

Factor FLL

DECORATIVE FLOOD

SPECIFICATIONS

Intended Use:

Large LED flood with beam distribution for lighting applications such as safety/security, facade, area, or signs

Construction:

- Corrosion resistant, rugged die-cast aluminum housing with powder coat paint finish
- Tempered glass lens protects LEDs and allows for cleaning/debris removal
- Vented housing isolates LED module from driver, maximizing product life and performance
- Visor and louver accessories available

LED:

- 28 high power LED's
- 42 high power LED's
- Ambient operating temperature -35°C to 40°C
- 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
- IP65 fixture, Driver IP66 and RoHS compliant
- 10KV surge protector comes standard

Optical/Electrical (Cont.)

- 0-10V dimming driver standard, continuous dimming option to have leads pulled out for easy connection (knuckle only)

Installation:

- Knuckle mount 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
- EPA = 1.0ft²
- This product qualifies as both (i) a "domestic construction material" per FAR §52.225-9 Buy American-Construction Materials and a "(COTS) item" per FAR §2.101 and (ii) a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/03/2020.

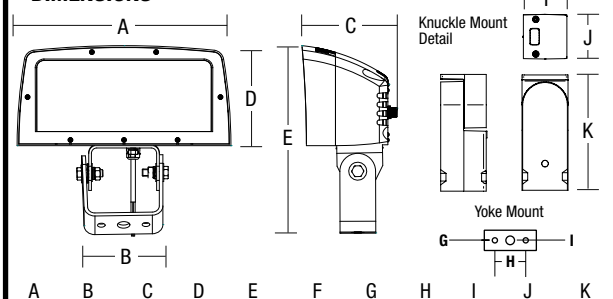
Warranty:

- 5 year warranty

PRODUCT IMAGE(S)



DIMENSIONS



A	B	C	D	E	F	G	H	I	J	K
14.9"	5.5"	6.0"	7.0	14.57"	17/32"	7/8"	3-1/8"	3.0"	2.9"	7.57"
378mm	140mm	152mm	177mm	370mm	14mm	22mm	79mm	77mm	75mm	192mm

CERTIFICATIONS/LISTINGS


IP65

See Certification Specifications

SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
FLL (Single Carton)	25 (12.3) lbs	17.72" (45)	13.0" (33)	10.00" (25.5)

Carton dimensions for shipping purposes only

ORDERING INFORMATION - MADE TO ORDER

FLL - [] - [] - [] - [] - [] - [] - [] - [] - []										
FAMILY	# LEDS	WATTS	CCT	CRI	VOLTAGE	MOUNTING	FINISH			OPTIONS
FLL FACTOR Flood Large	28L 28 LED	95 95W	3K 3000K	7 70 CRI	U 120V-277V	K Knuckle	BLT Black Matte Textured			F Fusing 120 or 277V only (determined by voltage field)
	42L 42 LED		4K 4000K	8 ² 80 CRI	1 120V	Y Yoke	BLS Black Gloss Smooth			
			5K 5000K		2 208V		DBT Dark Bronze Matte Textured			
					3 240V		DBS Dark Bronze Gloss Smooth			
					4 277V		GTT Graphite Matte Textured			
					5 ¹ 480V		LGS Light Grey Gloss Smooth			
					F ¹ 347V		PSS Platinum Silver Smooth			
							WHT White Matte Textured			
							WHS White Gloss Smooth			
							VGT Verde Green Textured			
							COLOR OPTION			
							CC Custom Color			CD ³ Continuous dimming
										CONTROL OPTION
										PC Photocontrol (voltage specified and determined by voltage field)

¹ 42L only

² Only available on 3K configurations

³ Knuckle configurations only

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ACCESSORIES & REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-XX	Bronze top visor (Tap holes in lens frame for field installation)
FLL-LOUVER-XX	Black adjustable louver
4024C	Steel slipfitter for 2" pipe, 2 3/8" OD yoke mount, bronze finish
4040	Heavy-duty steel wall/pole bracket; bronze Lektrocote®



FLL-LOUVER-BL



FLL-VISOR-XX

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
28	1050mA	96W	N	3 x 3	32° x 32°	9774	102	82593	9725	101	80544	6842	71	57764
			M	4 x 4	53° x 53°	9552	100	39244	9504	99	30867	6686	70	22889
			RM	5 x 5	84° x 86°	8971	93	15907	8926	93	14794	6279	65	10677
			W	6 x 6	107° x 107°	10576	104	7316	10330	104	7106	7000	73	4981
42	700mA	97W	N	3 x 3	32° x 32°	10860	114	91770	10263	108	85000	7473	80	63093
			M	4 x 4	53° x 53°	11400	119	46836	10335	108	33566	7654	81	26201
			RM	5 x 5	84° x 86°	9806	102	17388	8889	93	14733	6702	71	11395
			W	6 x 6	107° x 107°	10967	113	8024	10173	105	7265	7694	79	5475

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 – FLL-28L					Calculated L70 (HOURS)
	0	25,000	50,000	¹ TM-21-11 60,000	100,000	
25°C / 77°F	1.00	0.94	0.91	0.88	0.79	>149,000
40°C / 104°F	1.00	0.92	0.90	0.87	0.76	>132,000

Nichia 219B, 1080mA, 85°C

AMBIENT TEMP.	OPERATING HOURS – FLL-42L					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	>625,000
40°C / 104°F	1.00	0.96	0.94	0.93	0.90	>435,000

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (W)
28	1	1050mA	120	0.82	95
			277	0.36	95
42	1	700mA	120	.80	96
			277	.35	96

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).

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PHOTOMETRICS

