

Catalog Number	
Notes	Type

# HEXF1

Explosion Proof LED Low Bay



### FEATURES

- High Lumen output up to 150 Lm/W
- Thermal Shock and impact resistant lens
- Anti-corrosion housing tested 1,000 hrs.
- Mounting: Wall (Flood), Pole, Ceiling, and Pendant

### INTENDED USE

The HEXF1 is an explosion proof light fixture designed for use in environments where flammable vapors, gases or combustible dusts are ALWAYS present. Typical applications include chemical processing, grain processing, metals and mining, oil, gas, and water treatment plants.

### CONSTRUCTION

- Copper-free aluminum housing
- Clear or frosted tempered glass lens
- Powder coat black
- Single 3/4" NPT Hub / Pendant Mount is standard
- Weight: 12 lbs.
- All exposed fasteners are stainless steel

### ELECTRICAL

- 120-277 / 347-480VAC
- 10Kv surge protector built in - Standard
- 3Ft. 3-Wire whip standard, factory installed

### CERTIFICATIONS AND STANDARDS

- UL844 / CSA-C22.2 No.137 (Hazardous)
  - CI D1 Grps B,C,D
  - CI D2 Grps A,B,C,D
  - CII D1, Grps E,F,G
  - CII D2, Grps F,G
  - CIII
  - Simultaneous Presence
  - Paint Spray Listed
  - T-Codes: See table below
- -40°C to 55°C Ambient (3000LM - 8000LM)
- UL1598 / CSA-C22.2 No.250 (Wet/Damp)
- UL1598A (Marine Outside)
- IP66 & IP67 & IK08
- Lumen Maintenance (L70) >60,000 hrs. (reported)

### OPTICAL

- CRI >70
- Clear tempered or diffused glass lenses available
- Three distributions: NEMA type 2 (25 degrees), 3 (40 degrees and 5 (110 degrees)
- Up to 150Lm/Watt
- Two available CCT: 4000K and 5000K
- FCC

### WARRANTY

5-year limited warranty on the fixture. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. The product images shown are for illustration purposes only and may not be an exact representation of the product. Specifications subject to change without notice.

## ORDERING INFORMATION

**Example:** HEXF1 P1 MV 4K T2M CL MISC

Series	LED Performance Package	Voltage	Color Temperature	Optics	Lens
HEXF1	P1 3,000 nominal Lumens at 4000K CCT ‡	MV Multiple voltage (120V - 277V)	4K 4000K CCT	T2M Type II medium ‡	CL Clear glass lens
	P2 5,300 nominal Lumens at 4000K CCT ‡	HV 347V/480V	5K 5000K CCT	T3W Type III medium ‡	FG Diffused glass lens
	P3 6,450 nominal Lumens at 4000K CCT ‡			T5M Type V medium	MISC Mex
	P4 7,470 nominal Lumens at 4000K CCT ‡				

NOTE: ‡ indicates option chosen has ordering restrictions.

Accessories: Order as separate catalog number.	
HEXF1YK	Yoke Mount Kit
HEXF1WG	Wire guard
HEXF5F	Slip Fitter Mount Bracket

‡ Option Value Ordering Restrictions & Notes	
Option value	Restriction
P1, P2, P4	Available with MV option only.
P3	Available with HV option only.
T2M, T3W	Available with CL lens option only.

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## Performance

Lumen Package	Voltage (VAC) 50/60Hz	Input Current (A)	Wattage (W)	CCT	Lumens* (Lm)			
					T2M CL	T3M CL	T5M CL	T5M FG
P1	120-277	.18 - .08	21	2,700K	3,150	2,960	3280	2470
				4,000K	3,270	3,230	3400	2760
				5,000K	3,360	3,210	4220	2820
P2	120-277	.33 - .14	40	2,700K	5,830	5,450	6040	4860
				4,000K	5,940	5,270	6250	5050
				5,000K	6,160	5,990	6500	5200
P3	347-480	.14 - .10	50	2,700K	6,760	6,400	7050	5690
				4,000K	6,970	6,450	7290	5880
				5,000K	6,950	6,520	7180	5880
P4	120-277	.50 - .21	60	2,700K	7,600	7,250	8060	6480
				4,000K	7,900	7,470	8380	6770
				5,000K	8,110	7,840	8510	7130

\*Nominal values

T-Code Summary				
Ambient Operating (°C)	-40°C to 55°C			54°C
Optimal Operating (°C)	25°C			
	21W	40W	50W	60W
CID1	T6	T6	T6	T5
CID2	T4A	T4	T4A	T4
CID1	T6	T6	T6	T5

Accessories: Order separately, field installed			
Part Number	Description		
HEXF1YK	Yoke Mount Kit (Yoke Angle Adjustable) Includes aluminum yoke and mounting hardware		
HEXF1WG	Wire Guard (Stainless Steel) Includes wire guard and (4) M4 screws		
HEXSF	Slip Fitter Mount Bracket (Powder Coated Black) Fits 2 3/8" (60mm) Outside Diameter Stanchion		<p>Note: HEXF1YK is required if ordering HEXSF</p>

\*Note: Stainless steel accessories not suitable for use in paint spray applications

## DIMENSIONS

