

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, louver and vandal accessories available

LED:

- 28 high power LED's (Stock/MTO)
- 42 high power LED's (MTO)
- 140 mid power LED's (Stock)
- 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
- 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
- Select Models DLC Standard and DLC Premium Qualified. Consult DLC website for more details.
- 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 52.101 and (ii) a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/03/2020.

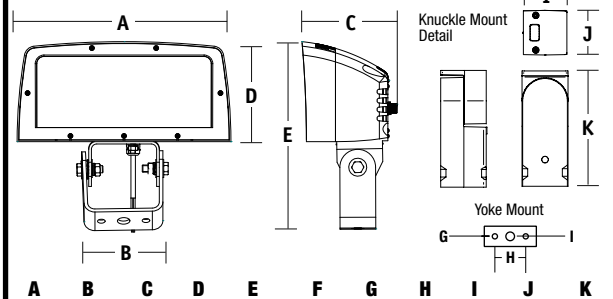
Warranty:

- 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

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 - STOCK VERSION

Catalog Number	Mount	Max Candle Power	Beam Pattern	Wattage	LED Count	Voltage	Color Temperature/CRI	Lumens	LPW	Weight lbs. (kg)	Finish
FLL-95-Y	Yoke	7789	Wide	95w	28	120-277V	5000K/70	10576	109	20 (9.0)	Bronze
FLL-95-4K-Y	Yoke	7265	Wide	95w	28	120-277V	4000K/70	10330	105	20 (9.0)	
FLL-150-4K-U-Y	Yoke	5627	Wide	150w	140	120-277V	4000K/80	14665	98	20 (9.0)	
FLL-150-5K-U-Y	Yoke	5731	Wide	150w	140	120-277V	5000K/80	14764	98.4	20 (9.0)	
FLL-150-4K-U-K	Knuckle	5627	Wide	150w	140	120-277V	4000K/80	14665	98	20 (9.0)	
FLL-150-5K-U-K	Knuckle	5731	Wide	150w	140	120-277V	5000K/80	14764	98.4	20 (9.0)	

ORDERING INFORMATION - MADE TO ORDER

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FAMILY	# LEDS	WATTS	CCT	CRI	VOLTAGE	MOUNTING	FINISH	OPTIONS
FLL FACTOR Flood Large	28L 28 LED 42L 42 LED	95 95W	3K 3000K 4K 4000K 5K 5000K	7 70 CRI 8 ² 80 CRI	U 120V-277V 1 120V 2 208V 3 240V 4 277V 5 ¹ 480V F ¹ 347V	K Knuckle Y Yoke	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured	F Fusing 120 or 277V only (determined by voltage field)
DISTRIBUTION								CONTROL OPTION
N 3x3 M 4x4 RM 5x4 W 6x6								PC Photocontrol (voltage specified and determined by voltage field) CD ³ Continuous dimming
COLOR OPTION								
CC Custom Color								

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-DB	Bronze top visor (Tap holes in lens frame for field installation)
93053186	FLL28, 95w, 120-277V Dimming driver, 1050mA (1 Qty)
93053187	FLL42, 95w, 120-277V Dimming driver, 700mA (1 Qty)
FLL-LOUVER-BL	Black adjustable louver
ARF-SPC	Polycarbonate vandal shield
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

ARF-SPC

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°C	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

AMBIENT TEMP.	OPERATING HOURS – FLL-150					Calculated L70 (HOURS)
	0	25,000	50,000	¹ TM-21-11 60,000	100,000	
25°C / 77°C	1.00	0.96	0.94	0.93	0.89	>331,000
40°C / 104°F	1.00	0.95	0.92	0.90	0.85	>237,000

Nichia NFSL757DT-V1, 150mA, 85°C

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
140	1	158mA	120	1.25	150
			277	0.54	150

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

