

## FLC230 LED

**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)

Weight	16.80 lb
Light distribution	symmetric, medium beam [M]
Light source	LED-12/36W / 1050 mA - 3000 K
CRI	80
Power supply	electronic gear
LEDs	12
Rated input power	40 W

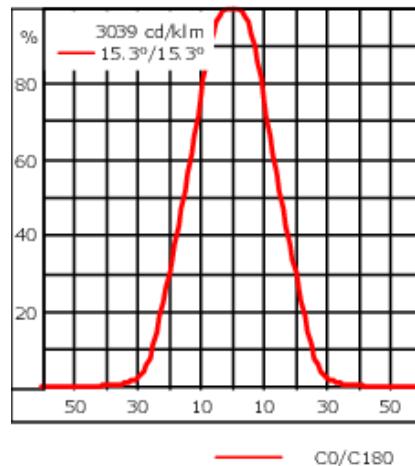
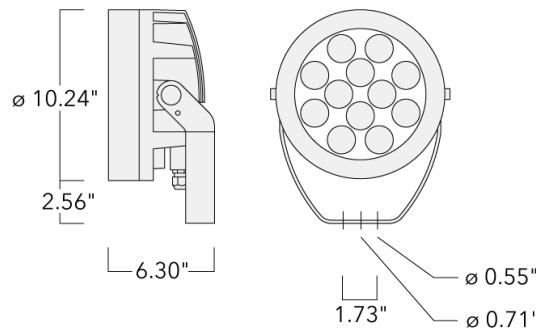
**Nominal Lumen (lm)**

LED Lumen	430
Total Lumen	5160
T <sub>j</sub>	85

**Delivered lumens (lm)**

LED Lumen	389.5
Total Lumen	4674.1
T <sub>a</sub>	25

## FLC230 LED



## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colors	<div style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></div> RAL9004 Black <div style="display: inline-block; width: 15px; height: 15px; background-color: #808080; margin-right: 5px;"></div> RAL9007 Grey Metallic <div style="display: inline-block; width: 15px; height: 15px; background-color: #F0F0F0; margin-right: 5px;"></div> RAL9016 White <div style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></div> 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

## FLC230 LED

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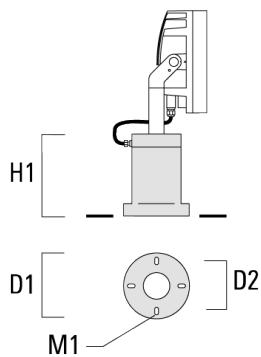
Lifetime	Ta=25°/40° L90B10 > 90000h
Listings	ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations. Meets ANSI C136.31 - 3G Vibration Rating for Bridge and Overpass Applications.

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## FLC230 LED

**Mounting Accessories****Short post EM**

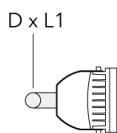
Description	Part ID	D1	D2	H1	M1	Weight (lb)
EM1-M16 AL - Single Cable Entry	270-9038	6.3	5.12	7.87"	0.35"	4.85 lbs



## FLC230 LED

## Floodlight mounting bracket TA

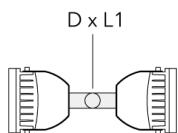
Description	Part ID	A	C1	D × L1	L	Weight (lb)	D × S
TA1 Mounting bracket, single ( $\emptyset$ 4.25 x 8)	147-0096		5.12	4.25 x 8	4.25	16.53	108 x 200



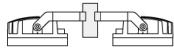
C1



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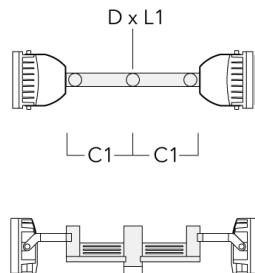


C1

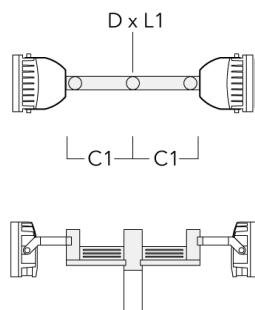


## FLC230 LED

Description	Part ID	A	C1	D × L1	L	Weight (lb)	D × 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

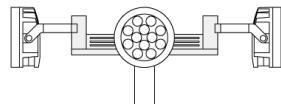
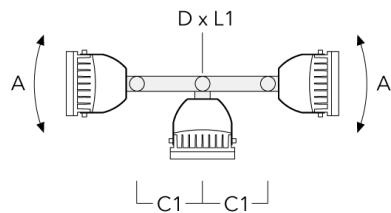


TA2-L Mounting bracket, double (Ø 3 x 8)	147-0105	±90°	16.54	3 x 8	2.99	35.49	76 x 200
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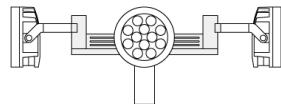
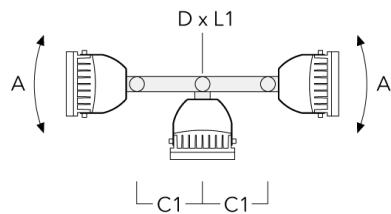


## FLC230 LED

Description	Part ID	A	C1	D × L1	L	Weight (lb)	D × S
TA3 Mounting bracket, triple ( $\varnothing$ 3.50 x 8)	147-0025	$\pm 90^\circ$	25.59	3.50 x 8	3.5	39.46	89 x 200

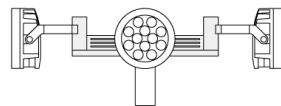
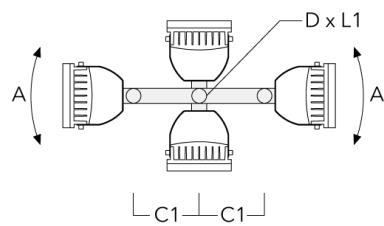


TA3 Mounting bracket, triple ( $\varnothing$ 4.25 x 8)	147-0098	$\pm 90^\circ$	25.59"	4.25 x 8	53.35 lbs	108 x 200
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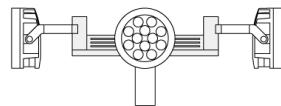
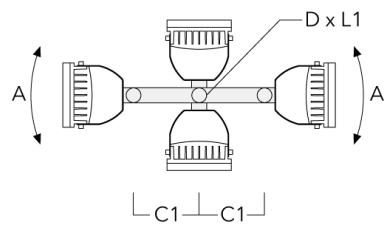


## FLC230 LED

Description	Part ID	A	C1	D × L1	L	Weight (lb)	D × S
TA4 Mounting bracket, quad ( $\varnothing$ 3.50 x 8)	147-0099	$\pm 90^\circ$	25.59	3.50 x 8		45.86 lbs	89 x 200

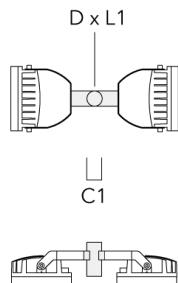


TA4 Mounting bracket, quad ( $\varnothing$ 4.25 x 8)	147-0100	$\pm 90^\circ$	25.59	4.25 x 8	53.00	108 x 200
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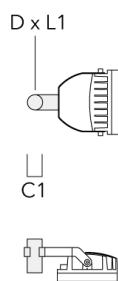


## FLC230 LED

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



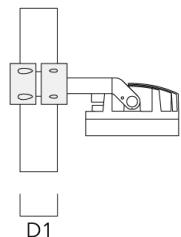
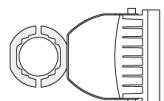
TA1 Mounting bracket, single ( $\emptyset 3 \times 8$ )	147-0023	5.12	3 x 8	2.99	4.19	76 x 200
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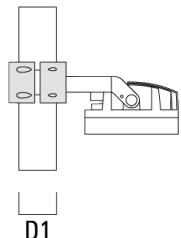
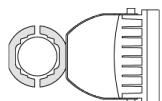
## FLC230 LED

## Pole clamp TS

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

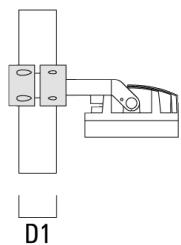
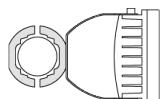


TS1-2/M12 Pole clamp, single (Ø 4.5"-5.25")	147-0544	114-133	3.75	114-133
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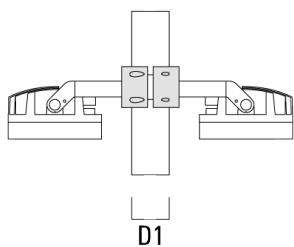
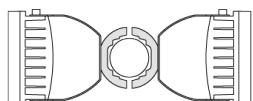
## FLC230 LED

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



D1

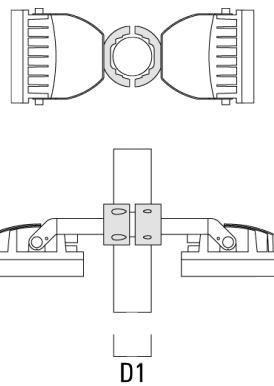
TS2-2/M12 Pole clamp, double ( $\emptyset$ 3"-3.5")	147-0545	3.0"-3.5"	3.09 lbs	76-89
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D1

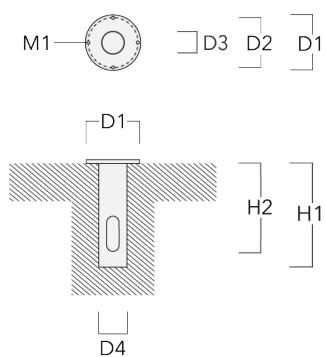
## FLC230 LED

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

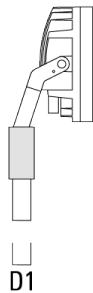
Description	Part ID	D1	D2	D3	D4	H1	H2	M1	Weight (lb)
Planted root ESV4	300-0461	5.71	5.12	4.01	4.25	15.75	13.78	.31	15.54



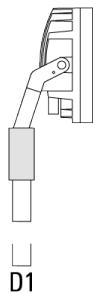
## FLC230 LED

## Pole top caps KF

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

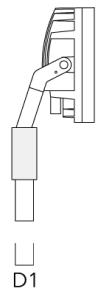


KF16-76/M16 Spigot Cap (Ø 3.0")	310-9121	3	3 x 4	1.10 lbs	76 x 100
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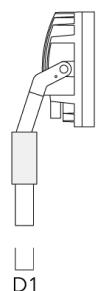


## FLC230 LED

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



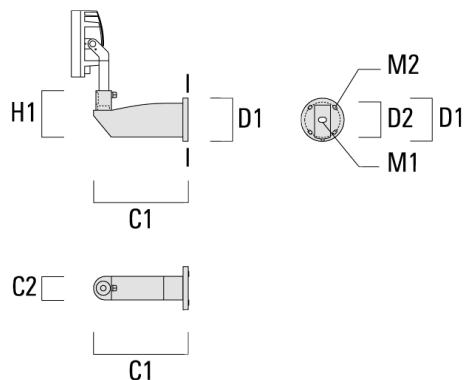
KF16-108/M16 Spigot Cap (Ø 4.25")	300-0735	4.25	4.25 x 3	4.4 lbs	108
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## FLC230 LED

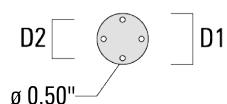
## Wall Mount Bracket WMB

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

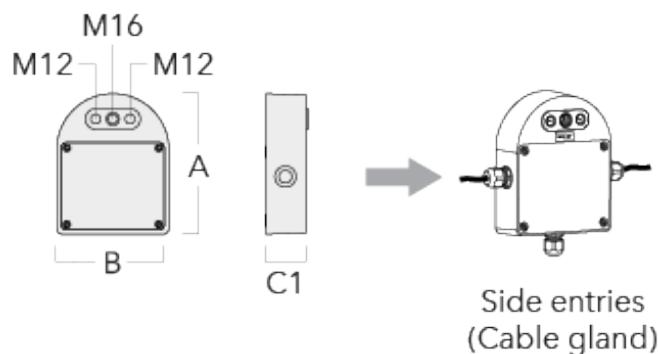
Description	Part ID	D1	D2	Weight(lb)
SMC-200	147-6915	10.83	9.25	15.4 lbs



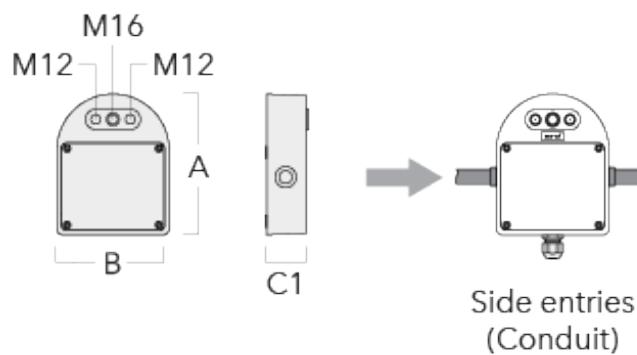
## FLC230 LED

## 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



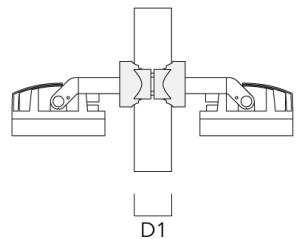
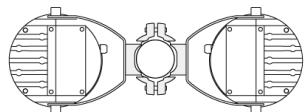
Junction box JB20 - Conduit side entries	310-9014	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with conduits.	7.09	5.63	2.01	2.25
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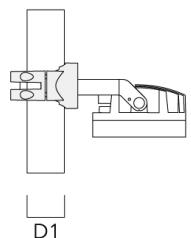
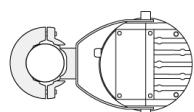
## FLC230 LED

## Pole clamp PC

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

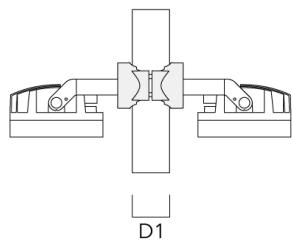
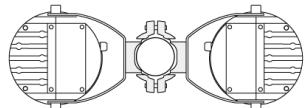


PC1 76-89/60 Pole clamp, single ( $\emptyset$ 3"-3.5")	139-2702	3.0-3.50	2.20
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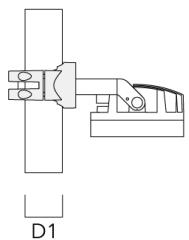
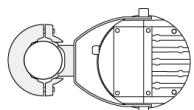


## FLC230 LED

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

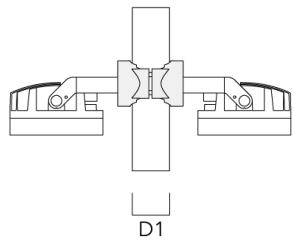
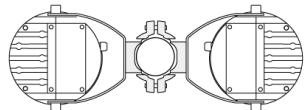


PC1 102-114/60 Pole clamp, single (Ø 4"-4.5")	139-2706	4.0-4.50	2.65
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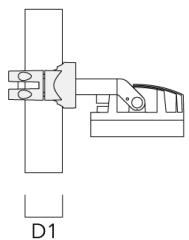
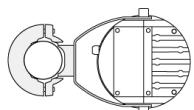


## FLC230 LED

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

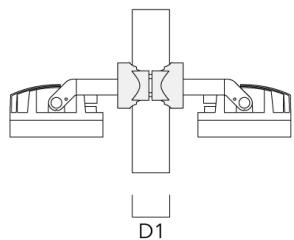
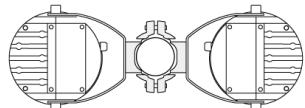


PC1 114-133/60 Pole clamp, single (Ø 4.5"-5.25")	139-2708	4.5-5.25	3.10
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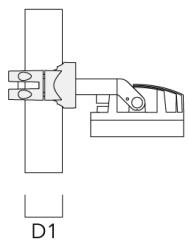
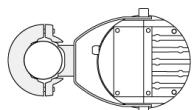


## FLC230 LED

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



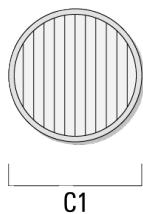
PC1 82-109/60 Pole camp, single (Ø 3.25"-4.3")	139-2704	3.20-4.30	2.40
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## Optical Accessories

### Linear spread lens

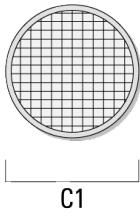
Description	Part ID	C1
IO-180-FLC230-LED	139-1849	7.83



## FLC230 LED

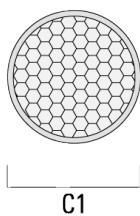
## Softening Lens

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



## Honeycomb louvre

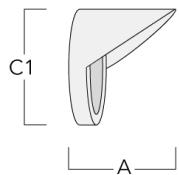
Description	Part ID	C1
IW-FLC230-LED	139-1851	7.83



## FLC230 LED

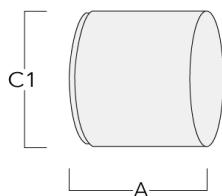
## Glare shield

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



## Snoot

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



## FLC230 LED

## Wallwash lens

Description	Part ID	C1
I0-20-FLC230-LED	139-1848	7.83

