Affordability. Versatility. Now available in 80W.

5 wattages.
3 beam spreads.
3 mounting options.
1 floodlight family.

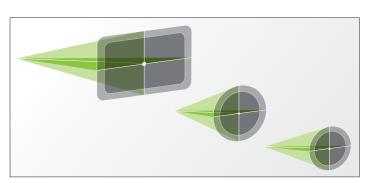# FFLED®

- Replace 70W to 250W metal halide floods
- Available in 18W, 26W, 39W, 52W and 80W
- NEMA Type 7x6 beam spread (4x4 or 5x5 distributions also available*)
- Ultra efficient: up to 112 lumens per Watt
- Swivel arm, trunnion mount and slipfitter mount options*
- 100,000-Hour LED lifespan

Three mounting options: standard swivel arm, trunnion or slipfitter.*

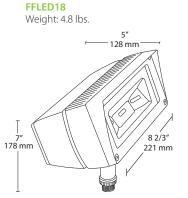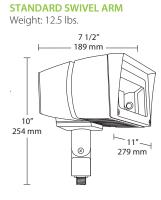Three NEMA Types: 7x6, 5x5 and 4x4 for various beam spreads.*

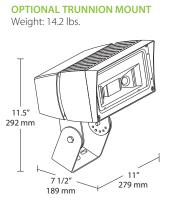Patent-pending Air-Flow fins keep FFLEDs running cool.

The FFLED family is ultra efficient, performing at up to 112 lm/W.

Not available for 18W models.

Dimensions and weight

FFLED18
Weight: 4.8 lbs.

5"
128 mm

7"
178 mm

8 2/3"
221 mm

STANDARD SWIVEL ARM
Weight: 12.5 lbs.

7 1/2"
189 mm

10"
254 mm

11"
279 mm

OPTIONAL TRUNNION MOUNT
Weight: 14.2 lbs.

11.5"
292 mm

7 1/2"
189 mm

11"
279 mm

OPTIONAL SLIPFITTER MOUNT
Weight: 14.2 lbs.

12.5"
318 mm

7 1/2"
189 mm

11"
279 mm

Photometrics

FFLED 18W - 7H x 6V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #RAB01466

Mounting Height	8	10	12	15	18	20
Multiplier	3.5	2.3	1.6	1.0	0.7	0.6

Grid scales: Multiples of mounting height
Values shown in footcandles

FFLED 26W - 7H x 6V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #ITL82112

FFLED 26W - 5H x 5V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #ITL82214

FFLED 26W - 4H x 4V
15' Mounting Height, Aimed 30° Below Horizon
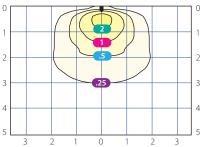*Photometric Report # ITL82232*

FFLED 39W - 7H x 6V
15' Mounting Height, Aimed 30° Below Horizon
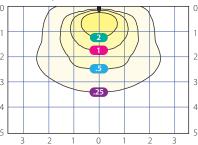*Photometric Report #ITL79398*

FFLED 39W - 5H x 5V
15' Mounting Height, Aimed 30° Below Horizon
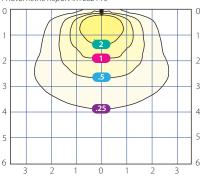*Photometric Report #ITL82217*

FFLED 39W - 4H x 4V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #ITL82235

FFLED 52W - 7H x 6V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #ITL82115

FFLED 52W - 5H x 5V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #ITL82220

FFLED 52W - 4H x 4V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #ITL82238

FFLED 80W - 7H x 6V
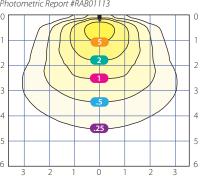15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #RAB01113
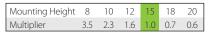

FFLED 80W - 5H x 5V
15' Mounting Height, Aimed 30° Below Horizon
Photometric Report #RAB01092

FFLED 80W - 4H x 4V
15' Mounting Height, Aimed 30° Below Horizon
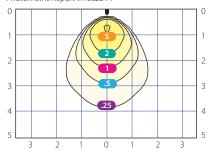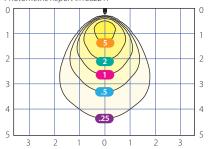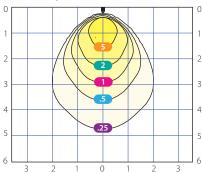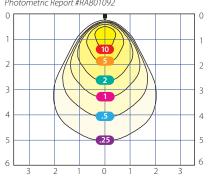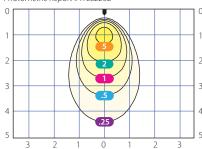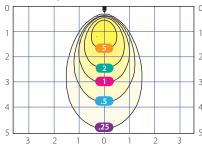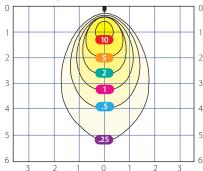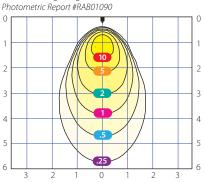*Photometric Report #RAB01090*

FFLED® Specifications

UL Listing: Suitable for wet locations. Suitable for ground mounting.

LED: Multi-chip, high-output, long-life LEDs

Lifespan: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Drivers:

18W: Constant Current, Class 2, 100-277V, 50/60 Hz, 6 kV surge protection, 120V: 0.17 A, 208V: 0.1 A, 240V: 0.09 A, 277V: 0.08 A

26W: Constant Current, Class 2, 100-277V, 50/60 Hz, 6 kV surge protection, 120V: 0.24 A, 208V: 0.15 A, 240V: 0.13 A, 277V: 0.11 A, 480V: 0.06 A

39W: Constant Current, Class 2, 100-277V, 50/60 Hz, 6 kV surge protection, 120V: 0.35 A, 208V: 0.20 A, 240V: 0.18 A, 277V: 0.15 A, 480V: 0.08 A

52W: Constant Current, Class 2, 100-277V, 50/60 Hz, 6 kV surge protection, 120V: 0.45 A, 208V: 0.27 A, 240V: 0.24 A, 277V: 0.21 A, 480V: 0.13 A

80W: Constant Current, Class 2, 100-277V, 50/60 Hz, 6 kV surge protection, 120V: 0.74 A, 208V: 0.48 A, 240V: 0.41 A, 277V: 0.36 A

Equivalencies: 18W replaces 70W MH, 26W replaces 100W MH, 39W replaces 150W MH, 52W replaces 200W MH, 80W replaces 250W MH *(based on 5000K performance)*

5000K Color Temperature

Nominal Watts @120V	18W	26W	39W	52W	80W
Input Watts*	20	29	42	58	87
Output Lumens*	2429	4087	5753	7597	10382
Lumens Per Watt*	123	143	142	131	120
Color Accuracy (CRI)*	71	75	75	75	72

4000K Color Temperature

Nominal Watts @120V	18W	26W	39W	52W	80W
Input Watts*	20	28	42	58	86
Output Lumens*	2416	4043	5641	7610	10508
Lumens Per Watt*	123	143	134	130	123
Color Accuracy (CRI)*	82	75	75	74	74

3000K Color Temperature

Nominal Watts @120V	18W	26W	39W	52W	80W
Input Watts*	19	28	42	58	85
Output Lumens*	2069	3952	5518	7332	10012
Lumens Per Watt*	107	140	132	126	117
Color Accuracy (CRI)*	83	71	72	71	71

* Values shown for 7H x 6V NEMA Type only. Visit rabweb.com for 5H x 5V and 4H x 4V performance.

Dimming: 18, 26, 39, 52 and 80W: Available as On/Off or with 0-10V dimming.

Cold Weather Starting: The minimum starting temperature is -40°C.

Thermal Management: Superior heat sinking with external Air-Flow fins

Housing: Die-cast aluminum housing, lens frame and mounting arm

Reflector: 18W: Semi-specular anodized aluminum, **26, 39, 52 and 80W:** specular polycarbonate.

NEMA Type: Standard 7H x 6V. 5H x 5V and 4H x 4V available for 26, 39, 52 and 80W models.

Mounting: Heavy-duty mounting arm with "O" ring seal & stainless steel screws. Trunnion and slipfitter mounts also available for 26, 39, 52 and 80W models.

Gaskets: High-temperature silicone gaskets

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Color Stability: LED color temperature warrantied not to shift more than 200K in CCT in 5 years

Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Green Technology: Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

California Title 24: FFLED18 and FFLED26 equipped with a photocell comply with 2013 California Title 24 building and electrical codes as commercial outdoor non-pole-mounted fixtures <30 Watts. FFLED39, FFLED52 and FFLED80 equipped with a 0-10V driver comply with 2013 California Title 24 building and electrical codes as commercial outdoor non-pole-mounted fixtures >30 Watts mounted up to 24 feet when used with the RAB Stealth Dimmer. Use catalog code STLDIM10 to order a Stealth Dimmer module.

* Values shown for 7H x 6V NEMA Type only. Visit rabweb.com for 5H x 5V and 4H x 4V performance.

Ordering information

Product Family	Wattage	Color Temp	Finish	Driver	Emergency Options	Photocell Options	Suffix
FFLED	18						

Wattage		Color Temp		Finish		Driver		Emergency Options		Photocell Options		Suffix	
18	18W	**Blank**	5000K	**Blank**	Bronze	**Blank**	120-277Vac	**Blank**	No option	**Blank**	No option	**Blank**	No option
		N	4000K	**W**	White		0-10V Dimming	**/E***	Emergency Battery 120-277 Vac Only	**/PCU**	120-277Vac Button Photocell	**USA**	BAA Compliant
		Y	3000K					**/EC***	Low Temp Emergency Battery available 120-277 Vac only	**/PCS**	120 Vac Swivel Photocell		
										/PCS2	277Vac Swivel Photocell		
										/MS**	Mini Sensor SMS500		
										/STL3**	Stealth 360° Sensor		

Product Family	Wattage		Mounting		Color Temp		NEMA Type		Finish		Driver Options		Photocell Options	
FFLED	**26**	26W	**Blank**	Swivel arm	**Blank**	5000K	**Blank**	7H x 6V	**Blank**	Bronze	**Blank**	On/Off	**Blank**	No Option
	39	39W	**SF**	Slipfitter	**N**	4000K	**B55**	5H x 5V	**W**	White	**/D10**	0-10V Dimming	**/PC**	120V Photocell
	52	52W	**T**	Trunnion	**Y**	3000K	**B44**	4H x 4V			**/480**	480V On/Off *	**/PC2**	277V Photocell
	80	80W											**/PCS**	120V Swivel Photocell
													/PCS2	277V Swivel Photocell *
													/PCS4	480V Swivel Photocell

*Available for 18W only.
**Available for 18W only. Includes mounting plate CU4x CU4A = Bronze, CU4W = White