

# HLEZ SERIES

MOGUL BASE  
EXPLOSION PROOF

Cat. #		Approvals
Job	Type	



### APPLICATIONS

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

### SPECIFICATIONS

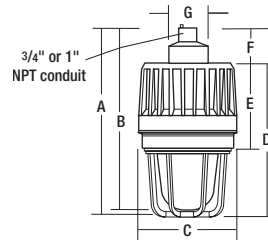
- Compact size for mogul base HID lamps.
- Mounting choices of pendant, ceiling, 25° stanchion or 90° wall mount with “wireless” design for quick installation.
- Factory sealed – no external seal required.
- Available with guard, standard dome or 25° reflector.
- Housing and mounting adapter are copper-free (<0.4%) die cast aluminum with powder polyester finish, electrostatically applied.
- Guard EZG1 is copper-free die-cast aluminum; VMAG-40 is plated steel.
- Hardware is 316 stainless steel.
- Reflectors are fiberglass-reinforced polyester or spun aluminum (deep dome) with white powder polyester finish.

### LISTINGS

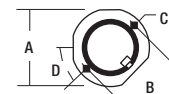
- UL844 Standard: Class I, Division 1, Groups C, D; Class II, Div 1 & 2, Groups E, F, G; Class III, Division 1 & 2.
- UL1598A Marine Outdoor.
- NEMA 3, 4, 4X, 7 (C, D), 9 (E, F, G).
- UL1598 Wet Location.



PENDANT



PENDANT MOUNTING HUB



A	B	C	D
5 1/4"	4 5/8"	1/4" diam	45°
133 mm	117 mm	6 mm	-

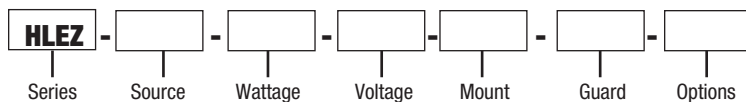
	A	B	C	D	E	F	G
<b>70-250<sup>1</sup></b>	22"	21 1/4"	11 1/4"	18"	10 1/2"	4"	4 1/2"
	558 mm	539 mm	285 mm	457 mm	267 mm	102 mm	114 mm
<b>250-400<sup>2</sup></b>	26 1/4"	24 1/4"	11 1/4"	22 1/4"	10 1/2"	4"	4 1/2"
	666 mm	615 mm	285 mm	565 mm	267 mm	102 mm	114 mm

1 70, 100, and 150 watt HPS; 175 and 250 watt MH; 100, 175, 250 watt MV.  
2 250 and 400 watt HPS and 400 watt MH and MV.

### MORE DIMENSIONS ON BACK

## ORDERING INFORMATION

ORDERING EXAMPLE: HLEZ-H-17-0-A2-G-Q



### SERIES

**HLEZ** HLEZ™ Series

### SOURCE

**S** High Pressure Sodium  
**H** Metal Halide<sup>1</sup>  
**P** Pulse Start Metal Halide

### WATTAGE

**05** 50 watt HPS  
**07** 70 watt HPS, MH  
**10** 100 watt HPS, MH  
**15** 150 watt HPS  
**17** 175 watt MHP  
**25** 250 watt HPS, MHP  
**32** 320 watt MHP  
**35** 350 watt MHP  
**40** 400 watt HPS, MHP

### VOLTAGE

**0** Quadri-Volt 60 Hz (120/208/240/277V)  
**5** 480V 60 Hz  
**6** Tri-Tap® Canada 60 Hz (120/277/347V) 60 Hz  
**8** 220/240V 50 Hz  
**9** Special (specify)

### MOUNT

**A2** 3/4" Pendant  
**A3** 1" Pendant  
**X2** 3/4" Ceiling  
**X3** 1" Ceiling  
**B2** 3/4" Bracket  
**B3** 1" Bracket  
**D4** 1 1/4" Stanchion  
**D5** 1 1/2" Stanchion

### GUARD

**G** With Guard (omit G if guard not req'd)

### OPTIONS

**Q** Auxiliary Quartz Standby  
**R** Instant Restrike (150W HPS max.)  
**BP** Ballast Protector  
**PS** Paint Spray (50, 70, 100W HPS; 100W MV; 70, 100W MH)  
**SU103** Assembled with lamp

<sup>1</sup>NOTE: For emergency unit see HLEBB Series in the Dual Life section of PSG5.

<sup>2</sup>Due to EISA standard, MH from 150W to 500W in only available outside of USA.

### ACCESSORIES & REPLACEMENT PARTS

(order as separate part #)

#### REPLACEMENT GLOBE & GLOBE SUPPORT ASSEMBLIES

Catalog Number	Series	Lamp Type	Wattage	
<b>HLEZGS1</b>	HLEZS	HPS	50, 70, 100, 150	
	HLEZM	MV	100, 175, 250	
	HLEZH	MH	70, 100, 175, 250	
	HLEZH	MHP	175, 250	
<b>HLEZGS2</b>	HLEZS	HPS	250, 400	
	HLEZM	MV	400	
	HLEZH	MH	400	
	HLEZH	MHP	320, 350, 400	

#### GUARDS

Catalog Number	Series	Lamp Type	Wattage	
<b>HLEZG1</b>	HLEZS	HPS	70, 100, 150	
	HLEZM	MV	100, 175, 250	
	HLEZH	MH	175, 250	
	HLEZH	MHP	175, 250	
<b>VMAG-40S</b>	HLEZS	HPS	250, 400	
	HLEZM	MV	400	
	HLEZH	MH	400	
	HLEZH	MHP	320, 350, 400	

NOTE: HLEZG1 Guard is cast aluminum. VMAG-40 Guard is plated steel.

#### REPLACEMENT CONNECTION BLOCKS

Catalog Number	Description	
<b>HLEZTB</b>	Female	

#### MOUNTING BOXES

Catalog Number	Mounting	Hub Size
<b>HLEZA2</b>	Pendant Mount	3/4"
<b>HLEZA3</b>	Pendant Mount	1"
<b>HLEZX2</b>	Ceiling Mount	3/4"
<b>HLEZX3</b>	Ceiling Mount	1"
<b>HLEZB2</b>	Bracket Mount	3/4"
<b>HLEZB3</b>	Bracket Mount	1"
<b>HLEZD4</b>	Stanchion Mount	1 1/4"
<b>HLE305</b>	Stanchion Mount	1 1/2"

**ORDERING INFORMATION**

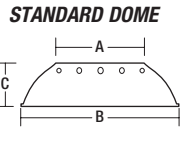
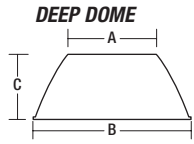
**BALLAST, GLOBE & GLASS SUPPORT ASSEMBLIES**

Catalog Number	Watts	Catalog Number	Watts	Catalog Number	Watts
<b>HLEZS07X</b>	70	<b>HLEZS40X</b>	400	<b>HLEZP35X</b>	350
<b>HLEZS10X</b>	100	<b>HLEZP17X</b>	175	<b>HLEZP40X</b>	400
<b>HLEZS15X</b>	150	<b>HLEZP25X</b>	250		
<b>HLEZS25X</b>	250	<b>HLEZP32X</b>	320		

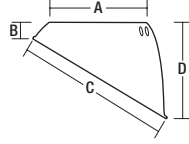
**REFLECTORS**

Catalog Number	Description
<b>KPSD-40</b>	Standard Dome, polyester reinforced fiberglass
<b>KPA-40</b>	Angle Dome, polyester reinforced fiberglass
<b>HRD400</b>	Deep Dome, baked white enamel aluminum

**DIMENSIONS**

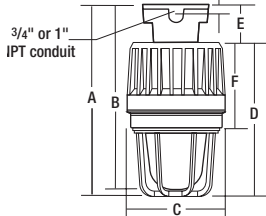


**ANGLE DOME**

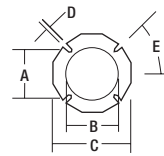


A	B	C	A	B	C	A	B	C	D
97/8"	205/8"	103/4"	101/4"	167/8"	51/2"	101/4"	21/2"	167/8"	105/8"
250 mm	525 mm	273 mm	260 mm	428 mm	139 mm	260 mm	63 mm	428 mm	270 mm

**CEILING**

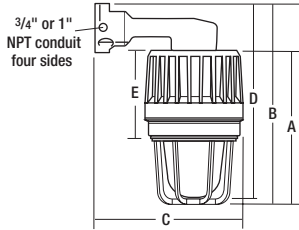


**CEILING MOUNTING HUB**

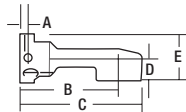


	A	B	C	D	E	F	G	A	B	C	D	E
<b>70-250<sup>1</sup></b>	22"	211/4"	111/4"	18"	4"	101/2"	31/32"	41/4"	43/4"	7"	5/16" diam	45°
	558 mm	539 mm	285 mm	457 mm	102 mm	267 mm	25 mm	107 mm	120 mm	177 mm	8 mm	-
<b>250-400<sup>2</sup></b>	261/4"	241/4"	111/4"	221/4"	4"	101/2"	31/32"					
	666 mm	615 mm	285 mm	565 mm	102 mm	267 mm	25 mm					

**BRACKET ARM**

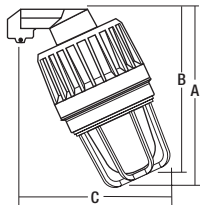


**BRACKET MOUNTING HUB**

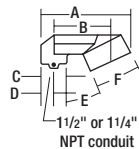


	A	B	C	D	E	A	B	C	D	E
<b>70-250<sup>1</sup></b>	227/8"	221/8"	163/4"	18"	101/2"	23/32"	105/8"	13"	23/8"	47/8"
	580 mm	561 mm	425 mm	457 mm	267 mm	18 mm	269 mm	330 mm	60 mm	123 mm
<b>250-400<sup>2</sup></b>	267/8"	247/8"	163/4"	221/4"	101/2"					
	682 mm	631 mm	425 mm	565 mm	267 mm					

**25° STANCHION**



**STANCHION MOUNTING HUB**



	A	B	C	A	B	C	D	E	F
<b>70-250<sup>1</sup></b>	247/8"	24"	19"	95/8"	61/4"	25/8"	15/16"	25°	43/4"
	631 mm	609 mm	503 mm	244 mm	158 mm	66 mm	33 mm	-	120 mm
<b>250-400<sup>2</sup></b>	281/2"	2623/32"	211/2"						
	724 mm	678 mm	546 mm						

<sup>1</sup> 70, 100, and 150 watt HPS; 175 and 250 watt MH; 100, 175, 250 watt MV.

<sup>2</sup> 250 and 400 watt HPS and 400 watt MH and MV.

**TEMPERATURE CODES**

**FIXTURE SERIES: HLEZ - PULSE START METAL HALIDE, CLASS I, DIVISION 1 & 2**

LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN	CLASS I, DIVISION 1 & 2 MAXIMUM SURFACE TEMP. UL/CSA				UL 595 MARINE	UL PAINT SPRAY SUITABILITY <sup>4</sup>
			TEMP. ID W/O QTZ	TEMP. ID W/ QTZ <sup>1</sup>	UL/CSA GROUPS			
70	40	85	T4A	N/A	C, D	Yes	Yes	
70	55	85	T4A	N/A	C, D	Yes	No	
70	65	85	T4A	N/A	C, D	Yes	No	
100	40	85	T4A	N/A	C, D	Yes	Yes	
100	55	85	T4A	N/A	C, D	Yes	No	
100	65	85	T4A	N/A	C, D	Yes	No	
175	40	85	T4	T3C	C, D	Yes	No	
175	55	85	T4	N/A	C, D	Yes	No	
250	40	85	T3C	T3C	C, D	Yes	No	
250	55	85	T3C	N/A	C, D	Yes	No	
400	40	85	T3A	T3A	C, D	Yes	No	

**FIXTURE SERIES: HLEZ - PULSE START METAL HALIDE, CLASS II, DIVISION 1 & 2, CLASS III, DIVISION 1 & 2**

LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN	CLASS II, DIVISION 1 & 2 MAXIMUM SURFACE TEMP. UL/CSA				CLASS III, DIV 1 & 2 UL/CSA SUITABILITY	
			TEMP. ID W/O QTZ	TEMP. ID W/ QTZ <sup>3</sup>	UL/CSA GROUPS W/O QTZ	UL/CSA GROUPS W/QTZ <sup>2</sup>	W/O QTZ	W/QTZ <sup>2</sup>
70	40	85	T4A	N/A	E, F	Yes	Yes	No
70	55	85	T4A	N/A	E, F, G	Yes	Yes	No
70	65	85	T4A	N/A	E, F	Yes	Yes	No
100	40	85	T4A	N/A	E, F, G	Yes	Yes	No
100	55	85	T4	N/A	E, F, G	Yes	Yes	No
100	65	85	T3C	N/A	E, F, G	Yes	Yes	No
175	40	85	T3C <sup>2</sup>	T3A <sup>2</sup>	E, F, G	E,F	Yes	Yes
175	55	85	T3C <sup>2</sup>	N/A	E, F, G	N/A	Yes	No
250	40	85	N/A	N/A	N/A	N/A	No	No
400	40	85	N/A	N/A	N/A	N/A	No	No

**TEMPERATURE CODES**

**FIXTURE SERIES: HLEZ - HIGH PRESSURE SODIUM, CLASS I, DIVISION 1 & 2**

LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN	CLASS I, DIVISION 1 & 2						
			MAXIMUM SURFACE TEMP. NEC/CEC		UL/CSA GROUPS		UL 1598 MARINE	UL/CSA TYPE <sup>3</sup> (RAINTIGHT)	UL PAINT SPRAY SUITABILITY <sup>4</sup>
			TEMP. ID W/O QTZ	TEMP. ID W/ QTZ <sup>1</sup>					
70	40	85	T5	T4	C, D	Yes	Yes	Yes	
70	55	85	T5	N/A	C, D	Yes	Yes	No	
70	65	85	T4A	N/A	C, D	Yes	Yes	No	
100	40	85	T5	T4	C, D	Yes	Yes	Yes	
100	55	85	T5	N/A	C, D	Yes	Yes	No	
100	65	85	T4A	N/A	C, D	Yes	Yes	No	
150	40	85	T4A	T4	C, D	Yes	Yes	No	
150	55	85	T4A	N/A	C, D	Yes	Yes	No	
150	65	85	T4	N/A	C, D	Yes	Yes	No	
250	40	85	T3C	T3C	C, D	Yes	Yes	No	
250	55	85	T3C	N/A	C, D	Yes	Yes	No	
400	40	85	T3C	T3C	C, D	Yes	Yes	No	

**FIXTURE SERIES: HLEZ - HIGH PRESSURE SODIUM, CLASS II, DIVISION 1 & 2, CLASS III, DIVISION 1 & 2**

LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN	CLASS II, DIVISION 1 & 2 MAXIMUM SURFACE TEMP. NEC/CEC				CLASS III, DIV 1 & 2 NEC/CEC SUITABILITY	
			TEMP. ID W/O QTZ	TEMP. ID W/ QTZ <sup>2</sup>	UL/CSA GROUPS W/O QTZ	UL/CSA GROUPS W/QTZ <sup>3</sup>	W/O QTZ	W/QTZ <sup>3</sup>
70	40	85	T3C <sup>2</sup>	T3B <sup>2</sup>	E, F, G	E, F, G	Yes	Yes
70	55	85	T3C <sup>2</sup>	N/A	E, F, G	N/A	Yes	No
70	65	85	T3B <sup>2</sup>	N/A	E, F, G	N/A	Yes	No
100	40	85	T3C <sup>2</sup>	T3B <sup>2</sup>	E, F, G	E, F, G	Yes	Yes
100	55	85	T3C <sup>2</sup>	N/A	E, F, G	N/A	Yes	No
100	65	85	T3B <sup>2</sup>	N/A	E, F, G	N/A	Yes	No
150	40	85	T3C <sup>2</sup>	T3B <sup>2</sup>	E, F, G	E, F, G	Yes	Yes
150	55	85	T3C <sup>2</sup>	N/A	E, F, G	N/A	Yes	Yes
150	65	85	T3B <sup>2</sup>	N/A	E, F, G	N/A	Yes	Yes
250	40	85	T3 <sup>2</sup>	T3 <sup>2</sup>	E, F	E, F	No	Yes
250	55	85	N/A	N/A	N/A	N/A	No	No
400	40	85	N/A	N/A	N/A	N/A	No	No

<sup>1</sup> Instant restrike limited to 55° ambient maximum.

<sup>2</sup> Temperature Code I.D. marked are listed for simultaneous use in Class I, Groups C,D and Class II, Groups E,F,G

<sup>3</sup> Fixtures are not suitable for Class III, Division 1 and 2 when supplied with auxiliary quartz.

<sup>4</sup> Suitable for locations having deposits of readily combustible paint residue.

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



Hubbell Industrial Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • PHONE: 864-678-1000  
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