

Area lighting

Hazlux® 3 Standard housing

Assembly guide



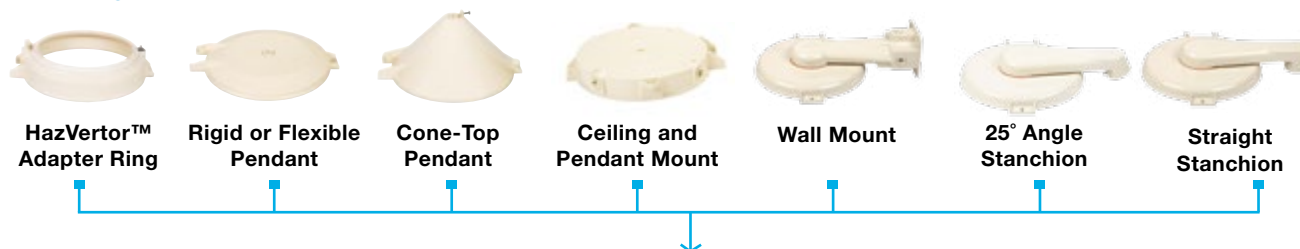
Type: _____
Catalog #: _____
Notes: _____

Complete luminaire consists of:

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

Hazlux® 3 Standard Housing - Assembly Guide

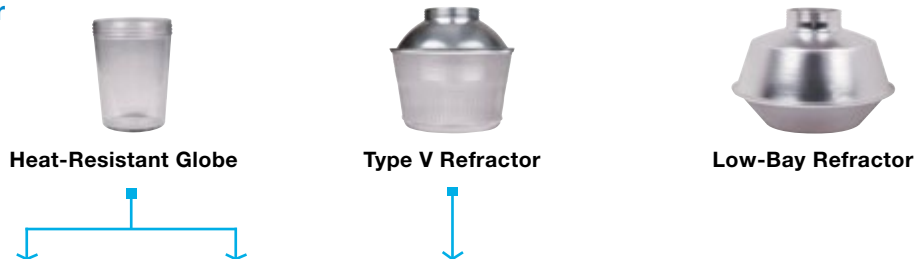
Mounting Style



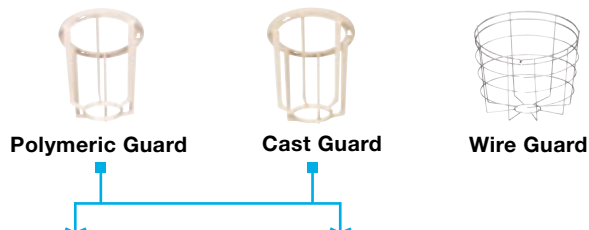
Ballast Tank



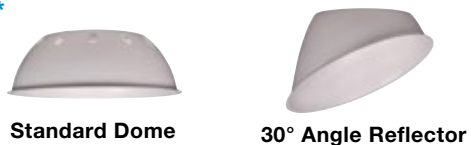
Globe or Refractor



Guard



Reflectors*



*Reflectors are sold separately

Catalog numbering system

Type: _____
 Catalog #: _____
 Notes: _____

UNIPAK™ =

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

Ballast tank

D	S	Ø	15	H	04	Ø
1	2	3	4	5	6	7

Optics and mountings

TGL	-	P2	E
8		9	10

Options

I	F	-	C
11	12		13

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)
4. Lamp Wattage	Metal Halide Lamps	
	07	70W ED28
	10	100W ED28
	17	175W ED28 20
	20	200W ED28PS
	25	250W ED28
	High Pressure Sodium Lamps	
	05	50W ED23 1/2
	07	70W ED23 1/2
	10	100W ED23 1/2
	15	150W ED23 1/2
5. Ballast Circuit	H	High Reactance
	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 (CSA)
	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

*For silicone coating, please add suffix "S" before the first digit (ex. STG)

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
10. UNIPAK™ Options	P3	1" Rigid Pendant
	S4	1-1/4" 25° Angle Stanchion
	S5	1-1/2" 25° Angle Stanchion
	E	UNIPAK™ with Clear Lamp
	D	UNIPAK™ with Dual Arc Lamp
	U	UNIPAK™ No Lamp

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

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

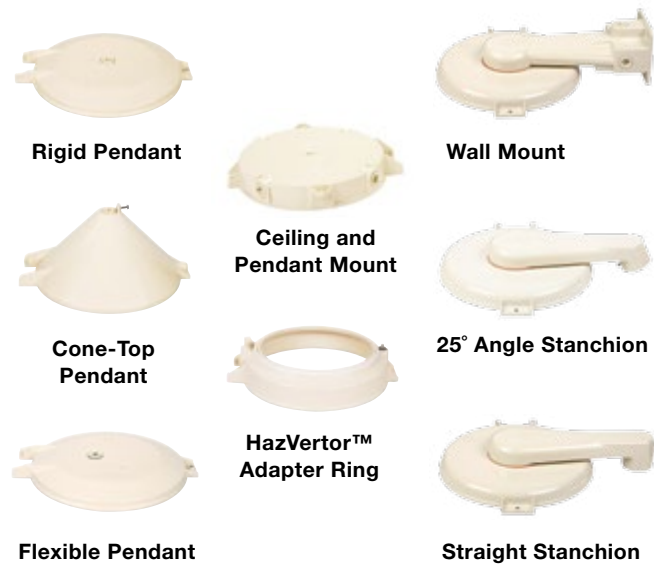


* Classification may vary upon light source and wattage. For details, see Thermal Performance Chart on P.40.

Area lighting

Hazlux® 3 Standard housing

Individual components (to be used with ballast housing)



Individual components



Type: _____
Catalog #: _____
Notes: _____

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	HazVertor™ 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
VR22CDDL	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

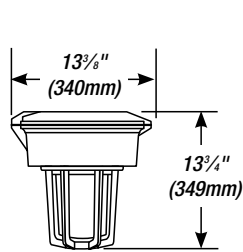
Reflectors

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

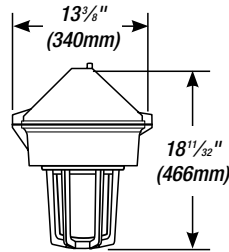
*Note: Reflectors are shipped bulk unless specified

Type: _____
 Catalog #: _____
 Notes: _____

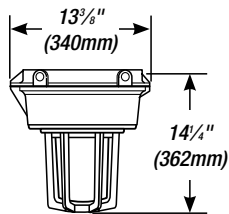
Dimensions Standard housing with globe and guard



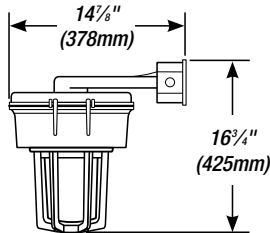
**Rigid and Flexible
Pendant**



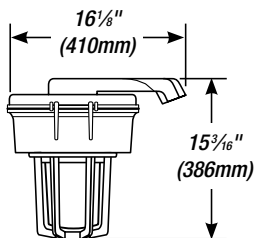
Cone-Top Pendant



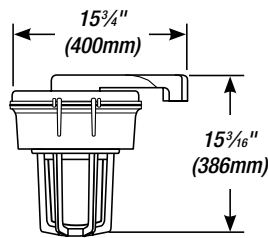
Ceiling Mount



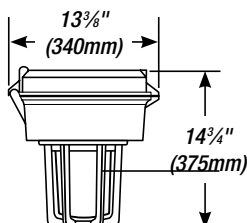
Wall Mount



25° Angle Stanchion



Straight Stanchion



HazVector™ Ring

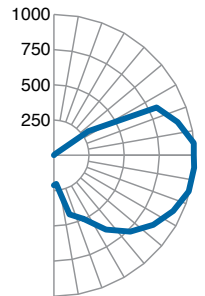
Photometry Standard housing with globe and guard

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

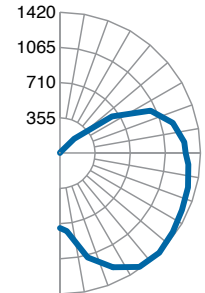


Ceiling Mount

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

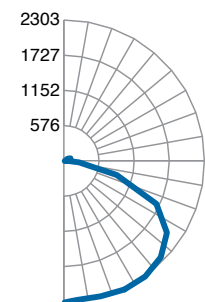


Ceiling Mount

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

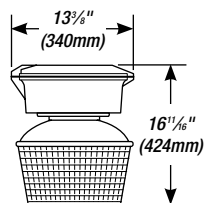


Area lighting

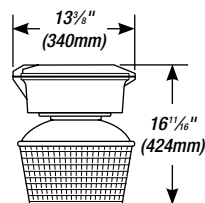
Hazlux® 3 Standard housing

Dimensions

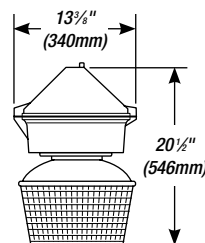
Standard housing with 12" refractor and guard



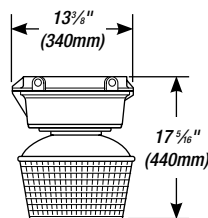
Rigid Pendant



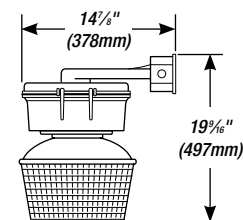
Flexible Pendant



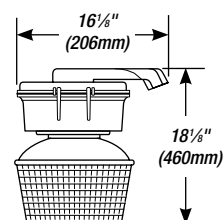
Cone-Top Pendant



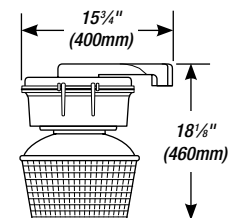
Ceiling Mount



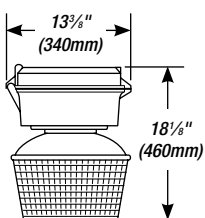
Wall Mount



25° Angle Stanchion Mount



Straight Stanchion

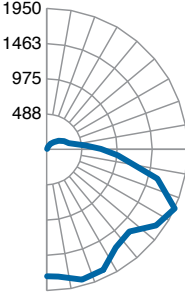


HazVetor™ Ring

Type: _____
Catalog #: _____
Notes: _____

Photometry

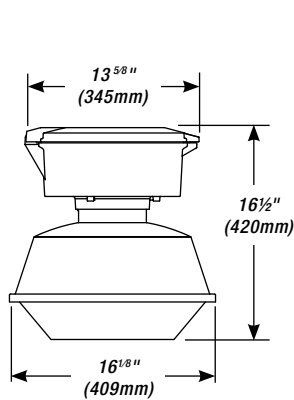
Standard housing with 12" refractor and guard

Ceiling Mount		Candlepower Curve 
Reference Data		
Catalogue No.	DHO17C09O-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	

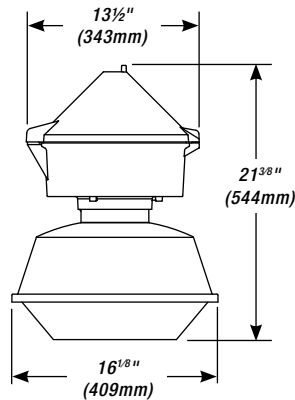
Type: _____
 Catalog #: _____
 Notes: _____

Dimensions

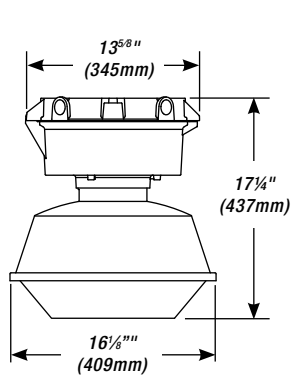
Standard housing with low bay refractor



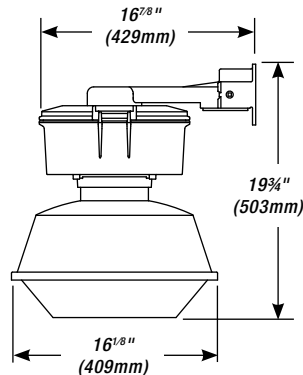
**Rigid and Flexible
Pendant**



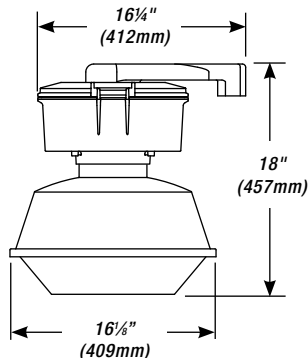
Cone-Top Pendant



Ceiling Mount



Wall Mount



Straight Stanchion

Photometry

Standard housing with low bay refractor

Ceiling Mount

Reference Data		Candlepower Curve
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

Reference Data		Candlepower Curve
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	