

FSL LED DECORATIVE FLOOD

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Ultra compact LED flood with a variety of NEMA distributions 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:

- 10 high powered LED's
- Ambient operating temperature -35°C to 40°C
- Stock Versions: 4000K and 5000K CCT
- MTO Versions: 3000K CCT 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

Optical/Electrical (Cont.)

- Comes standard with 10KV surge protection device
- 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:

- IP66
- 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>

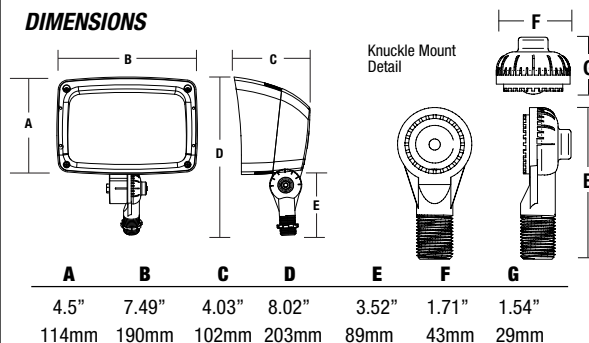
Warranty:

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)
FSL-25 (Single carton 1pc.)	2.66 lbs (1.2)	9.45" (24)	7.87" (20)	6.69" (17)
FSL-25 (Master carton 2 pcs.)	5.31 lbs (2.4)	16.54" (42)	10.04" (25.5)	7.68" (19.5)
FSL-25 (Single carton 1 pc.)	3.18 lbs (1.4)	11.81" (30)	9.45" (24)	7.48" (19)

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
FSL-25	1/2" thread	1814	Wide	25	700mA	120-277V	5000K	2664	106.5	6 (2.7)	Bronze
FSL-25-PCU	1/2" thread	1814	Wide	25	700mA	120-277V	5000K	2664	106.5	6 (2.7)	
FSL-25-4K	1/2" thread	1794	Wide	26	700mA	120-277V	4000K	2406	92.5	6 (2.7)	
FSL-25-4K-PCU	1/2" thread	1668	Wide	26	700mA	120-277V	4000K	2463	98.5	6 (2.7)	

ORDERING INFORMATION - MADE TO ORDER

FSL - 10L - 25 - [] - [] - [] - K - [] - [] - F

FAMILY	# LEDS	WATTS	CCT	DISTRIBUTION	VOLTAGE	MOUNTING	FINISH	CONTROL OPTION	OPTIONS
FSL FACTOR Flood Small	10L 10 LED	25 25W	3K 3000K	N 3x3	U 120V-277V	K Knuckle	DB Bronze	PC ¹ Photocontrol (voltage specified and determined by voltage field)	F ¹ Fusing 120 or 277V only (determined by voltage field)
			4K 4000K	M 4x4	1 120V		BL Black		
			5K 5000K	RM 5x4	2 208V		WH White	CD Continuous dimming	
				W 6x6	3 240V		GR Gray		
					4 277V		PS Platinum silver		
							CC Custom Color		

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
FSL-SPC	Vandal resistant polycarbonate lens (Replaces existing acrylic fixture lens)
FSL-VISOR-XX¹	Top/Bottom visor (Tap holes in lens frame for field installation)
93047942AC	Acrylic lens w/ gasket
93047957	FSL7, 25w, 120-277V Dimming driver, 1050mA
93043808	FSL10, 25w, 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.



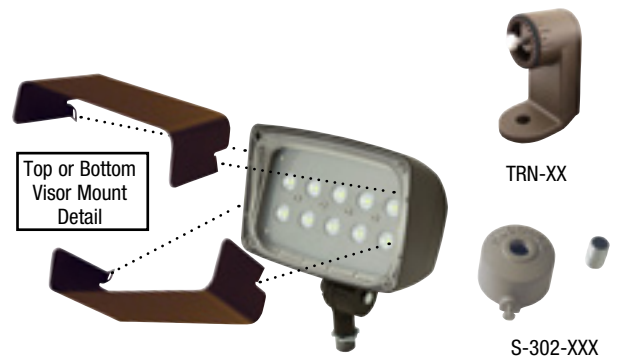
FSL-SPC



FSL-VISOR - 3/4 View



Front View



TRN-XX

S-302-XXX

PERFORMANCE DATA - MTO

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	NEMA	FIELD ANGLE H° X V°	5K (5100K nominal, 70 CRI)			4K (4200K 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
7	1050mA	26W	W	6 X 6	W	-	-	-	2406	92.5	1794	-	-	-
10	700mA	25w	N	3 x 3	32 x 32	2735	110	22259	2583	108	20172	2007	84	17546
			M	4 x 4	54 x 54	2742	109	8210	2511	105	7162	2008	84	5761
			RM	5 x 4	85 x 68	2250	88	3822	2124	89	3468	1714	71	2977
			W	6 x 6	107 x 107	2664	106.5	1814	2463	98.5	1668	1984	83	1494

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 - FSL-7					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 - FSL-10					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

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

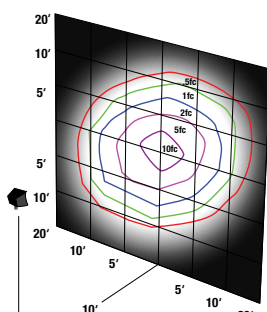
AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.99
50°C	0.98

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

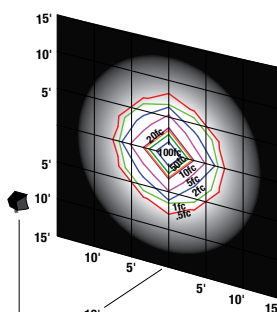
ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (W)
7	1	1050mA	120	0.23	26
			277	0.11	26
10	1	700mA	120	0.204	25
			277	0.09	25

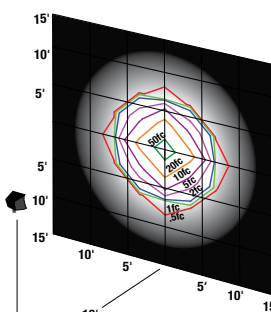
PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com



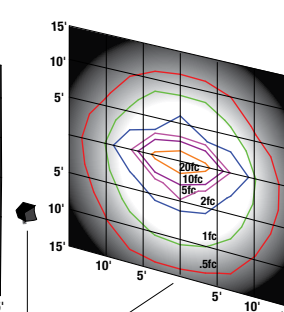
FSL7
6x6 Wide



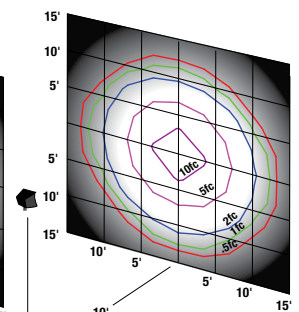
FSL10
3x3 Narrow



FSL10
4x4 Medium



FSL10
6x6 Rectangular
Medium



FSL10
6x6 Wide



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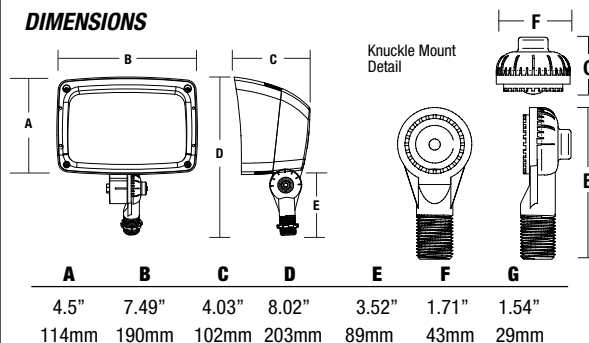
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						5K	5000K	RM	5x4	2	208V	WH	White						
								W	6x6	3	240V	GR	Gray						
										4	277V	PS	Platinum silver	CD	Continuous dimming				
							CC	Custom Color											

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93047942AC	Acrylic lens w/ gasket
93047957	FSL7, 25w, 120-277V Dimming driver, 1050mA
93043808	FSL10, 25w, 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
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TRN-XX¹	Trunnion adaptor for 1/2" threaded knuckle mount

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



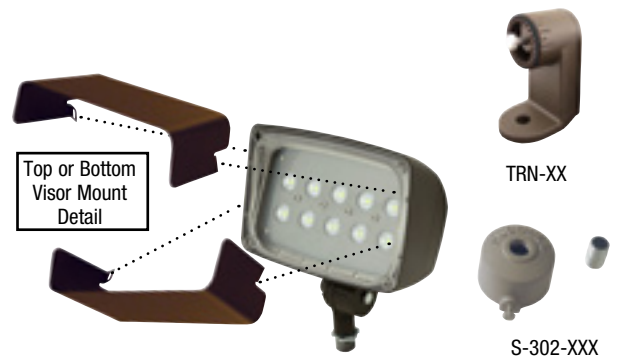
FSL-SPC



FSL-VISOR - 3/4 View



Front View



TRN-XX

S-302-XXX

PERFORMANCE DATA - MTO

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	NEMA	FIELD ANGLE H° X V°	5K (5100K nominal, 70 CRI)			4K (4200K nominal, 70 CRI)			3K (3000K nominal, 80 CRI)		
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10	700mA	25w	N	3 x 3	32 x 32	2735	110	22259	2583	108	20172	2007	84	17546
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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

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	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 - FSL-10					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

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

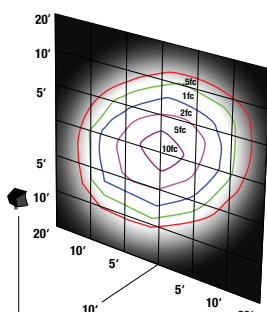
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25°C	1.00
30°C	1.00
40°C	0.99
50°C	0.98

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

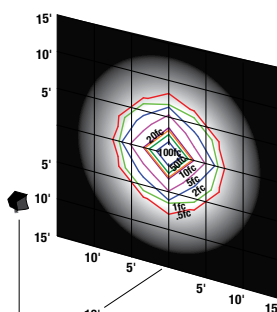
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			277	0.11	26
10	1	700mA	120	0.204	25
			277	0.09	25

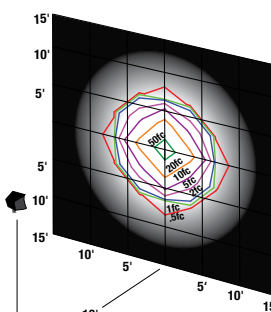
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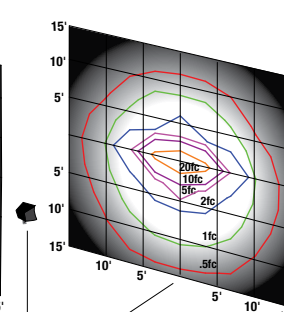
FSL7
6x6 Wide



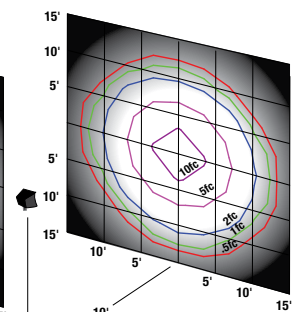
FSL10
3x3 Narrow



FSL10
4x4 Medium



FSL10
6x6 Rectangular
Medium



FSL10
6x6 Wide



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