

**HOWARD**



LIGHTING SOLUTIONS



# Utility Flood

November 9, 2017

UTILITY LIGHTING PRODUCTS

## HOWARD Lighting's "New" 3<sup>rd</sup> generation LED Flood for Utility Applications

Our "NEW" **Utility Flood** (UF) offers utility customers the ability to stock one LED fixture to replace 250w, 400w and 1000w HID floods. The following is a quick wattage and lumen reference for our "NEW" Utility Flood (UF) with our AOU (Adjustable Output Unit).

Input Watts	Optic	AOU Setting	4000K (CCT)		3000K (CCT)	
			Lumens	Lm/W	Lumens	Lm/W
72	7x6	1	13000	180.56	11000	152.78
98	7x6	2	15800	161.22	13300	135.71
124	7x6	3	18400	148.39	15600	125.81
151	7x6	4	20800	137.75	17600	116.56
180	7x6	5	23100	128.33	19500	108.33
211	7x6	6	26800	127.01	22700	107.58
242	7x6	7	28700	118.60	24300	100.41
271	7x6	8	30400	112.18	25700	94.83



**Features:** The driver compartment is secured with thumbscrews for easy access to the driver, surge suppressor, and terminal block. This flood has our Adjustable Output Unit (AOU) that allows the installer to select a wide range of output settings to meet the required wattage, illuminance level and lumens per watt required for the application. The AOU simplifies inventory not only in your warehouse but also on the service trucks.

**Construction:**

- Heavy duty die-cast aluminum housing
- Corrosion resistant (stainless steel) hardware
- Thumb-screw entry
- Three (3) station terminal block 14 to 6 AWG
- Wrap-around yoke standard or optional slip-fitter (fits 2-3/8" – 3" O.D. tenon)
- IP66 rated optical chamber
- Self-cleaning heat sink

**Electrical:**


- Driver power factor is 90% minimum
- Driver maximum THD of 20%
- Driver voltage 120-277v (50/60Hz)
- 0-10v dimming driver is standard with 7 pin photo control receptacle
- Electronic driver has an expected life of 100,000 hours at 25C ambient.
- Standard NEMA 7-pin twist lock photo control receptacle
- Standard with 20kV/20kA surge protection (meets or exceeds ANSI/IEEE62.41)
- Suitable for ambient temperatures from -40C to +45C
- 86% lumen maintenance greater than 36,000 hours per IESNA TM-21

**Optical:**

- IP66 rated optics enclosure
- Glass lens
- Standard 4000K (optional 3000K)
- 70 CRI
- Type 7x6 NEMA distribution
- Optional visor shield


LED Utility Flood

**UF - LED UTILITY FLOOD**



**Utility Flood**  
LED Flood / Area Lighting

The UF is an LED energy saving cost-effective solution to replace 250, 400 and 1000 watt HID (HPS & MH) flood lights.



**Features:** The driver compartment is secured with thumbscrews for easy access to the driver, surge suppressor, and terminal block. The optical compartment is IP66 rated to prevent the ingress of water. An optional glare-shield is available. This flood has an optional Adjustable Output Unit (AOU) that allows the installer to a wide range of output settings to meet the required wattage, illuminance level, and lumens per watt. The AOU simplifies the installer's inventory and allows for customization to the jobsite needs.

**Construction:**

- Heavy duty die-cast aluminum housing
- Corrosion resistant (stainless steel) hardware
- Thumb-screw entry
- Three (3) station terminal block 14 to 6 AWG
- Wrap-around yoke standard or optional slip-fitter
- IP66 rated optical chamber
- Self cleaning heat sink

**Optical:**

- IP66 rated optics enclosure
- Glass lens
- Standard 4000K (optional 3000K)
- 70 CRI
- Type 7x6 NEMA distribution
- Optional visor shield

**Performance Ratings:**

Input Wattage	Lumen Output
270W	30000Lm

**Electrical:**

- Driver power factor is 90% minimum
- Driver maximum THD of 20%
- Driver voltage 120-277v (50/60Hz), non-dimming standard with 3 pin photo control receptacle
- 0-10v dimming driver is standard with 7 pin photo control receptacle
- Electronic driver has an expected life of 100,000 hours at 25C ambient.
- Standard NEMA 3-pin twist lock photo control receptacle
- Optional NEMA 7-pin twist lock photo control receptacle
- Standard with 10kV/10kA surge protection (meets or exceeds ANSI/IEEE62.41)
- Suitable for ambient temperatures from -40C to +45C
- 86% lumen maintenance greater than 36,000 hours per IESNA TM-21

**Certification Ratings:**

- UL, cUL listed, suitable for wet locations
- IP66 fixture and optical enclosure (per ANSI C136.25-2009)
- LM79/LM80 testing
- RoHS compliant

**Warranty:**

- 5 year standard warranty

**Options:**

- 20kV/20kA surge protector
- Long-Life photocontrol
- Slip-fitter mount with internal wiring or external cord
- Visor shield

09-07-2017

Howard Lighting Products | 580 Eashley Drive | Laurel, MS 39443  
(toll free) 800.358.3456 | (direct) 601.422.0033 | (fax) 601.422.1052  
www.HowardLightingProducts.com

**Certification Ratings:**

- UL, cUL listed, suitable for wet locations
- DLC Listed
- IP66 fixture and optical enclosure (per ANSI C136.25-2009)
- LM79/LM80 testing
- RoHS compliant

**Warranty:**

- 5 year standard warranty

WARRANTY	UF-UTILITY LED FLOOD	<b>HOWARD</b> LIGHTING PRODUCTS
Effective Date: November.11th,2017		
<b>UF - UTILITY LED FLOOD LUMINAIRES 10 YEAR LIMITED WARRANTY</b>		
<p>This limited warranty is provided by Howard Industries, Inc. the company described as below ("Seller") to you as the original purchaser of the LED lighting product that is identified on Seller's invoice reflecting its original purchase(the "Product").The Seller is Howard Industries, Inc., Lighting Products Division identified as such on the invoice. This limited warranty may be transferred to the subsequent purchasers of the Product, provided that such Product is resold in new condition and in its original packaging. Seller warrants that the Product, when delivered in new condition and in its original packaging, will be free of defects in material and workmanship for a period of TEN (10) YEARS from the date of original purchase. The determination of whether the Product is defective shall be made by Seller in its sole discretion with consideration given to the overall performance of the Product. A Product shall not be considered defective solely as a result of the failure of individual LED components to emit light if the number of inoperable components in less than 10% of the total number of LED components in the Product.</p>	<p>its sole discretion, and warranted for the remainder of the original warranty period. In order to make a warranty claim, you must notify Seller in writing within sixty (60) days after your discovery of the defect, provide proof of purchase such as the invoice and comply with Seller's other warranty requirements. Upon receiving that notice, Seller may require you to promptly return the Product to the Seller, or its authorized service provider, freight prepaid. Your warranty claim should be addressed to Howard Industries Inc., Lighting Products Division. This limited warranty only applies to specified LED fixtures.</p>	
<p>If Seller determines the Product is defective, Seller will elect, in its sole discretion, to refund you the purchase price of the Product, repair the Product or replace the Product. This limited warranty may not apply to loss or damage to the Product caused by: negligence; abuse; misuse; mishandling; improper installation, storage or maintenance ;damage due to fire or acts of God; vandalism; civil disturbances; power surges; improper power supply; electrical current fluctuations; corrosive environment installations; induced vibration;harmonic oscillation or resonance, associated with movement of air currents around the Product; alteration; accident; failure to follow installation, operating, maintenance or environmental instructions prescribed by Seller or applicable electrical codes; or improper service of the Product performed by someone other than Seller or its authorized service provider. This limited warranty excludes field labor and service charges related to the repair or replacement of the Product. THIS LIMITED WARRANTY IS VOID IF THE PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH IT IS DESIGNED.</p>	<p>THE FOREGOING WARRANTY PROVISIONS ARE EXCLUSIVE AND ARE GIVEN AND ACCEPTED IN LIEU OF AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY AGAINST INFRINGEMENT AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR</p>	
<p>Seller reserves the right to utilize new, reconditioned , refurbished, repaired or remanufactured products or parts in the warranty repair or replacement process. Such products and parts will be comparable in function and performance to an original product or part, as determined by Seller in</p>	<p>FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL, COMPENSATORY,CONSEQUENTIAL, INDIRECT,SPECIAL OR OTHER DAMAGES. SELLER'S AGGREGATE LIABILITY WITH RESPECT TO A DEFECTIVE PRODUCT SHALL IN ANY EVENT BE LIMITED TO THE MONIES PAID TO SELLER FOR THAT DEFECTIVE PRODUCT.</p>	
<p>Specifications subject to change without notice.</p>	<p>This warranty is effective for purchases of Product on or after the effective date set forth below. Seller reserves the right to modify this warranty from to time. Any modification of this warranty shall be effective for all orders placed with Seller on or after the effective date of such revised warranty.</p>	
<p>Howard Lighting Products   580 Eastview Drive   Laurel, MS 39443 (toll free) 800.956.3456   (direct) 601.422.0033   (fax) 601.422.1652 www.HowardLightingProducts.com</p>	<p>Should at any time within the stated ten year period from date of manufacture any appearance of defect in material or workmanship appear, purchaser must notify Howard Industries, Inc. by calling 1-800-956-3456 or (601) 422-0033. Written notice may be mailed to Howard Industries, Inc., Lighting Products Division, PO Box 1590, Laurel, MS 39441 or by fax at (601) 422-1652.</p>	
<p>As a condition to qualify for refund of original LED fixture purchase price or replacement under the provisions of this limited warranty, defective product must be available for return to Howard Industries, Inc. at its request for inspection and test analysis. Prior written approval for return must be obtained from the factory.</p>	<p>As a condition to qualify for refund of original LED fixture purchase price or replacement under the provisions of this limited warranty, defective product must be available for return to Howard Industries, Inc. at its request for inspection and test analysis. Prior written approval for return must be obtained from the factory.</p>	

**Standard competitive features not offered as standard from competitors:**

- 20kV/20kA surge
- 7' of 14/3 awg cord
- 0-10v Dimming Driver
- Seven (7) pin photo control receptacle
- Adjustable Output Unit to allow flexibility for wattage/lumens



Input Watts	Optic	AOU Setting	4000K (CCT)		3000K (CCT)	
			Lumens	Lm/W	Lumens	Lm/W
72	7x6	1	13000	180.56	11000	152.78
98	7x6	2	15800	161.22	13300	135.71
124	7x6	3	18400	148.39	15600	125.81
151	7x6	4	20800	137.75	17600	116.56
180	7x6	5	23100	128.33	19500	108.33
211	7x6	6	26800	127.01	22700	107.58
242	7x6	7	28700	118.60	24300	100.41
271	7x6	8	30400	112.18	25700	94.83



## LED Utility Flood Competitive Review

Mft.	Model #	HID Equivalent	Wattage	Lumens	lm/W	CCT	CRI	Ltg Distribution	Voltage	Seven (7) Pin ANSI Receptacle (Y/N)	UL (Y/N)	DLC (Y/N)	Dimensions (In.) W x H x D	Weight (lbs.)	Effective Projected Area (EPA)	Mounting Options 2" - 3" (2 3/8" - 3" OD) Arms	Warranty
Cooper/Eaton	UFLD-S-C70-D-U-66-T-BZ-4N7	50w HID	20	2,682	134.1	4000	70	6 X 6	120-277	Y	Y	Y	8.22" x 9.63" x 7.5"	13	0.55	Y	5
GE	EFN A 0 AW 5 40 A S GRAY DRP	70-100w HID	46	4,360	94.8	4000	70	Wide Flood	120-277	Y	Y	Y	16.669" x 23.341" x 5.8"	21	0.43	Y	5
Cooper/Eaton	UFLD-S-C15-D-U-66-T-BZ-4N7	70-100w HID	51	5,797	113.7	4000	70	6 X 6	120-277	Y	Y	Y	8.22" x 9.63" x 7.5"	13	0.55	Y	5
American Electric (AEL)	APOLEDPK1MVOLTWFL40KYKBZSDP10KVILPER70643	100-150w HID	49	6,000	122.4	4000	70	6 X 6	120-277	Y	Y	Y	20.74" x 17.2" x 8.65"	30	1.76	Y	5
GE	EFN A 0 BW 5 40 A S GRAY DRP	100-150w HID	65	6,440	99.1	4000	70	Wide Flood	120-277	Y	Y	Y	16.669" x 23.341" x 5.8"	21	0.43	Y	5
GE	EFN A 0 CW 5 40 A S GRAY DRP	150-200w HID	85	8,390	98.7	4000	70	Wide Flood	120-277	Y	Y	Y	16.669" x 23.341" x 5.8"	21	0.43	Y	5
Howard	ULF 2HE 550 M BZ	150-200w HID	77	8,795	114.3	5000	70	Type V Flood	120-277	N	Y	Y	16" x 20.7" x 5"	N/A	N/A	N	5
American Electric (AEL)	APOLEDPK2MVOLTWFL40KYKBZSDP10KVILPER70643	150-200w HID	79	10,000	126.6	4000	70	6 X 6	120-277	Y	Y	Y	20.74" x 17.2" x 8.65"	30	1.76	Y	5
GE	EFN A 0 DW 5 40 A S GRAY DRP	150-200w HID	104	10,300	99.0	4000	70	Wide Flood	120-277	Y	Y	Y	16.669" x 23.341" x 5.8"	21	0.43	Y	5
Cooper/Eaton	UFLD-C25-D-U-66-Y-BZ-4N7	150-200w HID	85	10,530	123.9	4000	70	6 X 6	120-277	Y	Y	Y	15.94" x 14" x 8.69"	20	1.25	Y	5
GE	EFN A 0 EW 5 40 A S GRAY DRP	250-320w HID	123	12,130	98.6	4000	70	Wide Flood	120-277	Y	Y	Y	16.669" x 23.341" x 5.8"	21	0.43	Y	5
Howard	ULF 3HE 550 M BZ	250-320w HID	115	12,548	109.0	5000	70	Type V Flood	120-277	N	Y	Y	16" x 20.7" x 5"	N/A	N/A	N	5
Howard	UFAMV74YB2R7N A-1	250-320w HID	72	13,000	180.6	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
American Electric (AEL)	APOLEDPK3MVOLTWFL40KYKBZSDP10KVILPER70643	250-320w HID	119	14,000	117.6	4000	70	6 X 6	120-277	Y	Y	Y	20.74" x 17.2" x 8.65"	30	1.76	Y	5
GE	EFN A 0 FW 5 40 A S GRAY DRP	320-400w HID	148	14,400	97.3	4000	70	Wide Flood	120-277	Y	Y	Y	16.669" x 23.341" x 5.8"	21	0.43	Y	5
Howard	ULF 3HL 550 M BZ	320-400w HID	147	14,850	100.9	5000	70	Type V Flood	120-277	N	Y	Y	16" x 20.7" x 5"	N/A	N/A	N	5
Howard	UFAMV74YB2R7N A-2	320-400w HID	98	15,800	161.2	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
Cooper/Eaton	UFLD-C40-D-U-66-Y-BZ-4N7	320-400w HID	128	16,932	132.3	4000	70	6 X 6	120-277	Y	Y	Y	15.94" x 14" x 8.69"	20	1.25	Y	5
Howard	ULF 4HE 550 M BZ	320-400w HID	173	17,180	99.1	5000	70	Type V Flood	120-277	N	Y	Y	16" x 20.7" x 5"	N/A	N/A	N	5
American Electric (AEL)	APOLEDPK4MVOLTWFL40KYKBZSDP10KVILPER70643	320-400w HID	150	18,000	120.0	4000	70	6 X 6	120-277	Y	Y	Y	20.74" x 17.2" x 8.65"	30	1.76	Y	5
Howard	UFAMV74YB2R7N A-3	320-400w HID	124	18,400	148.4	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
GE	EFH1 01 0 AA 66 7 40 A T1 DKBZ R	320-400w HID	150	18,600	124.0	4000	70	6 X 6	120-277	Y	Y	Y	20" X 23.72" X 4.851"	35	1.79	Y	5
Howard	ULF 4HL 550 M BZ	320-400w HID	235	19,365	82.3	5000	70	Type V Flood	120-277	N	Y	Y	16" x 20.7" x 5"	N/A	N/A	N	5
Howard	UFAMV74YB2R7N A-4	320-400w HID	151	20,800	137.7	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
American Electric (AEL)	ACP1LED410AMVOLT664KYKBZ0643P7	320-400w HID	177	21,635	122.2	4000	70	6 X 6	120-277	Y	Y	Y	27.59" x 18.51" x 10.44"	47	3.1	Y	5
American Electric (AEL)	APOLEDPK5MVOLTWFL40KYKBZSDP10KVILPER70643	320-400w HID	199	22,000	110.6	4000	70	6 X 6	120-277	Y	Y	Y	20.74" x 17.2" x 8.65"	30	1.76	Y	5
Howard	UFAMV74YB2R7N A-5	320-400w HID	180	23,100	128.3	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
GE	EFH1 01 0 BB 66 7 40 A T1 DKBZ R	400-750w HID	194	25,900	133.5	4000	70	6 X 6	120-277	Y	Y	Y	20" X 23.72" X 4.851"	35	1.79	Y	5
Cooper/Eaton	UFLD-L-C75-D-U-66-Y-BZ-4N7	400-750w HID	179	25,942	144.9	4000	70	6 X 6	120-277	Y	Y	Y	19" x 22.20" x 8.69"	52	2.5	Y	5
Howard	UFAMV74YB2R7N A-6	400-750w HID	211	26,800	127.0	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
American Electric (AEL)	ACP1LED510AMVOLT664KYKBZ0643P7	400-750w HID	219	26,919	122.9	4000	70	6 X 6	120-277	Y	Y	Y	27.59" x 18.51" x 10.44"	47	3.1	Y	5
GE	EFH1 01 0 CC 66 7 40 A T1 DKBZ R	400-750w HID	218	28,700	131.7	4000	70	6 X 6	120-277	Y	Y	Y	20" X 23.72" X 4.851"	35	1.79	Y	5
Howard	UFAMV74YB2R7N A-7	400-750w HID	242	28,700	118.6	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
Howard	UFAMV74YB2R7N A-8	750-1000w HID	271	30,400	112.2	4000	70	7 x 6	120-277	Y	Y	Pending	20.1" x 22.1" x 6.7"	31.6	1.2	Y	5
American Electric (AEL)	ACP1LED610AMVOLT664KYKBZ0643P7	750-1000w HID	261	32,003	122.6	4000	70	6 X 6	120-277	Y	Y	Y	27.59" x 18.51" x 10.44"	47	3.1	Y	5
GE	EFH1 01 0 DD 66 7 40 A T1 DKBZ R	750-1000w HID	266	33,500	125.9	4000	70	6 X 6	120-277	Y	Y	Y	20" X 23.72" X 4.851"	35	1.79	Y	5
Cooper/Eaton	UFLD-L-C100-D-U-66-Y-BZ-4N7	750-1000w HID	252	33,941	134.7	4000	70	6 X 6	120-277	Y	Y	Y	19" x 22.20" x 8.69"	52	2.5	Y	5
GE	EFH1 01 0 EE 66 7 40 A T1 DKBZ R	750-1000w HID	297	37,400	125.9	4000	70	6 X 6	120-277	Y	Y	Y	20" X 23.72" X 4.851"	35	1.79	Y	5
American Electric (AEL)	ACP2LED710AMVOLT664KYKBZ0643P7	750-1000w HID	307	37,898	123.4	4000	70	6 X 6	120-277	Y	Y	Y	26.5" x 20.8" x 10.6"	65	3.8	Y	5
American Electric (AEL)	ACP2LED810AMVOLT664KYKBZ0643P7	1000w HID	349	43,546	124.8	4000	70	6 X 6	120-277	Y	Y	Y	26.5" x 20.8" x 10.6"	65	3.8	Y	5
American Electric (AEL)	ACP2LED910AMVOLT664KYKBZ0643P7	1000w HID	391	48,004	122.8	4000	70	6 X 6	120-277	Y	Y	Y	26.5" x 20.8" x 10.6"	65	3.8	Y	5

\* Howard Model # subject to change



For more information on our “New” Utility Flood (UF) or other Howard Lighting products, contact the Howard Lighting (Utility/DOT) regional manager in your area or our customer service team.

**West Utility Region**

Kathy Eaton  
Western Regional Manager  
Utility/DOT Lighting  
601.470.2981  
keaton@howard.com

**East Utility Region**

Derral Ward  
Vice President, Sales & Marketing  
678.641.2984  
dward@howard.com

**Customer Service**  
Fax: 601.422.1652

Kim Brewer | kbrewer@howard.com  
601.422.1659  
VA, KY, OH, IN, MI, WV, MD, DE,  
PA, NY, NJ, CT, RI, VT, NH, ME, IL, E. MO

Terri Temple | ttemple@howard.com  
601.422.1678  
GA, SC, NC, TN, MS, AL, AR, LA

Hope Simon | hsimon@howard.com  
601.422.1604  
CA, NV, AZ, NM, TX, OK, WA, OR, ID, MT, CO, WY, UT,  
KS, W.MO, NE, IA, MN, WI, ND, SD, HI, AK

Cindy Waldrep | cwaldrep@howard.com  
601.422.1654  
FL, National ESCO/OEM

**Central Utility Region**

Marcus Yahnke  
Central Regional Manager  
Utility/DOT Lighting  
601.577.4230  
myahnke@howard.com

Vice President, Sales & Marketing  
Derral Ward  
678.641.2984  
dward@howard.com