

FLL LED FLOODLIGHT

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

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 matte textured
- 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 powered LEDs deliver 9557 lumens, 5000K CCT, 70 CRI, NEMA 6x6
- 140L mid powered LEDs deliver over 14,600 lumens 4000K or 5000K CCT, 80 CRI, NEMA 7x7

Electrical:

- 120-277V operation, 50/60Hz
- Single driver RoHS and IP66

Installation:

- Heavy duty steel yoke with adjustable stainless steel hardware and 3' SE00W cord, mounting holes for one center - 3/4" bolt or two side - 3/8" bolts
- Knuckle mount for 2 3/8" OD tenons available in 140L 4K version
- Visor, louver and vandal shield accessories available

Listings:

- IP65 fixture
- Listed to UL1598 for use in wet locations
- EPA = 1.0ft²

Warranty:

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

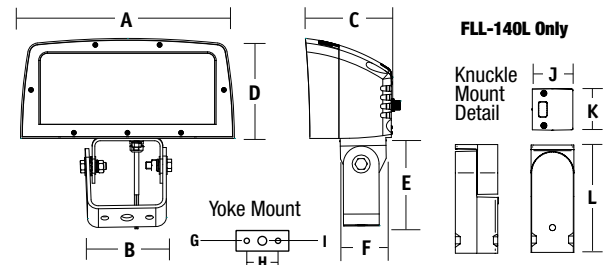
PRODUCT IMAGE(S)



FLL-28L
with Yoke

FLL-140L
with Knuckle

DIMENSIONS



A	B	C	D	E	F	Weight
15"	5.5"	6.49"	7.0"	6.24"	3.3"	20.6 lbs.
378 mm	140 mm	165 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/FLL-140L (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	# Drivers/ Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
FLL-28L	Yoke	6935	Wide	95w	1@1050mA	120-277V	5000K/70	9557	100.6	20 (9.0)
FLL-Y-140L4K-U	Yoke	5627	Wide	150w	1@158mA	120-277V	4000K/80	14665	98	20 (9.0)
FLL-Y-140L5K-U	Yoke	5731	Wide	150w	1@158mA	120-277V	5000K/80	14764	98.4	20 (9.0)
FLL-K-140L4K-U	Knuckle	5627	Wide	150w	1@158mA	120-277V	4000K/80	14665	98	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	4K (4000K nominal, 80 CRI)				5K (5000K nominal, 70 CRI)			
				NEMA	LUMENS	LPW	MAX BEAM CANDLEPOWER	LUMENS	LPW	MAX BEAM CANDLEPOWER	
28	1050mA	95W	W	6 x 6	-	-	-	9557	100.6	6935	
140 Yoke	158mA	150W	W	7 x 7	14665	98	5627	14764	98.4	5731	
140 Knuckle	158mA	150W	W	7 x 7	14665	98	5627	-	-	-	

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).

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
140	1	158mA	120	1.25	150
			277	0.54	150

PROJECTED LUMEN MAINTENANCE

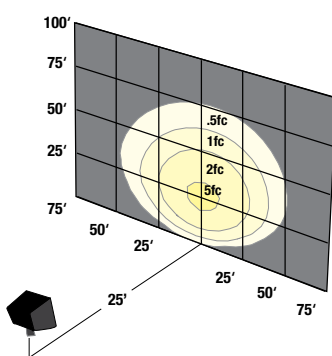
AMBIENT TEMP.	OPERATING HOURS					Calculated L70 (HOURS)
	0	25,000	50,000	¹ TM-21-11 60,000	100,000	
25°C / 77°F	1.00	0.94	0.91	0.88	0.79	>149,000
40°C / 104°F	1.00	0.92	0.90	0.87	0.76	>132,000

Nichia 219B, 1080mA, 85°C

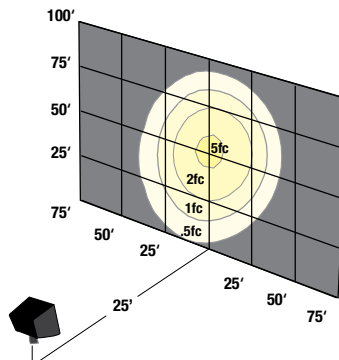
AMBIENT TEMP.	OPERATING HOURS					Calculated L70 (HOURS)
	0	25,000	50,000	¹ TM-21-11 60,000	100,000	
25°C / 77°F	1.00	0.96	0.94	0.93	0.89	>331,000
40°C / 104°F	1.00	0.95	0.92	0.90	0.85	>237,000

Nichia NFSL757DT-V1, 150mA, 85°C

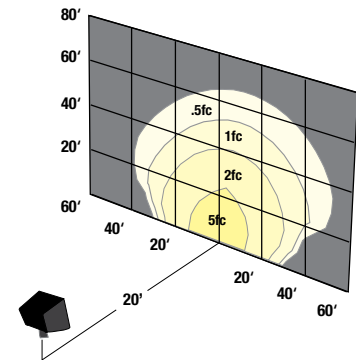
PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com



FLL-140L-5K, 25' setback straight on



FLL-140L, 25' setback, 45 degree tilt



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



HUBBELL
Outdoor Lighting

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

© 2016 HUBBELL OUTDOOR LIGHTING, All Rights Reserved • For more information visit our website: www.hubbelloutdoor.com • Printed in USA

FLL-SPEC 1/16