



LED FLOOD LIGHT · 15 – 120 W

Flood light

Four output levels and three colour temperatures, set on site. Three housing sizes from 15 W to 120 W.

19,000_{lm}

LUMENS, 120 W AT 4000 K

175_{lm/W}

EFFICACY, 90 W UNIT AT 36 W

50,000_h

ESTIMATED LED LIFE

120–277_v

UNIVERSAL INPUT

PROJECT

TYPE

CATALOG NO.

DATE



Specification, features and options

Common to all models: 120–277 V · 3000 / 4000 / 5000 K selectable · CRI > 70 · 0–10 V dimming, 10%–100% · 7Hx7V (NEMA type) · wet location · 50,000-hour rated life. Suited to general flood lighting of courtyards, driveways, buildings and billboards.

CONSTRUCTION	One-piece die-cast aluminum housing for heat dissipation. Powder-coated, with fully sealed tempered glass. Suitable for applications requiring 1.5 G vibration, ANSI C136.31.	OPTICS	7Hx7V (NEMA type). High-reflective white reflector and tempered glass. Integrated visor reduces glare. Lumen packages from 930 lm to 19,000 lm.
COLOUR	Selectable on site: 3000 K, 4000 K or 5000 K. CRI > 70.	OUTPUT	Four selectable levels, LV1 to LV4; see Performance.
ELECTRICAL	Universal 120–277 V AC. Power factor > 0.9, THD < 20%.	DIMMING	0–10 V driver, 10%–100%.
CONTROLS	Optional photocell.	MOUNTING	1/2 in NPS knuckle, slipfitter, trunnion and yoke are all available.
ENVIRONMENT	Wet location, IP65. Operating temperature –40 °C to +40 °C [–40 °F to +104 °F].	LIFE	Estimated 50,000 hours, based on IES LM-80 results and TM-21 calculations.
LISTINGS	UL and cUL wet location listed. DesignLights Consortium qualified; classified for DLC Premium.	WARRANTY	5-year limited.

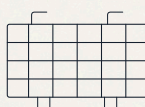
Features

Four output levels per model, LV1 to LV4	Optional photocell
Three colour temperatures, selected on site	Knuckle, trunnion, slipfitter or yoke mounting
0–10 V dimming, 10%–100%	Wet-location listed
120–277 V universal input	5-year limited warranty

Options and accessories



Photocell · P
Optional photocell for security and energy saving.



Wire guard
Optional accessory.



Knuckle assembly supporter
Optional accessory.

Actual performance may differ with end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C (±5 °C). Specifications subject to change without notice. DLC qualifications: designlights.org.

Output data, every setting

Beam angle 7Hx7V · CRI > 70 · settings LV1 to LV4 selected on site.

15 W

4 SETTINGS

		3000 K		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	15 W	2100 lm	140 lm/W	2250 lm	150 lm/W	2150 lm	143 lm/W
LV2	12 W	1750 lm	146 lm/W	1850 lm	154 lm/W	1780 lm	148 lm/W
LV3	9 W	1350 lm	150 lm/W	1450 lm	161 lm/W	1400 lm	156 lm/W
LV4	6 W	930 lm	150 lm/W	1000 lm	167 lm/W	950 lm	158 lm/W

27 W

4 SETTINGS

		3000 K		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	27 W	3800 lm	141 lm/W	4050 lm	150 lm/W	3900 lm	144 lm/W
LV2	22 W	3150 lm	146 lm/W	3300 lm	153 lm/W	3200 lm	148 lm/W
LV3	16 W	2450 lm	151 lm/W	2600 lm	160 lm/W	2500 lm	154 lm/W
LV4	11 W	1650 lm	153 lm/W	1800 lm	167 lm/W	1700 lm	157 lm/W

40 W

4 SETTINGS

		3000 K		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	40 W	5700 lm	143 lm/W	6000 lm	150 lm/W	5800 lm	145 lm/W
LV2	32 W	4700 lm	147 lm/W	4950 lm	155 lm/W	4800 lm	150 lm/W
LV3	24 W	3700 lm	154 lm/W	3900 lm	163 lm/W	3750 lm	156 lm/W
LV4	16 W	2500 lm	156 lm/W	2700 lm	169 lm/W	2550 lm	159 lm/W

Output data, every setting

Beam angle 7Hx7V · CRI > 70 · settings LV1 to LV4 selected on site.

65 W

4 SETTINGS

		3000 K		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	65 W	9200 lm	142 lm/W	9700 lm	149 lm/W	9400 lm	145 lm/W
LV2	52 W	7600 lm	146 lm/W	8000 lm	154 lm/W	7800 lm	150 lm/W
LV3	39 W	5900 lm	151 lm/W	6200 lm	159 lm/W	6050 lm	155 lm/W
LV4	26 W	4100 lm	158 lm/W	4300 lm	165 lm/W	4200 lm	162 lm/W

90 W

4 SETTINGS

		3000 K		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	90 W	13400 lm	149 lm/W	14500 lm	161 lm/W	13500 lm	150 lm/W
LV2	72 W	11100 lm	154 lm/W	12000 lm	167 lm/W	11200 lm	156 lm/W
LV3	54 W	8600 lm	159 lm/W	9200 lm	170 lm/W	8600 lm	159 lm/W
LV4	36 W	5900 lm	164 lm/W	6300 lm	175 lm/W	5950 lm	165 lm/W

120 W

4 SETTINGS

		3000 K		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	120 W	17500 lm	146 lm/W	19000 lm	158 lm/W	18000 lm	150 lm/W
LV2	96 W	14500 lm	151 lm/W	15600 lm	163 lm/W	14900 lm	155 lm/W
LV3	72 W	11200 lm	156 lm/W	12000 lm	167 lm/W	11500 lm	160 lm/W
LV4	48 W	7700 lm	160 lm/W	8300 lm	173 lm/W	7900 lm	165 lm/W

Electrical data and photometrics

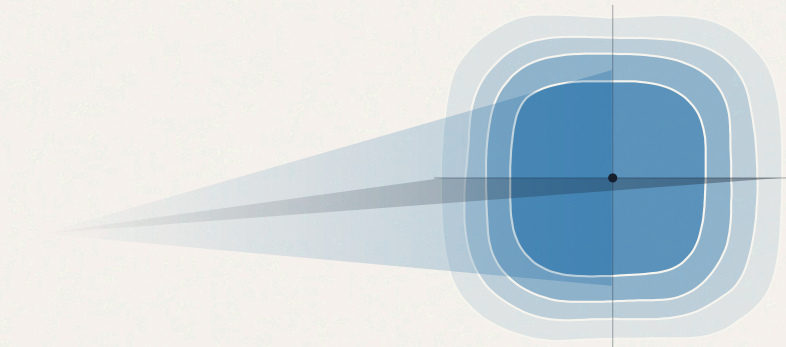
Input current at each supply voltage.

Drivers and input current

AMPS

NOMINAL POWER	DRIVER CURRENT	DRIVERS	120 V	208 V	240 V	277 V
15 W	230 mA	1	0.13 A	0.07 A	0.06 A	0.05 A
27 W	450 mA	1	0.23 A	0.13 A	0.11 A	0.10 A
40 W	680 mA	1	0.33 A	0.19 A	0.17 A	0.14 A
65 W	980 mA	1	0.54 A	0.31 A	0.27 A	0.23 A
90 W	730 mA	1	0.75 A	0.43 A	0.38 A	0.32 A
120 W	960 mA	1	1.00 A	0.58 A	0.50 A	0.43 A

Photometrics



7HX7V

Beam distribution (7Hx7V), redrawn from the factory graphic: plan isolines and side beam.

Ordering guide

Catalog number breakdown

LEFT TO RIGHT

MFD11 – 40W – 27V – DDK – D – P – KN – B77

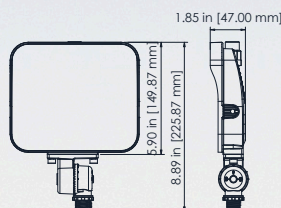
	1	2	3	4	5	6	7	8
1	Series	MFD11						Flood light series
2	Wattage	15W · 27W · 40W · 65W · 90W · 120W						15 – 120 watts
3	Voltage	27V						120–277 V
4	CCT	DDK						3000 K / 4000 K / 5000 K, field-selectable
5	Finish	D · B · W						dark bronze · black · white
6	Photocell	P						with photocell · blank = without photocell
7	Mounting	TR · KN · YK · SP						trunnion · knuckle · yoke · slipfitter
8	Nema	B77						7Hx7V
9	Internal code	blank						alphanumeric

EXAMPLE MFD11 40W 27V DDK D P KN B77 — 40 W, 120–277 V, field-selectable CCT, dark bronze, with photocell, knuckle mount, 7Hx7V. TR and KN fit 15 – 65 W; YK and SP fit 90 and 120 W.

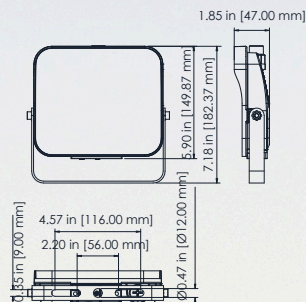
Dimensions and mounting

Dimensions in inches [millimetres]. Drawn from the factory drawings.

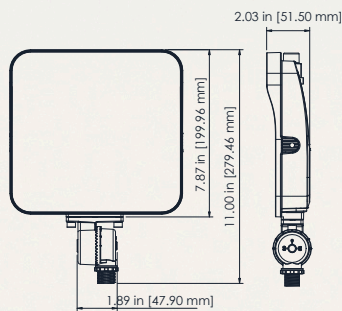
15 W · 27 W · KNUCKLE



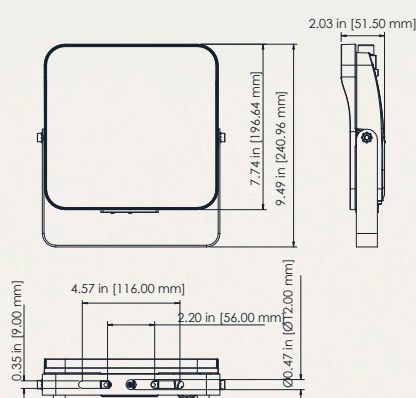
15 W · 27 W · TRUNNION



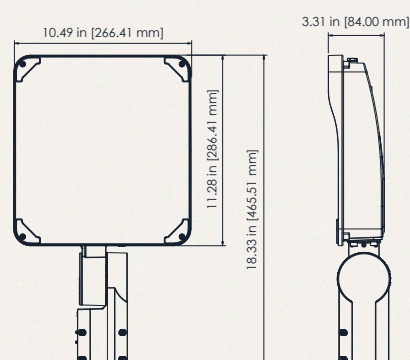
40 W · 65 W · KNUCKLE



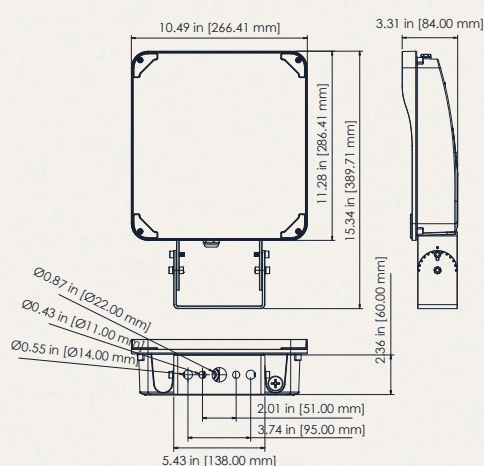
40 W · 65 W · TRUNNION



90 W · 120 W · SLIPFITTER



90 W · 120 W · YOKE



Mounting

Knuckle · KN

1/2 in NPS knuckle. 15 W to 65 W.

Slipfitter · SP

90 W and 120 W.

Trunnion · TR

15 W to 65 W.

Yoke · YK

90 W and 120 W. The knuckle joint can be removed and the bracket installed, with no additional waterproofing.