

ARF4 LED DECORATIVE FLOOD

Cat.#

Job

Type



SPECIFICATIONS

Intended Use:

Large LED flood double with a variety of NEMA distributions for lighting applications such as safety/security, accent, flag pole, columns, facade, area, or signs; operating temperature of -35°C to 40°C

Construction:

- Rugged die-cast aluminum housing with seven finish choices
- Tempered glass lens protects LEDs and allows for easy cleaning/debris removal
- Vented housing isolates LED module from driver, maximizing product life and performance
- Visor, louver and vandal accessories available

LED:

- 84 high powered LEDs deliver up to 19,368 lumens, 194w, 100 LPW
- 3000K 80 CRI, 4000K 70 CRI, 5000K CCT 67 CRI

Optical/Electrical

- Variety of NEMA distributions - N (3x3), M (4x4), RM (5x5) and W (6x6) - for wide range of lighting application
- 120-277V, 347V and 480V operation, 50/60Hz 194w, 700mA, up to 100 LPW

- IP65 fixture, driver RoHS compliant and IP66
 - 0-10V dimming driver standard, order as special to have dimming leads pulled
 - 20KA surge protector (over current device) option available with end of life feature
- ### Installation:
- Knuckle mount with 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes
 - Heavy duty steel yoke with adjustable stainless steel hardware, mounting holes for one center - 3/4" bolt or two side - 3/8" bolts
 - 3' SE00W cord with yoke mount

Listings:

- IP65, Listed to UL1598 for use in wet locations
- DLC Qualified (4000K and 5000K models only); Consult DLC website for more details: <http://www.designlights.org/QPL>
- EPA = 1.85ft²

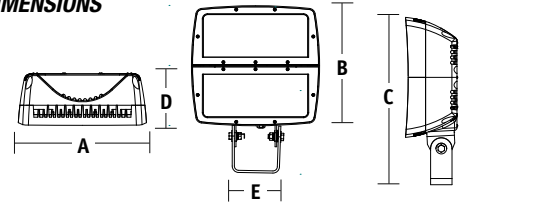
Warranty:

For more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>

PRODUCT IMAGE(S)



DIMENSIONS



A	B	C	D	E	Weight
14.9"	14.0"	19.6"	6.0"	5.5"	36.2 lbs.
378 mm	356 mm	498 mm	152 mm	139 mm	16.4 kg

H	I	J
17/32"	7/8"	3-1/8"
14mm	22mm	79mm

CERTIFICATIONS/LISTINGS



SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
ARF4 (Single carton 1 pc.)	40 (20)	19.25"	17.62"	9.62"

Carton dimensions for shipping purposes only

ORDERING INFORMATION

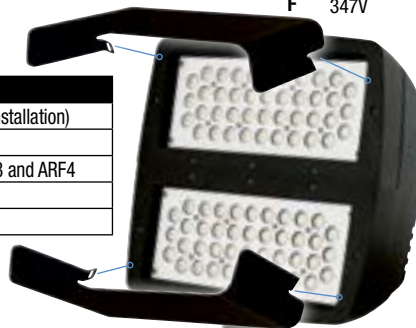
ARF4	-	-	-	-	-	-	-	-	-	-
FAMILY	MOUNTING	# LEDS	LED COLOR	DRIVE CURRENT	BEAM	VOLTAGE	FINISH	CONTROL OPTIONS	OPTIONS	
ARF4 Arceos™ Flood Large	Y Yoke K Knuckle	84L 84 LEDs	3K ¹ 3000K 4K 4000K 5K 5000K	070 700mA	N 3x3 M 4x4 RM 5x5 W 6x6	U 120-277V 1 120V 2 208V 3 240V 4 277V 5 480V F 347V	DB Bronze BL Black WH White GR Gray PS Platinum FG Forest Green (premium color) RD Red (premium color) CC ³ Custom Color	PC ² Photocontrol (voltage determined by voltage field) PR Twist lock PC receptacle	F ² Fusing 120-277 (voltage determined by voltage field) SP Surge Protector 20KA Surge Protector with end of life feature	

1 DLC qualification 4K and 5K models only
2 Must specify voltage for PC and Fusing options
3 Custom colors available, contact factory

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-XX ⁴	Top or bottom visor (Tap holes in lens frame for field installation)
FLL-LOUVER-BL	Black adjustable louver (2 per fixture)
FLL-LENS	Replacement glass with gasket and hardware for ARF3 and ARF4
ARF-SPC	Polycarbonate vandal shield (2 per fixture)
93053187	96w, 120-277V Dimming driver, 700mA (2 Qty)

4 Specify finish color to match fixture; e.g. DB - Dark Bronze



PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	NEMA	FIELD ANGLE H° X V°	5K (5000K nominal, 67 CRI)			4K (4000K nominal, 70 CRI)			3K (3000K nominal, 80 CRI)		
						LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER
84	700mA	194W	N	3 x 3	32° x 32°	18498	95	153408	17295	90	143300	13227	69	111198
			M	4 x 4	53° x 53°	19368	100	78017	17563	91	57762	13305	69	45697
			RM	5 x 5	84° x 86°	16565	86	28564	15086	78	26659	11478	59	19386
			W	6 x 6	107° x 107°	18780	97	12564	17104	89	11764	13067	68	9284

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	OPERATING HOURS					Calculated L70 (HOURS)
	0	25,000	50,000	1 TM -21-11 60,000	100,000	
25°C / 77°F	1.00	0.96	0.94	0.94	0.91	>525,000
40°C / 104°F	1.00	0.95	0.93	0.92	0.89	>354,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (W)
84	2	700mA	120	1.61	194
			277	.70	194

PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.spauldinglighting.com

