


FML LED DECORATIVE FLOOD	Cat.#		
	Job	Type	
	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:

- 14 high powered LED's (Stock)
- 20 high powered LED's (MTO)
- 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

Optical/Electrical (Cont.)

- 120-277V operation, 50/60Hz
- Driver IP66 and RoHS compliant driver
- 10KV surge protector comes standard
- 0-10V dimming driver standard, continuous dimming option to have leads pulled out for easy connection

Installation:

- Traditional 1/2" 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>

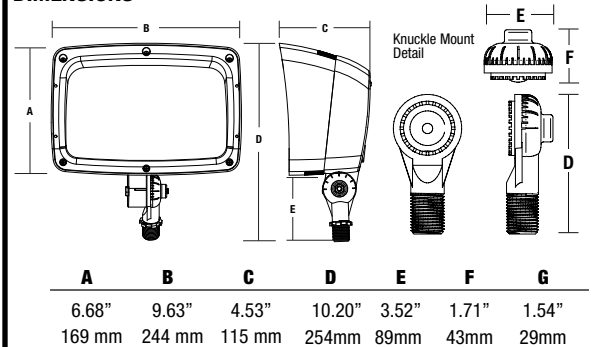
Warranty:

5 year limited warranty, for more information visit: <http://www.hubbellighting.com/resources/warranty/>

PRODUCT IMAGE(S)



DIMENSIONS



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

CERTIFICATIONS/LISTINGS



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	3481	Wide	52	1050mA	120-277V	5000K	4771	95	8.5 (3.8)	Bronze
FML-14-PCU	1/2" thread	3481	Wide	52	1050mA	120-277V	5000K	4771	95	8.5 (3.8)	
FML-14L4K	1/2" thread	3568	Wide	52	1050mA	120-277V	4000K	4695	94	8.5 (3.8)	
FML-14L4K-PCU	1/2" thread	3568	Wide	52	1050mA	120-277V	4000K	4695	94	8.5 (3.8)	

ORDERING INFORMATION - MADE TO ORDER

FML		-	20L		-	52		-		-		-		-	K	-		-		-	
FAMILY		# LEDS		WATTS		CCT		DISTRIBUTION		VOLTAGE		MOUNTING		FINISH		CONTROL OPTION		OPTIONS			
FML	FACTOR Flood Medium	20L	20 LED	52	52W	3K 3000K 4K 4000K 5K 5000K	N 3x3 M 4x4 RM 5x4 W 6x6	U 120V-277V 1 120V 2 208V 3 240V 4 277V	K Knuckle	DB Bronze BL Black WH White GR Gray PS Platinum silver CC Custom Color	PC ¹ Photocontrol (voltage specified and determined by voltage field) CD Continuous dimming	F ¹ Fusing 120 or 277V only (determined by voltage field) PC Surge Protector, 20KA Surge Protector									

1 - PC - photocell and F - Fusing options cannot be combined, only available as separate options



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ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FML-SPC	Vandal resistant polycarbonate lens (Replaces existing acrylic outer frame)
FML-VISOR-XX¹	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-XX¹	Trunnion adaptor for 1/2" threaded knuckle mount

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



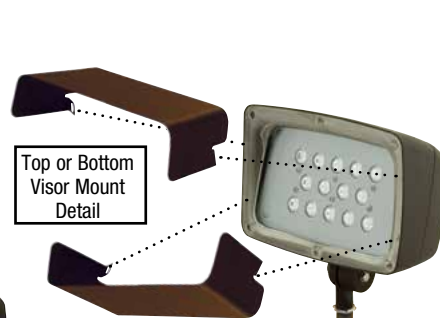
FML-SPC



FML-VISOR - 3/4 View



Front View



Top or Bottom
Visor Mount
Detail



TRN-XX



S-302-XXX

PERFORMANCE DATA - Stock

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	NEMA	FIELD ANGLE H° X V°	5K (5000K nominal, 70 CRI)			4K (4000K nominal, 70 CRI)		
						LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER
14	1050mA	52W	W	6 X 6	108 X 107	4771	95	3481	4695	94	3568

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.

PERFORMANCE DATA - MTO

# 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 - Stock

AMBIENT TEMP.	OPERATING HOURS					Calculated L70 (HOURS)
	0	25,000	50,000	¹ TM-21-11 60,000	100,000	
40°C / 104°F	0.99	0.91	0.85	0.84	0.76	>137,000

PROJECTED LUMEN MAINTENANCE - MTO

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)
14	1	1050mA	120	0.43	53
			277	0.19	53
20	2	700mA	120	0.56	52
			277	0.26	52

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.99
50°C	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

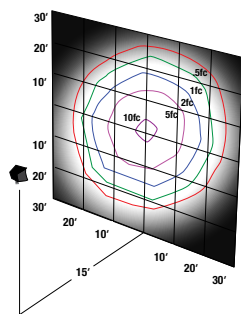


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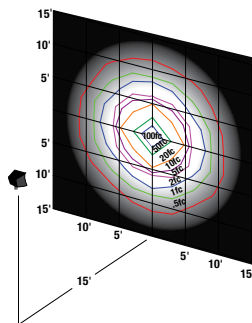
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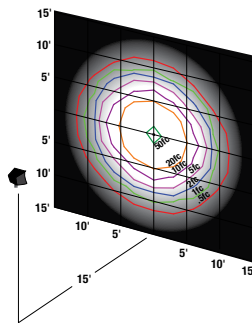
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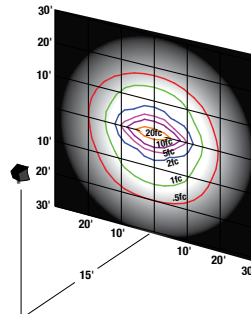
FML14
6x6 Wide



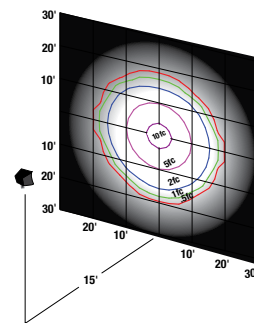
FML20
3x3 Narrow



FML20
4x4 Medium



FML20
5x4 Rectangular
Medium



FML20
6x6 Wide