FML LED
DECORATIVE FLOOD

Cat.#

Job

Type

HUBBELL Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:
Compact LED flood with a variety of NEMA distribution for lighting applications such as safety/security, accent, flag pole, columns, or signs

Construction:
- Corrosion resistant, rugged die-cast aluminum housing with powder coat paint finish
- High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- Vented housing isolates LED module from driver, maximizing product life and performance
- Visor and vandal lens available

LED:
- 20 high powered LED's
- Ambient operating temperature -35°C to 40°C
- Stock Versions: 4000K and 5000K CCT
- MTO Versions: 3000K nominal with 80 CRI, 4000K and 5000K CCT nominal with 70 CRI

Optical/Electrical
- Variety of NEMA distributions: - N (3x3), M (4x4), RM (5x4) and W (6x6) - for wide range of lighting applications; Stock version Wide (6x6) only
- 120-277V operation, 50/60Hz
- Driver IP66 and RoHS compliant driver
- 10KV surge protector comes standard

Optical/Electrical (Cont.)
- 0-10V dimming driver standard, continuous dimming option to have leads pulled out for easy connection

Installation:
- Traditional ½" x 14 NPS threaded adjustable knuckle mounting
- Easy maintenance access to electrical components with removal of 4 screws from back of fixture housing.

Listings:
- IP65
- EPA is .54 sq./ft.
- 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
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions
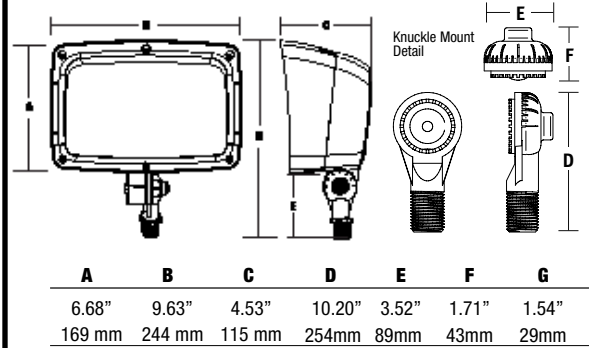
Warranty:
5 year limited warranty, for more information visit: http://www.hubbelllighting.com/resources/warranty/

CERTIFICATIONS/LISTINGS

IP65

PRODUCT IMAGE(S)

DIMENSIONS

Knuckle Mount Detail

A	B	C	D	E	F	G
6.68"	9.63"	4.53"	10.20"	3.52"	1.71"	1.54"
169 mm	244 mm	115 mm	254mm	89mm	43mm	29mm

SHIPPING INFORMATION

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
FML-52 or 20 (Single carton 1 pc.)	3.81 lbs (1.7)	11.81" (30)	9.45" (24)	7.48" (19)
FML-52 (Master carton 2 pcs.)	7.61 lbs (3.5)	19.69" (50)	12.40" (32)	8.46" (21.5)
Carton dimensions for shipping purposes only				

ORDERING INFORMATION - STOCK VERSION

Catalog Number	Mount	Max Candle Power	Beam Pattern	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)	Finish
FML-52	1/2" thread	3291	Wide	52	700mA	120-277V	5000K	4957	96	8.5 (3.8)	Dark Bronze Matte Textured
FML-52-PCU	1/2" thread	3291	Wide	52	700mA	120-277V	5000K	4957	96	8.5 (3.8)	
FML-52-4K	1/2" thread	3150	Wide	52	700mA	120-277V	4000K	4552	94	8.5 (3.8)	
FML-52-4K-PCU	1/2" thread	3150	Wide	52	700mA	120-277V	4000K	4552	94	8.5 (3.8)	

ORDERING INFORMATION - MADE TO ORDER

FML - 20L - 52 - ☐ - ☐ - ☐ - ☐ - K - ☐ - ☐ - ☐

FAMILY	# LEDS	WATTS	CCT	CRI	VOLTAGE	MOUNTING	FINISH	CONTROL OPTION	OPTIONS
FML FACTOR Flood Medium	20L 20 LED	52 52W	3K 3000K	7 70 CRI	U 120V-277V	K Knuckle	BLT Black Matte Textured	PC[1] Photocontrol (voltage specified and determined by voltage field)	F[1] Fusing 120 or 277V only (determined by voltage field)
			4K 4000K	8[2] 80 CRI	1 120V		BLS Black Gloss Smooth		
			5K 5000K		2 208V		DBT Dark Bronze Matte Textured	CD Continuous dimming	SP Surge Protector, 20KA Surge Protector
					3 240V		DBS Dark Bronze Gloss Smooth		
					4 277V		GTT Graphite Matte Textured		

DISTRIBUTION

N	3x3
M	4x4
RM	5x4
W	6x6

FINISH (cont.)
- LGS Light Grey Gloss Smooth
- PSS Platinum Silver Smooth
- WHT White Matte Textured
- WHS White Gloss Smooth
- VGT Verde Green Smooth

COLOR OPTION
- CC Custom Color

[1] - PC - photocell and F - Fusing options cannot be combined, only available as separate options
[2] - 80 CRI only available on 3K configurations

ACCESSORIES/REPLACEMENT PARTS - Order Separately

| Catalog Number	Description
FML-SPC	Vandal resistant polycarbonate lens (Replaces existing acrylic outer frame)
FML-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93047961AC	Acrylic lens w/ gasket
93047971	FML14, 50w, 120-277V Dimming driver 1050mA
93043808	FML20, 50w, 120-277V Dimming driver 700mA
20750110264	Knuckle mount Dark Bronze finish. Contact factory for additional finishes
S-302	Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Gray
S-302-M51	Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Bronze
S-302-M52	Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; White
TRN-XX[1]	Trunnion adaptor for 1/2" threaded knuckle mount

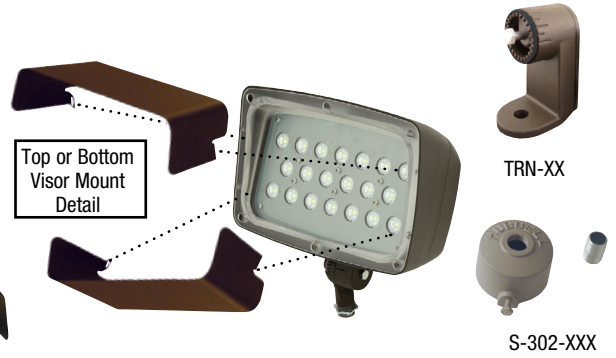1 Specify finish color to match fixture, e.g. DB - Bronze.

TRN-XX

Top or Bottom Visor Mount Detail

S-302-XXX

FRAME & LENS

FML-SPC

FML-VISOR – 3/4 View
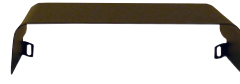
Front View

PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	NEMA	FIELD ANGLE H° X V°	5K (5000K nominal, 70 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
20	700mA	52w	N	3 x 3	32 x 32	5185	103	41534	4675	98	38703	3618	75	31214
			M	4 x 4	54 x 54	5083	99	15056	4712	98	13606	3618	74	10399
			RM	5 x 4	83 x 66	4338	84	7273	4017	83	6543	3132	63	5527
			W	6 x 6	107 x 107	4957	96	3291	4552	94	3150	3466	69	2548

1 - 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	0.98	0.96	0.96	0.94	>696,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.92	>565,000

ELECTRICAL DATA

| # OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (W)
20	2	700mA	120	0.56	52
			277	0.26	52

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
50°C	122°F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).
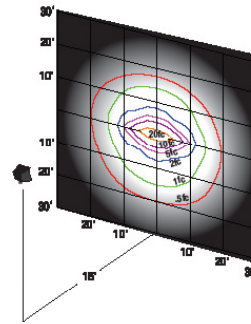
PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com
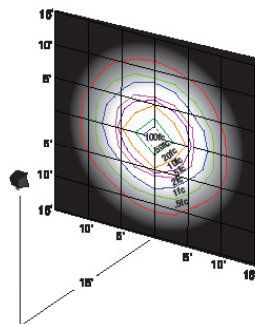
FML20
3x3 Narrow
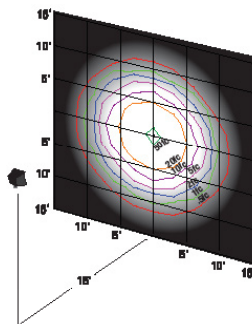
FML20
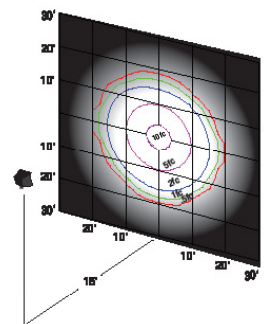4x4 Medium

FML20
5x4 Rectangular
Medium

FML20
6x6 Wide

HUBBELL
Outdoor Lighting