

## Area lighting

Hazlux® 3 Standard housing

Assembly guide



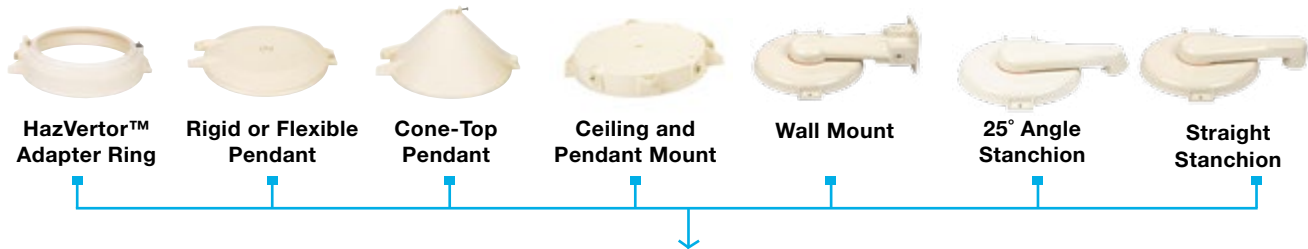
Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### Complete luminaire consists of:

- A mounting style
- Ballast Tank
- Globe or Refractor
- Optional Guard and/or Reflector

### Hazlux® 3 Standard Housing - Assembly Guide

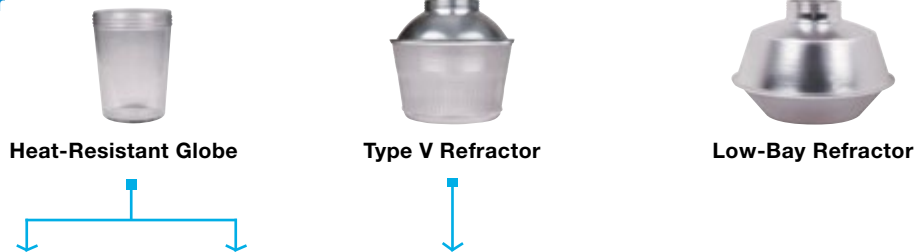
#### Mounting Style



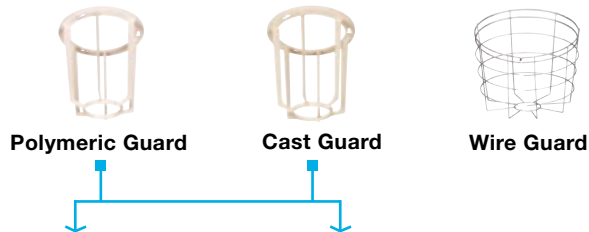
#### Ballast Tank



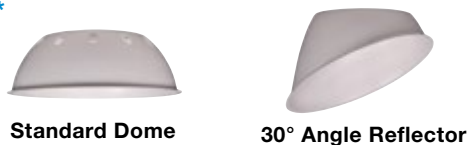
#### Globe or Refractor



#### Guard



#### Reflectors\*



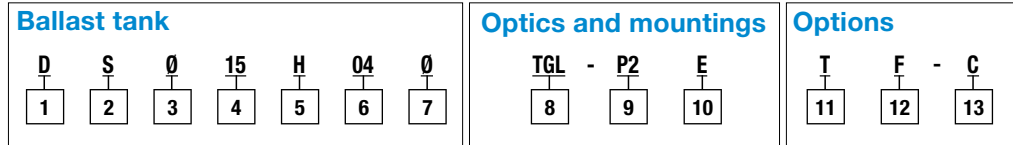
\*Reflectors are sold separately

## Catalog numbering system

Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### UNIPAK™ =

- Ballast Tank +
- Optics & Mountings +
- Options (if necessary)



Ballast Tank		
1. Fixture Series	D	Hazlux® 3 Fixture
2. Lamp Type	S	High-Pressure Sodium
	H	Metal Halide
	Ø	Standard Fixture (Without Options)
3. Starter Circuit/ Quartz Option	P	Pulse Start (MH Only)*
	Q	Quartz Auxiliary Option (Not Hazardous Rated)
	R	Instant Restart (50 - 150W HPS)
	J	Auto Shutoff Starter (HPS Only)
	Ø	Standard Fixture (Without Options)
4. Lamp Wattage	<b>Metal Halide Lamps</b>	
	17	175W ED28 20
	20	200W ED28PS
	25	250W ED28
	<b>High Pressure Sodium Lamps</b>	
	05	50W ED23 1/2
	07	70W ED23 1/2
	10	100W ED23 1/2
	15	150W ED23 1/2
	5. Ballast Circuit	H
C		Constant Wattage Autotransformer (CWA)
I		Constant Wattage Isolated Transformer (ICWI)
P		Reactor (All ballasts high power factor)
6. Voltage/ Frequency	03	120/277V, 60 Hz
	04	120/208/240/277V, 60 Hz
	09	120/277/347V, 60 Hz
	12	120V, 60 Hz
	20	208V, 60 Hz
	24	240V, 60 Hz
	27	277V, 60 Hz
	34	347V, 60 Hz
	48	480V, 60 Hz
	225	220V, 50 Hz
	245	240V, 50 Hz
7. Ballast Housing Style	Ø	Standard Housing
	S	Standard Housing with Stainless Steel Inserts

Optics & Mountings		
8. Optical Assembly Options*	TG	Thermal Shock-Resistant Globe
	TGC	Thermal Shock-Resistant Globe with Cast Guard
	TGL	Thermal Shock-Resistant Globe with PolymericGuard
	R2	12-in. Glass Refractor, Type II
	R5	12-in. Glass Refractor, Type V
	R2G	R2 with Wire Guard
	R5G	R5 with Wire Guard
	CBDL	Closed Bottom Refractor with Polycarbonate Lens
<i>*For silicone coating, please add suffix "S" before the first digit (ex. STG)</i>		
9. Mounting style	A2	3/4" Cone-Top Pendant
	A3	1" Cone-Top Pendant
	B2	3/4" Wall Mount
	B3	1" Wall Mount
	C2	3/4" Ceiling Mount
	C3	1" Ceiling Mount
	F2	3/4" Flexible Pendant
	F3	1" Flexible Pendant
	HV1	HazVeror™ Ring - Class I, Div. 2, Zone 2
	L4	1-1/4" Straight Stanchion
	L5	1-1/2" Straight Stanchion
	P2	3/4" Rigid Pendant
	P3	1" Rigid Pendant
10. UNIPAK™ Options	E	UNIPAK™ with Clear Lamp
	D	UNIPAK™ with Dual Arc Lamp
	U	UNIPAK™ No Lamp
	S4	1-1/4" 25° Angle Stanchion
	S5	1-1/2" 25° Angle Stanchion

### Certifications & Standards\*

### Approvals/Characteristics

- Class I** - Zone 2, Groups IIC, IIB, IIA  
- Division 2, Groups A, B, C and D
- Class II** - Division 1 and 2, Groups E, F and G
- Class III** - UL® Listed (UL1598A) for Marine Locations  
- UL844  
- NEMA 4X, IP66  
- CSA C22.2 No. 137



\* Classification may vary upon light source and wattage. For details, see Thermal Performance Chart on P.40.

### Options

11. Special Options	T	HazCote® black custom anti-corrosion coating (Consult factory)
12. Fusing Options	F	Fuse Block with Fuse*
13. Certification	C	Canadian Market

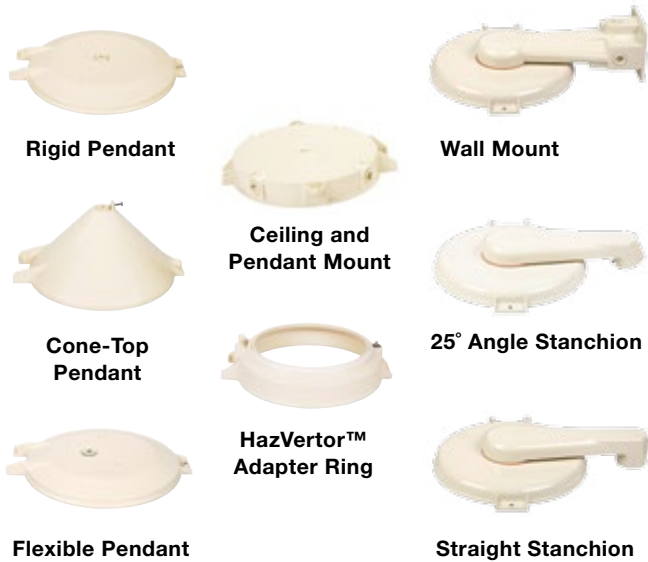
\*Fuse Block are not available for Marine Locations

## Area lighting

### Hazlux® 3 Standard housing

Individual components (to be used with ballast housing)

Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 Notes: \_\_\_\_\_



### Individual components



Mounting Options*		
PART NO.	Description	Conduit Hub Size
VP2	Rigid Pendant	3/4"
VP3	Rigid Pendant	1"
VA2	Cone-Top Pendant	3/4"
VA3	Cone-Top Pendant	1"
VF2	Flexible Pendant	3/4"
VF3	Flexible Pendant	1"
VC2	Ceiling & Pendant Mount	3/4"
VC3	Ceiling & Pendant Mount	1"
VB2-VIB	Wall Mount	3/4"
VB3-VIB	Wall Mount	1"
VS4-VIB	25° Angle Stanchion	1-1/4"
VS5-VIB	25° Angle Stanchion	1-1/2"
VL4-VIB	Straight Stanchion	1-1/4"
VL5-VIB	Straight Stanchion	1-1/2"
HV1	HazVektor™ Adapter Ring	N/A

\* For stainless steel inserts, please add "SI" to part no. (ex: VA2SI)

Globes or Refractors*	
PART NO.	Description
VGT22	5-1/2"-dia. Heat-Resistant Globe (250W max.)
VRF22C2	12"-dia. IES Type II Refractor, 5-1/2" thread
VRF22C5	12"-dia. IES Type V Refractor, 5-1/2" thread
VR22CBDL	Low-Bay Refractor with Plastic Lens

\*For silicone coating, please add "TS" to part no. (ex: VGT22TS)

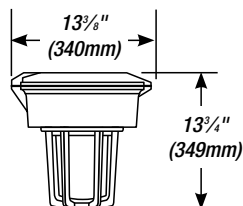
Guards	
PART NO.	Description
VGU22P	Polymeric Guard for VGT22 Series Globe
VGU22	Cast Guard for VGT22 Series Globe
VGR48	Steel Wire Guard for All VRF Series 12"Refractors

Reflectors	
PART NO.	Description
VR22P	Standard Dome Fiberglass-Reinforced Polyester
VRA22P	30° Angle Reflector Fiberglass-Reinforced Polyester

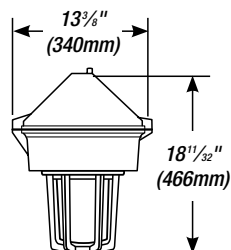
\*Note: Reflectors are shipped bulk unless specified

Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

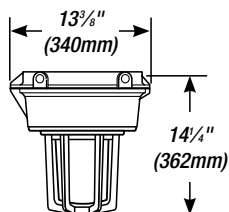
## Dimensions Standard housing with globe and guard



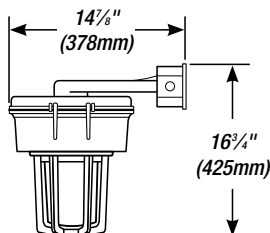
**Rigid and Flexible  
Pendant**



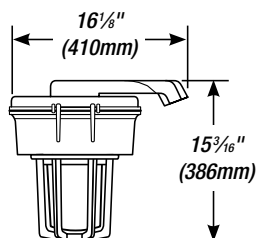
**Cone-Top Pendant**



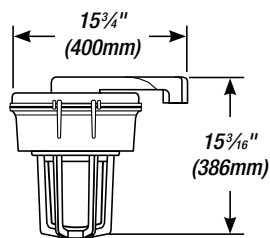
**Ceiling Mount**



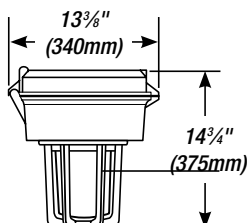
**Wall Mount**



**25° Angle Stanchion**



**Straight Stanchion**



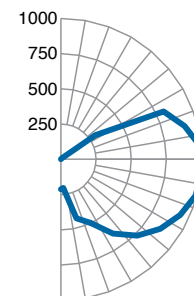
**Hazvector™ Ring**

## Photometry Standard housing with globe and guard

### Ceiling Mount

Reference Data	
Catalogue No.	DSO10H090-TGLA2E
Lamp	100W HPS ED23 1/2
Lamp Lumens	9500
Input Watt	130
Luminaire Lumens	8318
Efficiency	88%
Efficacy Rating (LER)	64.0
Spacing Criterion (0-180)	3.56
Spacing Criterion (90-270)	3.56
Spacing Criterion (diagonal)	3.42

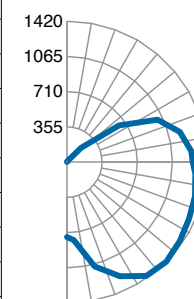
### Candlepower Curve



### Ceiling Mount

Reference Data	
Catalogue No.	DHO17C090-TGLA3E
Lamp	175W MH ED28
Lamp Lumens	14000
Input Watt	210
Luminaire Lumens	12719
Efficiency	91%
Efficacy Rating (LER)	60.6
Spacing Criterion (0-180)	2.38
Spacing Criterion (90-270)	2.38
Spacing Criterion (diagonal)	2.36

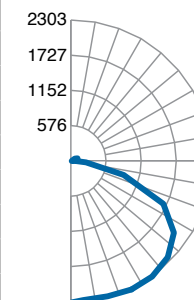
### Candlepower Curve



### Ceiling Mount

Reference Data	
Catalogue No.	DHO17C090-TGLA3E & VR22P
Lamp	175W MH ED28
Lamp Lumens	14000
Input Watt	210
Luminaire Lumens	10006
Efficiency	71%
Efficacy Rating (LER)	47.7
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.52
Spacing Criterion (diagonal)	1.68

### Candlepower Curve

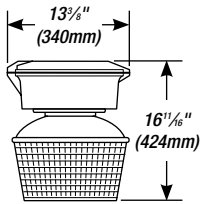


## Area lighting

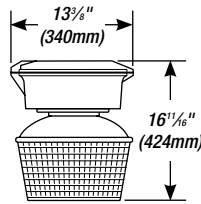
Hazlux® 3 Standard housing

### Dimensions

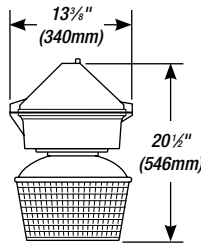
#### Standard housing with 12" refractor and guard



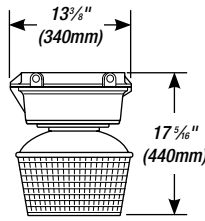
**Rigid Pendant**



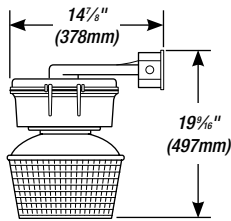
**Flexible Pendant**



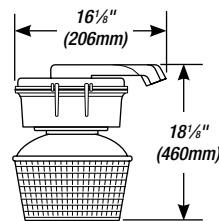
**Cone-Top Pendant**



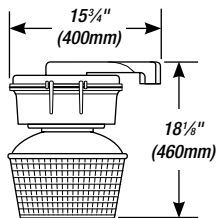
**Ceiling Mount**



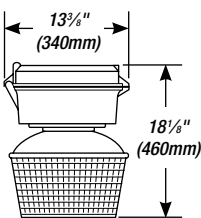
**Wall Mount**



**25° Angle Stanchion Mount**



**Straight Stanchion**



**HazVertor™ Ring**

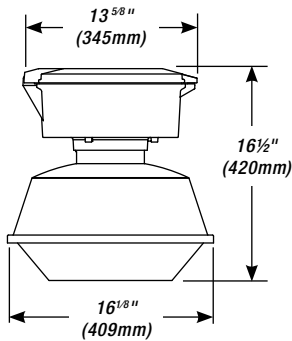
Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### Photometry Standard housing with 12" refractor and guard

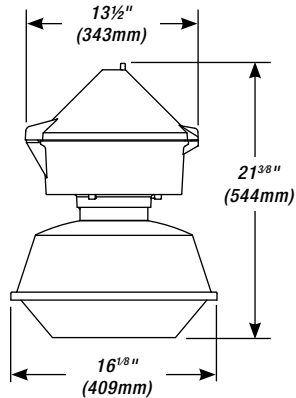
Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DHO17C090-R5A2E	
Lamp	175W MH ED28	
Lamp Lumens	14000	
Input Watt	210	
Luminaire Lumens	11 690	
Efficiency	84%	
Efficacy Rating (LER)	55.7	
Spacing Criterion (0-180)	1.46	
Spacing Criterion (90-270)	1.46	
Spacing Criterion (diagonal)	1.74	

Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

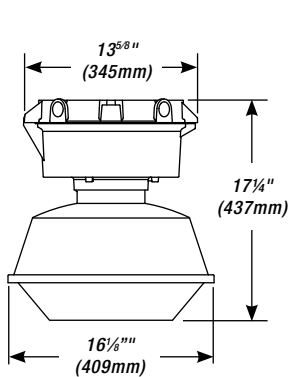
## Dimensions Standard housing with low bay refractor



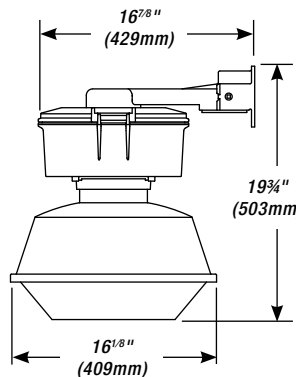
**Rigid and Flexible  
 Pendant**



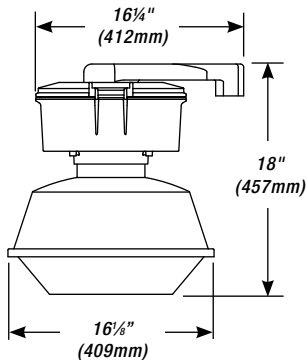
**Cone-Top Pendant**



**Ceiling Mount**



**Wall Mount**



**Straight Stanchion**

## Photometry Standard housing with low bay refractor

Ceiling Mount		Candlepower Curve
<b>Reference Data</b>		
Catalogue No.	DSO15H090-CBDL-A2E	
Lamp	150W HPS ED23 1/2	
Lamp Lumens	16000	
Input Watt	165	
Luminaire Lumens	8744	
Efficiency	55%	
Efficacy Rating (LER)	53	
Spacing Criterion (0-180)	0.66	
Spacing Criterion (90-270)	0.66	
Spacing Criterion (diagonal)	0.80	

Ceiling Mount		Candlepower Curve
<b>Reference Data</b>		
Catalogue No.	DHO25C090-CBDL-A2E	
Lamp	250W MH ED28	
Lamp Lumens	20500	
Input Watt	275	
Luminaire Lumens	11869	
Efficiency	58%	
Efficacy Rating (LER)	43	
Spacing Criterion (0-180)	0.68	
Spacing Criterion (90-270)	0.68	
Spacing Criterion (diagonal)	0.82	