



LED V-Line flood light series create a powerful, customizable tool for implementing a designer's vision for high time facade lighting. With the ability to create extraordinary designs specific to the site, this powerful luminaire is extremely versatile for all lighting applications. It uses a die-casted aluminum housing, aerodynamic, and modern design. It is ideal to replace a halogen. High quality outdoor powder coat finish. Three installation ways in trunnion, slip fitter and knuckle.

TECHNICAL DATA

Wattage	26W, 38W, 52W, 80W, 100W, 120W
CRI	
Standard	70
Optional	80
CCT	3000K, 4000K, 5000K
Input Voltage	120 - 277V, 50/60Hz 347V/480V, 50/60Hz
Operating Temp.	-40°F to 104°F (-40°C to 40°C)
Driver	1 - 10V dimming ¹ - standard
Certifications	cETLus RoHS compliant Suitable for wet locations
Power Factor	>0.98 at 120V
Harmonic Distortion	<20%
Ambient Temp.	-40°F to 104°F (-40°C to 40°C)
Projected Lifetime	L70 - 109,000 Hours
Integral Suppression Protection	
26W, 38W	2KV - standard
52W, 80W, 100W, 120W	4KV - standard
IP Rating	IP65

NOTE:

1. The dimming wires are inside the fixture. If need to have access to the dimming wire, please contact Customer Service.



High quality die cast housing.



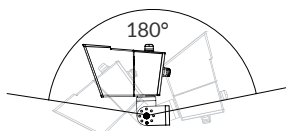
Multiple mounting options.
Trunnion, Slip Fitter & Knuckle.



Air cooling.
104°F ambient rated.



Precision construction.



180° swivel design.

FEATURES

- **Durable Construction & Materials:** Tempered glass lens ensures long-term clarity without fading or discoloration.
- **Versatile Control & Protection:** Photocontrol-ready with optional glare shield and wire guard accessories.

SPECIFICATION

Effective Project Area

26W/38W/52W EPA= 0.69 max (depending on mounting type)

80W/100W/120W EPA=0.9 max (depending on mounting type)

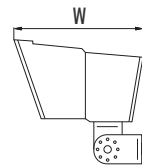
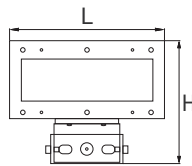
26W, 38W, 52W Trunnion

Length: 10.63"(270mm)

Width: 9.17"(233mm)

Height: 8.47"(215mm)

Max. Weight: 12.5 lbs



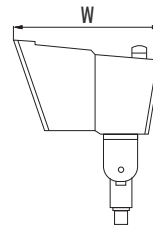
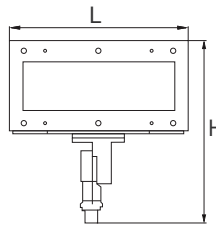
26W, 38W, 52W Knuckle

Length: 10.63"(270mm)

Width: 8.85"(225mm)

Height: 10.35"(263mm)

Max. Weight: 14 lbs



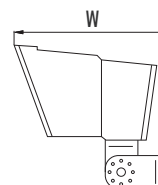
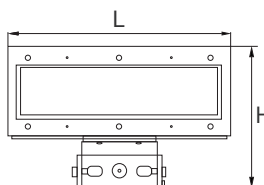
80W, 100W & 120W Trunnion

Length: 13.46"(342mm)

Width: 9.09"(231mm)

Height: 8.47"(215mm)

Max. Weight: 16.1 lbs



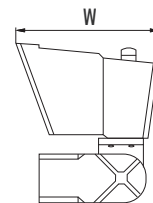
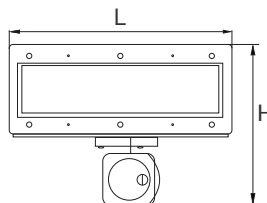
80W, 100W & 120W Slip Fitter

Length: 13.46"(342mm)

Width: 8.39"(210mm)

Height: 9.69"(246mm)

Max. Weight: 17.3 lbs





ORDERING INFORMATION

EXAMPLE: FL26504-PC-TR

FL				
Series	Wattage	CCT	Voltage	Installation
FL	26 26W	30 3000K	1 120-277V	SF Slip Fitter ²
	38 38W	40 4000K	4-PC 120V Photo Control	TR Trunnion
	52 52W	50 5000K	5-PC 277V Photo Control	KN Knuckle ³
	70 80W			
	100 100W		6 347V/ 480V ¹	
	120 120W			

NOTE:

1. 347V/480V input is not available for 26W and 38W.
2. 2-3/8" slip fitter is commonly used to 80W, 100W and 120W. Optional for 26W, 38W and 52W.
3. 1/2" knuckle is only for 26W, 38W, and 52W.
4. Standard Finish as Dark Bronze. Special Order as other finish color - Please Ask Customer Service for Details.

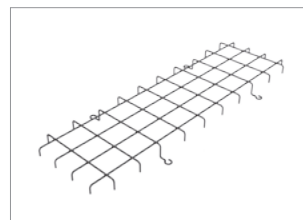
ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)


90037

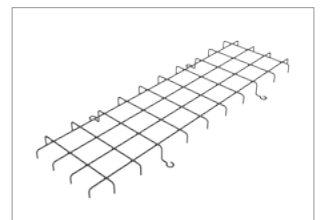
Glare shield-S1 3.5" Height
Suitable for V-line flood light
26W/38W/52W.


90038

Glare shield-L1 3.5" Height
Suitable for V-line flood light
80W/100W/120W.


90180

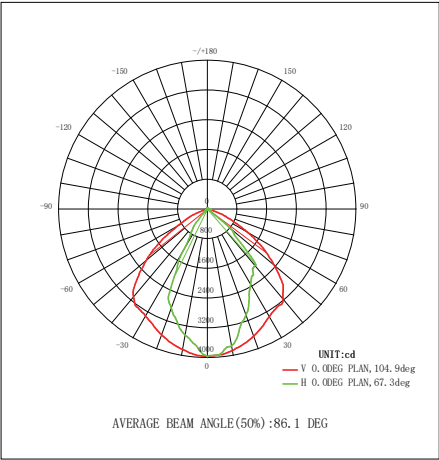
V-Line FL Wire guard-S1
Suitable for V-Line flood light
26W/38W/52W.


90181

V-Line FL Wire guard-L1
Suitable for V-Line flood light
80W/100W/120W.

PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.



PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Nominal Wattage	Lumen Output	LPW	Measured Wattage	CCT	CRI	AC Input 120V	IES Type
26W	3061lm	123	25W	5000	>70	0.24A	7Hx5V
38W	5100lm	126	41W	5000	>70	0.35A	7Hx5V
52W	6643lm	128	52W	5000	>70	0.48A	7Hx5V
80W	9619lm	121	80W	5000	>70	0.74A	7Hx5V
100W	12014lm	119	101W	5000	>70	0.91A	7Hx5V
120W	14185lm	117	121W	5000	>70	1.1A	7Hx5V

System Wattage	Max THD (%)	Power Factor (at 120 Vac)	Power Efficiency	Replaces/ Equiv. (MH)
26W	20	>0.98	85%	150W
38W	20	>0.98	88%	175W
52W	20	>0.98	90%	250W
80W	20	>0.98	92%	320W
100W	20	>0.98	92%	400W
120W	20	>0.98	92%	400W

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the LED V-line Flood Light in a 77°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

Operating Hours	0	10,000	16,000	30,000	109,000
Lumen Maintenance Factor	1.0	0.98 (L98)	0.96 (L96)	0.92 (L92)	0.70 (L70)

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperature from -40°F to 104°F (-40°C to 40°C).

Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02
10	50	1.01
20	68	1.00
25	77	1.00
30	86	1.00
40	104	0.99

INSTALLATION



Option 1:
Trunnion



Option 2:
1/2 Inch NPS Knuckle Mounting
Knuckle only for 26W, 38W, & 52W.



Option 3:
Slip Fitter
2-3/8" slip fitter is commonly used to 80W, 100W & 120W.
Optional for 26W, 38W and 52W.

BUG RATING TABLE

Performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory.

Model	BUG Rating
FL26501	B1-U1-G0
FL38501	B2-U1-G0
FL52501	B2-U1-G0
FL70501	B3-U1-G1
FL100501	B3-U1-G1
FL120501	B3-U2-G1

WARRANTY

5 years limited warranty.

Specifications subject to change without notice.

Ref#: 20251024