


FLL LED	Cat.#		 HUBBELL Outdoor Lighting
	Job	Type	

SPECIFICATIONS

Intended Use:

Large LED flood with wide beam distribution for lighting applications such as safety/security, facade, area, or signs; operating temperature of -35°C to 40°C

Construction:

- Rugged die-cast aluminum housing with dark bronze 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/Optical:

- 28 high powered LEDs deliver 9557 lumens, 5000K CCT, 70 CRI, NEMA 6x6
- 28L 95w, 1050mA, 100.6 LPW
- 120-277V operation, 50/60Hz

Installation:

- 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 included with yoke mount
- Visor, louver and vandal shield accessories available

Listings:

- IP65 fixture, driver IP66 RoHS compliant
- Listed to UL1598 for use in wet locations
- EPA = 1.0ft²

Warranty:

For more information visit:
<http://www.hubbelloutdoor.com/resources/warranty/>

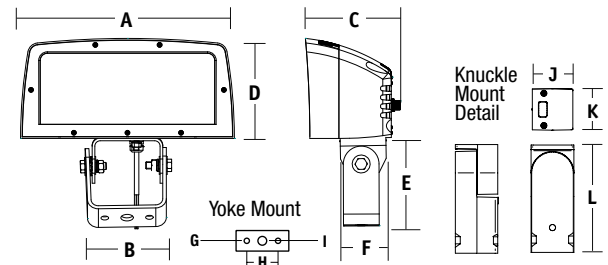
PRODUCT IMAGE(S)



FLL-28L
with Yoke



DIMENSIONS



A	B	C	D	E	F	Weight
15"	5.5"	6.0"	7.0"	6.24"	3.3"	20.6 lbs.
378 mm	140 mm	152 mm	177 mm	158 mm	84 mm	9.3 kg
G	H	I	J	K	L	
17/32"	3-1/8"	7/8"	3"	2.9"	7.57"	
14mm	79mm	22mm	77mm	75mm	192mm	

SHIPPING INFORMATION

Catalog Number	G.W.(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
FLL-28L (Single carton 1 pc.)	25 (12.3)	17.72"	13.0"	10.00"

Carton dimensions for shipping purposes only

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION

Catalog Number	Mount	Max Candle Power	Beam Pattern	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
FLL-28L	Yoke	6935	Wide	95w	1050mA	120-277V	5000K	9557	100.6	20 (9.0)

ACCESSORIES & REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-DB	Top visor (Tap holes in lens frame for field installation)
93053186	96w, 120-277V Dimming driver, 1050mA (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

# OF LEDS	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)				
				NEMA	FIELD ANGLE H° X V°	LUMENS	LPW	MAX BEAM CANDLEPOWER
28	1050mA	95W	W	6 x 6	107° x 107°	9557	100.6	6935

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, application and inherent performance tolerances of the electrical components.

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).

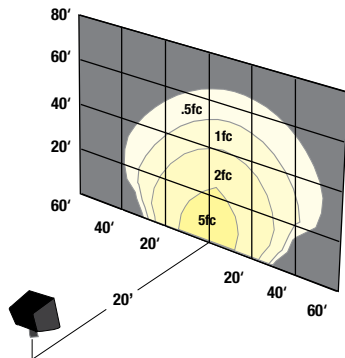
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	OPERATING HOURS					Calculated L70 (HOURS)
	0	25,000	50,000	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

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (W)
28	1	1050mA	120	0.82	100
			277	0.36	100

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



FLL-28L, 20' setback, 45 degree tilt