights**

**Pole clamp TS**

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Description	Part ID	D1	Weight(lb)	D
TS1-2/M12 Pole clamp, single (Ø 4.0"-4.5")	147-0526	4.0-4.50	3.53	102-114

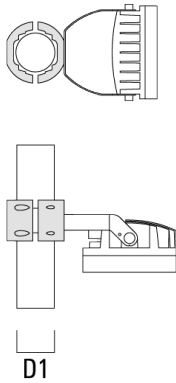
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TS1-2/M12 Pole clamp, single (Ø 4.5"-5.25")	147-0544	114-133	3.75	114-133
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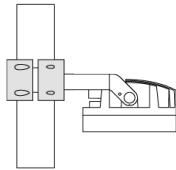
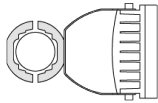
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**Floodlights**

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Description	Part ID	D1	Weight (lb)	D
TS1-2/M12 Pole clamp, single (Ø 3"-3.5")	147-0543	3.0-3.50	3.31	76-89

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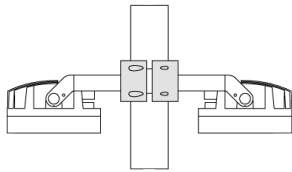
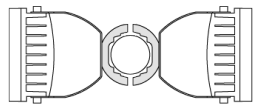


D1

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TS2-2/M12 Pole clamp, double (Ø 3"-3.5")	147-0545	3.0"-3.5"	3.09 lbs	76-89
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D1

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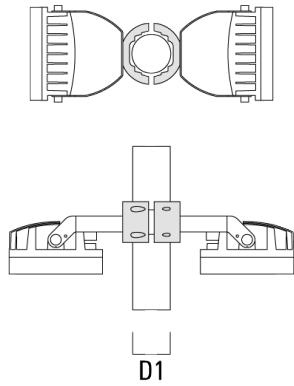
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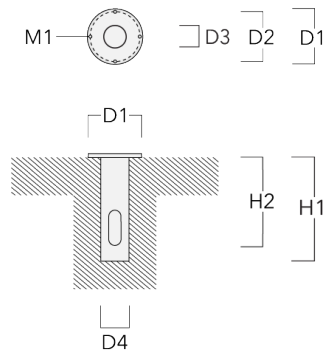
## Floodlights

Description	Part ID	D1	Weight (lb)	D
TS2-2/M16 Pole clamp, double (Ø 4.5"-5.25")	147-0546	4.50-5.25	3.53	114-133



## Planted root

Description	Part ID	D1	D2	D3	D4	H1	H2	M1	Weight (lb)
Planted root ESV4	300-0461	5.71	5.12	4.01	4.25	15.75	13.78	.31	15.54



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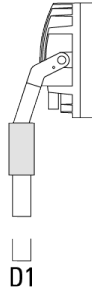
**Floodlights**

**Pole top caps KF**

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Description	Part ID	D1	D × L1	Weight (lb)	D
KF16-60/M16 Spigot Cap (Ø 2.36")	310-9120	2.36	2.36 x 4	4.4 lbs	60 x 100

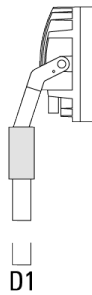
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KF16-76/M16 Spigot Cap (Ø 3.0")	310-9121	3	3 x 4	1.10 lbs	76 x 100
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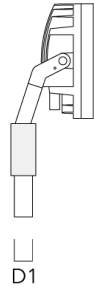
# FLC230 LED

## Floodlights

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Description	Part ID	D1	D × L1	Weight (lb)	D
KF16-89/M16 Spigot Cap (Ø 3.5")	300-0734	3.50	3.5 x 3	1.10 lbs	89

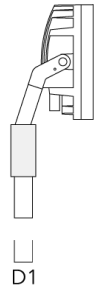
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KF16-108/M16 Spigot Cap (Ø 4.25")	300-0735	4.25	4.25 x 3	4.4 lbs	108
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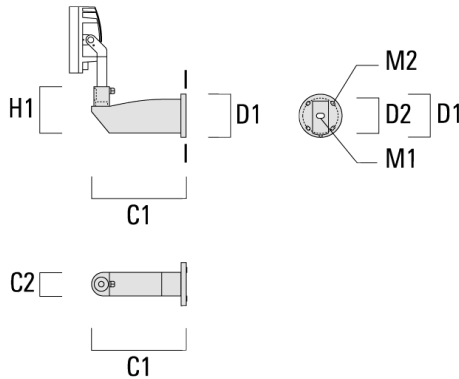
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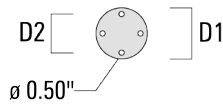
**Wall Mount Bracket WMB**

Description	Part ID	C1	C2	D1	D2	H1	M1	M2	Weight (lb)
WMB200 Wall mount bracket	147-6015	20.28	4.72	9.25	7.88	11.34	1.05	0.47	20.0 lbs



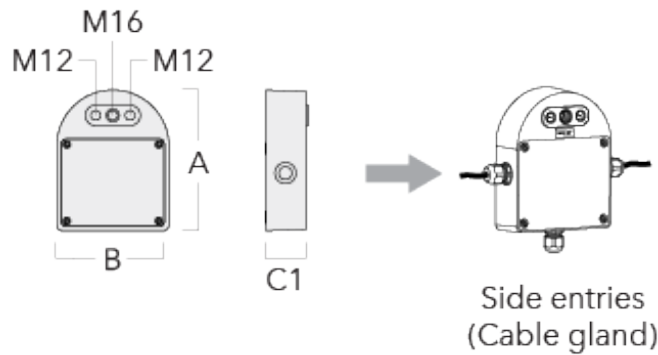
**Surface Mount Canopy SMC**

Description	Part ID	D1	D2	Weight (lb)
SMC-200	147-6915	10.83	9.25	15.4 lbs

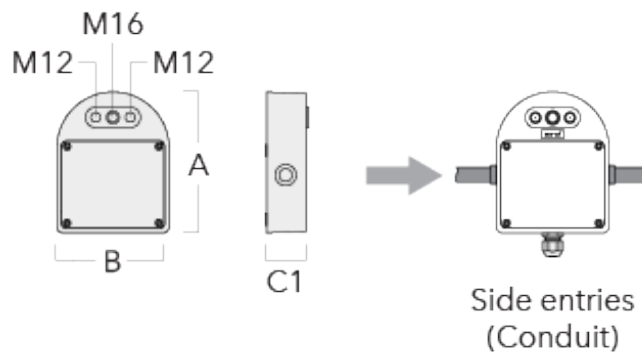


### Junction box

Description	Part ID	Additional information	A	B	C1	Weight (lb)
Junction box JB20 - Cable side entries	310-9013	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with cable glands.	7.09	5.63	2.01	2.25



Junction box JB20 - Conduit side entries	310-9014	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with conduits.	7.09	5.63	2.01	2.25
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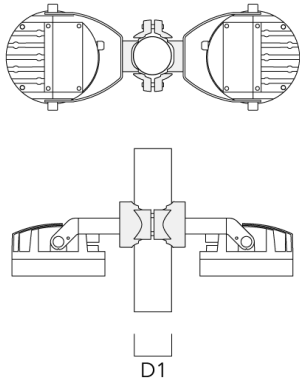
**Floodlights**

**Pole clamp PC**

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Description	Part ID	D1	Weight (lb)
PC2 76-89/60 Pole clamp, double (Ø 3"-3.5")	139-2703	3.0-3.50	2.20

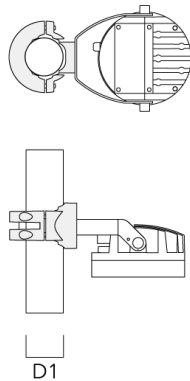
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PC1 76-89/60 Pole clamp, single (Ø 3"-3.5")	139-2702	3.0-3.50	2.20
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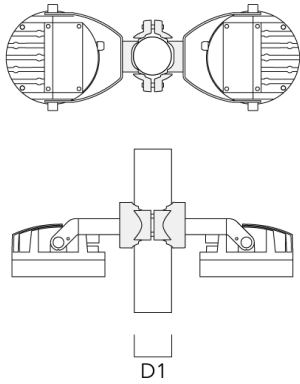
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**Floodlights**

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Description	Part ID	D1	Weight (lb)
PC2 102-114/60 Pole clamp, double (Ø 4"-4.5")	139-2707	4.0-4.50	2.65

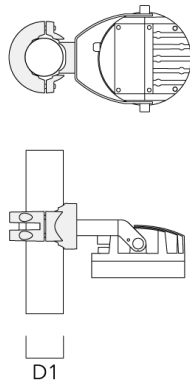
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PC1 102-114/60 Pole clamp, single (Ø 4"-4,5")	139-2706	4.0-4.50	2.65
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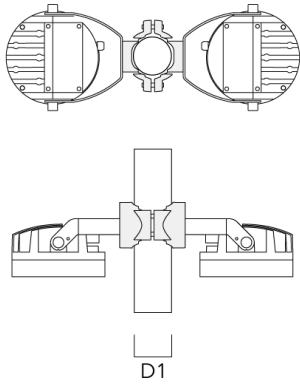
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**Floodlights**

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Description	Part ID	D1	Weight (lb)
PC2 114-133/60 Pole clamp, double (Ø 4.5"-5.25")	139-2709	4.5-5.25	3.10

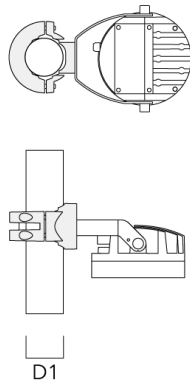
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PC1 114-133/60 Pole clamp, single (Ø 4.5"-5.25")	139-2708	4.5-5.25	3.10
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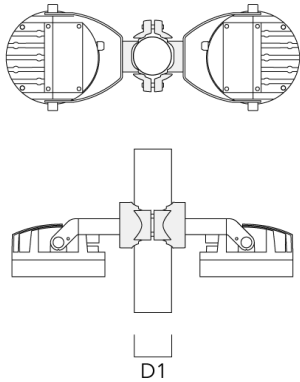


**Floodlights**

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Description	Part ID	D1	Weight (lb)
PC2 82-109/60 Pole clamp, double (Ø 3.25"-4.25")	139-2705	3.20-4.30	2.40

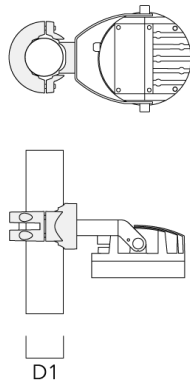
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PC1 82-109/60 Pole camp, single (Ø 3.25"-4.3")	139-2704	3.20-4.30	2.40
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# FLC230 LED

## Floodlights

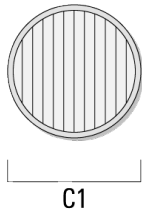
### Optical Accessories

#### Linear spread lens

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Description	Part ID	C1
10-180-FLC230-LED	139-1849	7.83

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# FLC230 LED

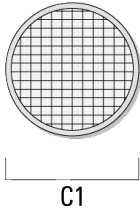
## Floodlights

### Softening Lens

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Description	Part ID	C1
I0-360-FLC230-LED	139-1850	7.83

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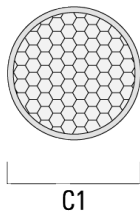
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### Honeycomb louvre

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Description	Part ID	C1
IW-FLC230-LED	139-1851	7.83

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# FLC230 LED

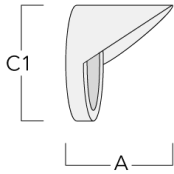
## Floodlights

### Glare shield

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Description	Part ID	A	C1
ES-FLC230-LED	139-1852	6.26	10.47

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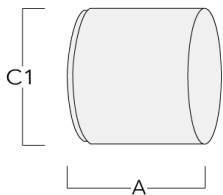
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### Snoot

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Description	Part ID	A	C1
ET-FLC230-LED	139-1853	6.3	10.47

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# FLC230 LED

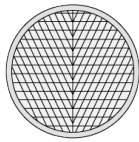
## Floodlights

### Wallwash lens

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Description	Part ID	C1
10-20-FLC230-LED	139-1848	7.83

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C1

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