

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

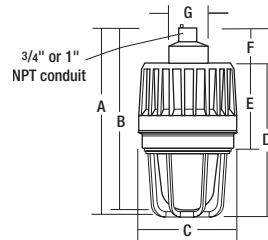
- Compact size for mogul base HID lamps.
- Mounting choices of pendant, ceiling, 25° stanchion or 90° wall mount with “wireless” design for quick installation.
- Factory sealed – no external seal required.
- Available with guard, standard dome or 25° reflector.
- Housing and mounting adapter are copper-free (<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

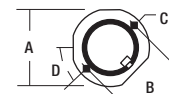
- UL844 Standard: Class I, Division 1, Groups C, D; Class II, Div 1 & 2, Groups E, F, G; Class III, Division 1 & 2.
- UL1598A Marine Outdoor.
- NEMA 3, 4, 4X, 7 (C, D), 9 (E, F, G).
- UL1598 Wet Location.



PENDANT



PENDANT MOUNTING HUB



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

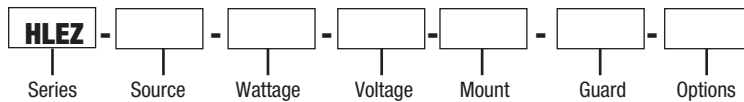
	A	B	C	D	E	F	G
70-250¹	22"	21 1/4"	11 1/4"	18"	10 1/2"	4"	4 1/2"
	558 mm	539 mm	285 mm	457 mm	267 mm	102 mm	114 mm
250-400²	26 1/4"	24 1/4"	11 1/4"	22 1/4"	10 1/2"	4"	4 1/2"
	666 mm	615 mm	285 mm	565 mm	267 mm	102 mm	114 mm

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 Halide¹
P Pulse Start Metal Halide

WATTAGE

05 50 watt HPS
07 70 watt HPS, MH
10 100 watt HPS, MH
15 150 watt HPS, MHP
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

NOTE: For emergency unit see HLEBB Series in the Dual Lite section of PSG5.

¹ 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	
HLEZGS1	HLEZS	HPS	50, 70, 100, 150	
	HLEZM	MV	100, 175, 250	
	HLEZH	MH	70, 100, 175, 250	
	HLEZH	MHP	175, 250	
HLEZGS2	HLEZS	HPS	250, 400	
	HLEZM	MV	400	
	HLEZH	MH	400	
	HLEZH	MHP	320, 350, 400	

GUARDS

Catalog Number	Series	Lamp Type	Wattage	
HLEZG1	HLEZS	HPS	70, 100, 150	
	HLEZM	MV	100, 175, 250	
	HLEZH	MH	175, 250	
	HLEZH	MHP	175, 250	
VMAG-40S	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	
HLEZTB	Female	

MOUNTING BOXES

Catalog Number	Mounting	Hub Size
HLEZA2	Pendant Mount	3/4"
HLEZA3	Pendant Mount	1"
HLEZX2	Ceiling Mount	3/4"
HLEZX3	Ceiling Mount	1"
HLEZB2	Bracket Mount	3/4"
HLEZB3	Bracket Mount	1"
HLEZD4	Stanchion Mount	1 1/4"
HLEZD5	Stanchion Mount	1 1/2"

ORDERING INFORMATION

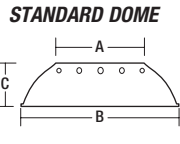
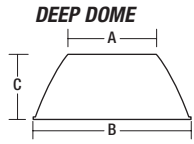
BALLAST, GLOBE & GLASS SUPPORT ASSEMBLIES

Catalog Number	Watts	Catalog Number	Watts	Catalog Number	Watts
HLEZS07X	70	HLEZS40X	400	HLEZP35X	350
HLEZS10X	100	HLEZP17X	175	HLEZP15X	150
HLEZS15X	150	HLEZP25X	250	HLEZP40X	400
HLEZS25X	250	HLEZP32X	320		

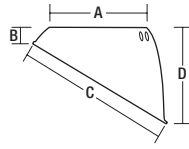
REFLECTORS

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

DIMENSIONS

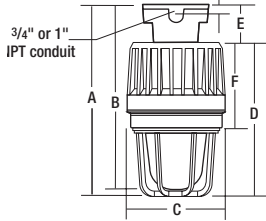


ANGLE DOME

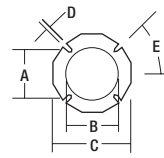


A	B	C	A	B	C	A	B	C	D
97/8"	205/8"	103/4"	101/4"	167/8"	51/2"	101/4"	21/2"	167/8"	105/8"
250 mm	525 mm	273 mm	260 mm	428 mm	139 mm	260 mm	63 mm	428 mm	270 mm

CEILING

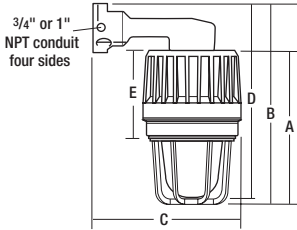


CEILING MOUNTING HUB

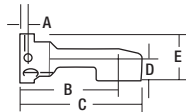


	A	B	C	D	E	F	G	A	B	C	D	E
70-250¹	22"	211/4"	111/4"	18"	4"	101/2"	31/32"	41/4"	43/4"	7"	5/16" diam	45°
	558 mm	539 mm	285 mm	457 mm	102 mm	267 mm	25 mm	107 mm	120 mm	177 mm	8 mm	-
250-400²	261/4"	241/4"	111/4"	221/4"	4"	101/2"	31/32"					
	666 mm	615 mm	285 mm	565 mm	102 mm	267 mm	25 mm					

BRACKET ARM

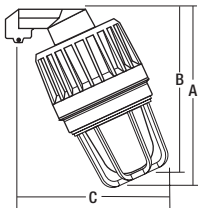


BRACKET MOUNTING HUB

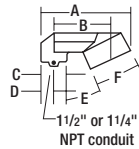


	A	B	C	D	E	A	B	C	D	E
70-250¹	227/8"	221/8"	163/4"	18"	101/2"	23/32"	105/8"	13"	23/8"	47/8"
	580 mm	561 mm	425 mm	457 mm	267 mm	18 mm	269 mm	330 mm	60 mm	123 mm
250-400²	267/8"	247/8"	163/4"	221/4"	101/2"					
	682 mm	631 mm	425 mm	565 mm	267 mm					

25° STANCHION



STANCHION MOUNTING HUB



	A	B	C	A	B	C	D	E	F
70-250¹	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
250-400²	281/2"	2623/32"	211/2"						
	724 mm	678 mm	546 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.

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 ⁴
			TEMP. ID W/O QTZ	TEMP. ID W/ QTZ ¹	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	
150	40	85	T4	T3C	C,D	Yes	No	
150	55	85	T4	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 ³	UL/CSA GROUPS W/O QTZ	UL/CSA GROUPS W/QTZ ²	W/O QTZ	W/QTZ ²
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
150	40	85	T3C	T3A	E,F,G	E,F	Yes	No
150	55	85	T3C	N/A	E,F,G	N/A	Yes	No
175	40	85	T3C ²	T3A ²	E, F, G	E,F	Yes	Yes
175	55	85	T3C ²	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					
			TEMP. ID W/O QTZ	TEMP. ID W/ QTZ ¹	UL/CSA GROUPS	UL 1598 MARINE	UL/CSA TYPE ² (RAINTIGHT)	UL PAINT SPRAY SUITABILITY ⁴
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 ²	UL/CSA GROUPS W/O QTZ	UL/CSA GROUPS W/QTZ ³	W/O QTZ	W/QTZ ³
70	40	85	T3C ²	T3B ²	E, F, G	E, F, G	Yes	Yes
70	55	85	T3C ²	N/A	E, F, G	N/A	Yes	No
70	65	85	T3B ²	N/A	E, F, G	N/A	Yes	No
100	40	85	T3C ²	T3B ²	E, F, G	E, F, G	Yes	Yes
100	55	85	T3C ²	N/A	E, F, G	N/A	Yes	No
100	65	85	T3B ²	N/A	E, F, G	N/A	Yes	No
150	40	85	T3C ²	T3B ²	E, F, G	E, F, G	Yes	Yes
150	55	85	T3C ²	N/A	E, F, G	N/A	Yes	Yes
150	65	85	T3B ²	N/A	E, F, G	N/A	Yes	Yes
250	40	85	T3 ²	T3 ²	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

¹ Instant restrike limited to 55° ambient maximum.

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

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

⁴ 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.



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