

# HLE SERIES

EXPLOSION PROOF

Cat. #		Approvals
Job	Type	



### APPLICATIONS

- For use in classified areas such as paint manufacturing, munitions facilities, chemical and petrochemical, oil & gas production, and marine loading terminals.

### SPECIFICATIONS

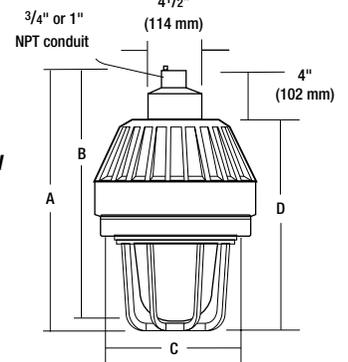
- Compact size for medium base incandescent and HID lamps, plus twin fluorescent (lamp provided).
- Mounting choices of pendant, ceiling, 25° stanchion or 90° wall mount with “wireless” design for quick installation.
- Factory sealed – no external seal required.
- Available with guard, standard dome or 25° reflector, or exit sign.
- Housing, Mounting adapter and Guard are copper-free (<0.4%) aluminum with powder polyester finish, electrostatically applied.
- Hardware is 316 stainless steel.
- Reflectors are fiberglass reinforced polyester.

### LISTINGS

- UL844 Standard: Class I, Division 1, Groups C, D; Class II, Div 1 & 2, Groups E, F, G; Class III, Division 1 & 2.
- UL1598A Marine Outdoor.
- NEMA 3, 4, 4X, 7 (C, D), 9 (E, F, G).
- UL1598 Wet Location.



### PENDANT



MORE DIMENSIONS ON  
PAGE 2

	A	B	C	D
HLEMI / HLEBF	14 <sup>5</sup> / <sub>16</sub> "	13 <sup>11</sup> / <sub>16</sub> "	7 <sup>7</sup> / <sub>16</sub> "	10 <sup>5</sup> / <sub>16</sub> "
	364 mm	348 mm	189 mm	262 mm
HLEMH / HLEMM /	15 <sup>15</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>16</sub> "	8 <sup>13</sup> / <sub>16</sub> "	11 <sup>15</sup> / <sub>16</sub> "
HLEMS / HLESX	405 mm	383 mm	224 mm	303 mm

## ORDERING INFORMATION

ORDERING EXAMPLE: HLE-M-S-07-Q-A2-G



SERIES	VOLTAGE (@ 60Hz)
HLE HLE Series XP	1 120V
	4 277V
LAMP BASE	MOUNT
M Medium Base	A2 3/4" Pendant
B Bi-Pin Base	A3 1" Pendant
Q Quad Pin Base	X2 3/4" Ceiling
	X3 1" Ceiling
	B2 3/4" Bracket
	B3 1" Bracket
	D4 1 1/4" Stanchion
	D5 1 1/2" Stanchion
SOURCE	GUARD
I Incandescent	G With Guard
F Fluorescent	(Omit G if Guard is not required)
S High Pressure Sodium	OPTIONS
H Metal Halide	ML UL Marine listing for HLEMI
	Standard on HLEMS, HLEMM, HLEMH
	Not available on HLEBF, HLEQF
	SU103 <sup>1</sup> Assembled with Lamp
	<small>1 Not available with incandescent</small>
WATTAGE	
15 150 watt A-21, INC	
20 300 watt PS-25, INC	
30 300 watt PS-30, INC	
13 (1) 13 watt Bi-Pin FLUOR	
26 (2) 13 watt Bi-Pin EBF or (1) Quad-Pin EQF 26 Watt FLUOR	
32 Quad-Pin FLUOR	
42 Quad-Pin FLUOR	
52 Quad-Pin FLUOR (2x26)	
64 Quad-Pin FLUOR (2x32)	
84 Quad-Pin FLUOR (2x42)	
35 35W, HPS	
05 50W, HPS, MH	
07 70W, HPS, MH	
10 100W, HPS, MH	
15 150W, HPS	

### ACCESSORIES

(order as separate part #)

Catalog Number	Description
HLEMG1	Guard for incandescent (PS-25) & fluorescent
HLEMG2	Guard for HID lamp sources & incandescent (PS-30)
HLEBSD15	Standard Dome Reflector for incandescent & fluorescent
HLEBSD30	Dome Reflector for HID lamp sources
HLEA15	Angle Reflector for incandescent & fluorescent
ERA30	Angle Reflector for HID lamp sources
HEXA-100	Triangular Exit Sign; fits HLEMI15, HLEMI20, HLEBF Series, without guard
HLH-G	Green Inner Globe Kit fits HLEMI20 (fits over A-21, 150W lamp only)
HLH-R	Red Inner Globe Kit fits HLEMI20 (fits over A-21, 150W lamp only)

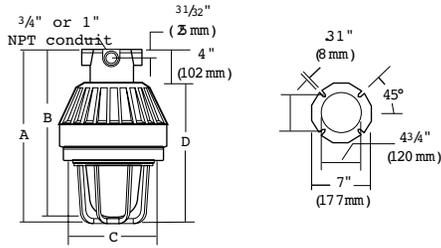
### COMPONENTS

Catalog Number	Description	Catalog Number	Description
MOUNTING ADAPTERS		HOUSING & GLOBE	
HLEZA2	3/4" Pendant	HLEMI15	150W max. Incandescent
HLEZA3	1" Pendant	HLEMI20	300W max. Incandescent (PS-25)
HLEZB2	3/4" Wall	HLEMI30	300W max. Incandescent (PS-30)
HLEZB3	1" Wall	HLEBF13X <sup>1</sup>	1-13W PL Fluorescent
HLEZD4	1 1/4" Stanchion	HLEBF26X <sup>1</sup>	2-13W PL Fluorescent
HLEZD5	1 1/2" Stanchion	HLEMS070	70W HPS Quad-Tap <sup>®</sup>
HLEZX2	3/4" Ceiling	HLEMS100	100W HPS Quad-Tap <sup>®</sup>
HLEZX3	1" Ceiling	HLEMS151	150W HPS 120V
		HLEMH070	70W MH Quad-Tap <sup>®</sup>
		HLEMH100	100W MH Quad-Tap <sup>®</sup>

1 Replace X with 1=120V, 4=277V.

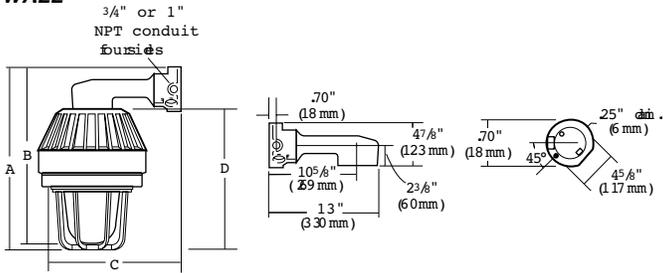
**DIMENSIONS**

**CEILING**



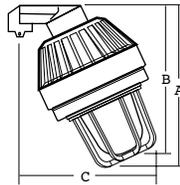
	A	B	C	D
<b>HLEMI / HLEBF</b>	14 <sup>5</sup> / <sub>16</sub> " 364 mm	13 <sup>11</sup> / <sub>16</sub> " 348 mm	7 <sup>7</sup> / <sub>16</sub> " 189 mm	10 <sup>5</sup> / <sub>16</sub> " 262 mm
<b>HLEMH / HLEMM / HLEMS / HLESX</b>	14 <sup>5</sup> / <sub>16</sub> " 405 mm	13 <sup>11</sup> / <sub>16</sub> " 383 mm	7 <sup>7</sup> / <sub>16</sub> " 224 mm	10 <sup>5</sup> / <sub>16</sub> " 303 mm

**WALL**



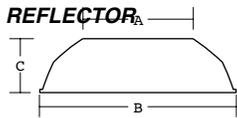
	A	B	C	D
<b>HLEMI / HLEBF</b>	15 <sup>13</sup> / <sub>16</sub> " 402 mm	14 <sup>7</sup> / <sub>16</sub> " 367 mm	14 <sup>1</sup> / <sub>2</sub> " 368 mm	10 <sup>5</sup> / <sub>16</sub> " 262 mm
<b>HLEMH / HLEMM / HLEMS / HLESX</b>	16 <sup>13</sup> / <sub>16</sub> " 427 mm	15 <sup>15</sup> / <sub>16</sub> " 405 mm	15" 381 mm	11 <sup>15</sup> / <sub>16</sub> " 303 mm

**STANCHION**



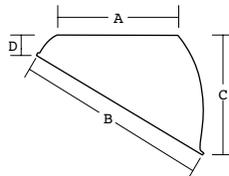
	A	B	C
<b>HLEMI / HLEBF</b>	14" 356 mm	13 <sup>1</sup> / <sub>4</sub> " 337 mm	13" 330 mm
<b>HLEMH / HLEMM / HLEMS / HLESX</b>	15 <sup>1</sup> / <sub>8</sub> " 384 mm	14" 356 mm	13 <sup>1</sup> / <sub>2</sub> " 343 mm

**STANDARD DOME REFLECTOR**



	A	B	C
<b>HLEMI / HLEBF</b>	7 <sup>3</sup> / <sub>8</sub> " 187 mm	14" 356 mm	3 <sup>3</sup> / <sub>4</sub> " 95 mm
<b>HLEMH / HLEMM / HLEMS</b>	8 <sup>3</sup> / <sub>4</sub> " 222 mm	16 <sup>1</sup> / <sub>8</sub> " 410 mm	3 <sup>15</sup> / <sub>16</sub> " 100 mm

**ANGLE DOME REFLECTOR**



	A	B	C	D
<b>HLEMI / HLEBF</b>	7" 178 mm	11 <sup>1</sup> / <sub>2</sub> " 292 mm	7 <sup>3</sup> / <sub>4</sub> " 197 mm	1" 25 mm
<b>HLEMH / HLEMM / HLEMS</b>	8 <sup>3</sup> / <sub>4</sub> " 222 mm	14 <sup>3</sup> / <sub>16</sub> " 360 mm	7 <sup>3</sup> / <sub>4</sub> " 197 mm	1" 25 mm

**TEMPERATURE CODES**

**CLASS I, DIVISION 1 & 2 HLE SERIES HAZARDOUS LOCATION APPLICATION DATA**

FIXTURE SERIES <sup>1</sup>	LAMP TYPE/ SIZE MAX.	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS I, DIV. 1 & 2 maximum surface temp w/o reflector		UL/CSA GROUPS	UL 595 LISTED <sup>2</sup>	PAINT SPRAY SUITABILITY (HOSE-DOWN) <sup>2</sup> UL	TYPE 4
					TEMP I.D.	ACTUAL TEMP.				
HLEMI15	INC. A-19	60	40	75	T6	79	C, D	Yes	No	Yes
HLEMI15	INC. A-19	75	40	75	T4A	103	C, D	Yes	No	Yes
HLEMI15	INC. A-19	100	40	75	T4A	103	C, D	Yes	No	Yes
HLEMI15	INC. A-21	100	40	75	T4A	101	C, D	Yes	No	Yes
HLEMI15	INC. A-21	150	40	75	T4	123	C, D	Yes	No	Yes
HLEMI20	INC. A-23	100	40	90	T4A	107	C, D	Yes	No	Yes
HLEMI20	INC. A-23	150	40	90	T4	132	C, D	Yes	No	Yes
HLEMI20	INC.PS-25	150	40	90	T4	126	C, D	Yes	No	Yes
HLEMI20	INC. A-23	200	40	90	T3C	146	C, D	Yes	No	Yes
HLEMI20	INC. PS-25	200	40	90	T3C	154	C, D	Yes	No	Yes
HLEMI20	INC. PS-25	300	40	90	T3	190	C, D	Yes	No	Yes
HLEBF13	FL (1) PL	13	40	75	T6	62	C, D	No	Yes	Yes
HLEBF26	FL (2) PL	26	40	75	T6	62	C, D	No	Yes	Yes
HLEMS070	HPS S-62	70	40	75	T6	83	C, D	Yes	Yes	Yes
HLEMS100	HPS S-54	100	40	75	T5	99	C, D	Yes	No	Yes
HLEMS150	HPS S-55	150	40	75	T4A	119	C, D	Yes	No	Yes
HLEMH070	MH M-98	70	40	75	T5	95	C, D	Yes	Yes	Yes
HLEMH100	MH M-90	100	40	75	T4A	101	C, D	Yes	No	Yes

1 Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.  
 2 For UL 1598A Marine Outdoor and UL/CSA Type 4 Fixture Label, add suffix ML to fixture catalog number.  
 NOTE: Fixtures approved for mounting with lamp base up only.

**CLASS II, DIVISION 1 & 2 HLE SERIES HAZARDOUS LOCATION APPLICATION DATA**

FIXTURE SERIES <sup>1</sup>	LAMP TYPE/ SIZE MAX.	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS II, DIV. 1 & 2 maximum surface temp		UL/CSA GROUPS	CLASS III DIV. 1 & 2 UL/CSA SUITABILITY	
					UL/CSA w/ Reflector TEMP I.D.	UL/CSA w/o Reflector ACTUAL TEMP.			
HLEMI15	INC. A-19	60	40	75	T3C	132	T3C	E, F, G	Yes
HLEMI15	INC. A-19	75	40	75	T3A	163	T3A	E, F	No
HLEMI15	INC. A-19	100	40	75	T3A	163	T3A	E, F	No
HLEMI15	INC. A-21	100	40	75	T3A	172	T3A	E, F	No
HLEMI15	INC. A-21	150	40	75	N/A	192	T3	E, F	No
HLEMI20	INC. A-23	100	40	90	T3A	166	T3A	E, F	No
HLEMI20	INC. A-23	150	40	90	T3	196	T3A	E, F	No
HLEMI20	INC.PS-25	150	40	90	N/A	N/A	N/A	No	No
HLEMI20	INC. A-23	200	40	90	N/A	N/A	N/A	No	No
HLEMI20	INC. PS-25	200	40	90	N/A	N/A	N/A	No	No
HLEMI20	INC. PS-25	300	40	90	N/A	N/A	N/A	No	No
HLEBF13	FL (1) PL	13	40	75	T6	69	T6	E, F, G	Yes
HLEBF26	FL (2) PL <sup>2</sup>	26	40	75	T6	69	T6	E, F, G	Yes
HLEMS070	HPS S-62	70	40	75	T4A	116	T4A	E, F, G	Yes
HLEMS100	HPS S-54	100	40	75	T3B	161	T3B	E, F, G	Yes
HLEMS150	HPS S-55	150	40	75	T3B	180	T3B	E, F	No
HLEMH070	MH M-98	70	40	75	T4	121	T4	E, F, G	Yes
HLEMH100	MH M-90	100	40	75	T3C	150	T3C	E, F, G	Yes

1 Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.  
 2 13 watts per lamp.  
 NOTE: Fixtures approved for mounting with lamp base up only.