

Area lighting

Hazlux® 3 Large housing

Assembly guide

Type: _____
 Catalog #: _____
 Notes: _____

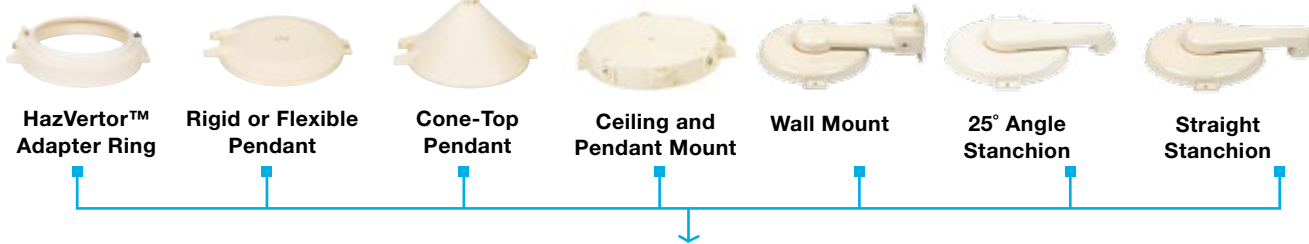
Complete luminaire consists of:

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



Hazlux® 3 Large Housing - Assembly Guide

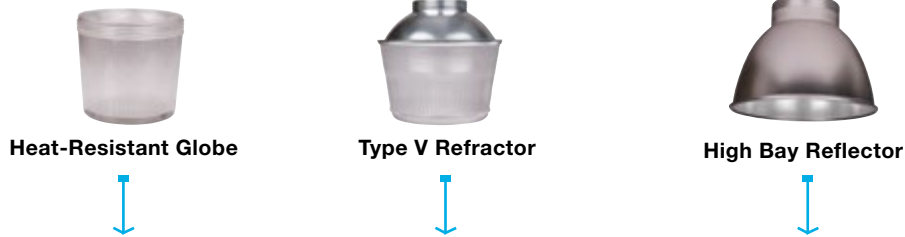
Mounting Style



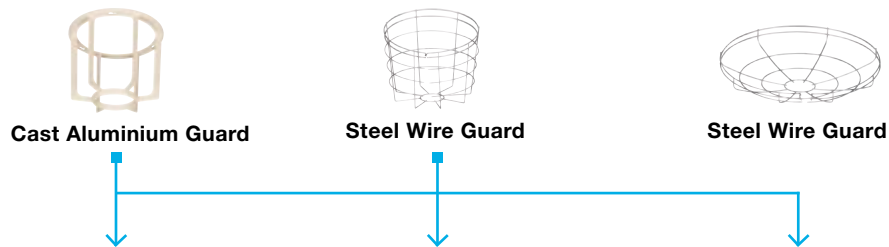
Ballast Tank



Globe or Refractor



Guard



Reflectors*



*Reflectors are sold separately

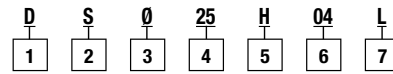
Catalog numbering system

Type: _____
 Catalog #: _____
 Notes: _____

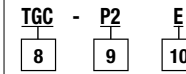
UNIPAK™ =

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

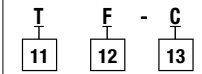
Ballast tank



Optics and mountings



Options



Ballast Tank		
1. Fixture Series	D	Hazlux® 3 Fixture
2. Lamp Type	S	High-Pressure Sodium
	H	Metal Halide
3. Starter Circuit/ Quartz Option	Ø	Standard Fixture (Without Options)
	P	Pulse Start (MH Only)
	Q	Quartz Auxiliary Option (Not Hazardous Rated)
4. Lamp Wattage	Metal Halide Lamps	
	25	250W ED28
	32	320W ED28PS
	35	350W ED37PS
	40	400W ED37
	High Pressure Sodium Lamps	
	20	200W ED18
	25	250W ED18
	40	400W ED18
	5. Ballast Circuit	H
C		Constant Wattage Autotransformer (CWA)
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
	27	277V, 60 Hz
	34	347V, 60 Hz
	48	480V, 60 Hz
	225	220V, 50 Hz
	245	240V, 50 Hz
7. Ballast Housing Style	L	Large Housing
	M	Large Housing with Stainless Steel Inserts

Optics & Mountings*

8. Optics and Guards	R2	12" Refractor Glass, Type II
	R5	12" Refractor Glass, Type V
	R2G	R2 with Steel Wire Guard
	R5G	R5 with Steel Wire Guard
	RCB	Enclosed High-Bay Reflector
	RCG	RCB with Steel Wire Guard
	TG	7-3/4" Thermal Shock-Resistant CBDL Resistant CBDL Globe
	TGC	TG with Cast Aluminum Guard

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

Options

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

* Fusing is not available with 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 - UL844
 - CSA C22.2 No. 137



* Classification may vary upon light source and wattage. For details, see Thermal Performance Chart on P.47.

Area lighting

Hazlux® 3 Large housing

Individual components (to be used with ballast housing)



Rigid Pendant



Ceiling/ Pendant Mount



Wall Mount



Cone-Top Pendant



25° Angle Stanchion



Flexible Pendant



HazVerter™ Adapter Ring



Straight Stanchion



Heat-Resistant Globe



Type III or V Refractor Globe



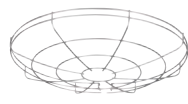
Enclosed High-Bay Reflector



Wire Guard



Cast Guard



VGR64 Wire Guard

Optional components



Standard Dome



30° Angle Reflector



Deep Dome

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 Mount/ Pendant	3/4"
VC3	Ceiling Mount/ Pendant	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	HazVerter™ Adapter Ring	N/A

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

Globes or Refractors*

PART NO.	Description
VGT31	7-3/4" dia. Heat-Resistant Globe (400W max.)
VRF31C2	12" dia. IES Type II Refractor, 7-3/4" Thread
VRF31C5	12" dia. IES Type V Refractor, 7-3/4" Thread
VR31CB	Enclosed High-Bay, Anodized Aluminum with Lens

* For silicone coating please add "TS" to part no. (ex: VGT31TS)

Guards

PART NO.	Description
VGU31	Cast Aluminum Guard for VGT31 Globe
VGR48	Steel Wire Guard for All VRF Series 12" Refractors
VGR64	Steel Wire Guard for VR31CB Enclosed High Bay Reflector

Reflectors

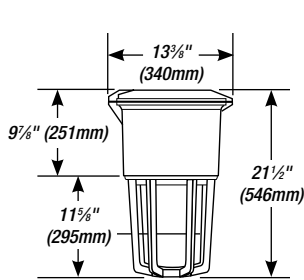
PART NO.	Description
VR31P	Standard Dome, Fiberglass-Reinforced Polyester
VRA31P	30° Angle Reflector, Fiberglass-Reinforced Polyester
VRD31	Deep Dome, Anodized Aluminum

Note: Reflectors are shipped bulk unless specified

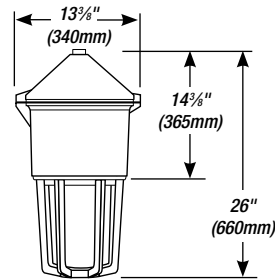
Type: _____
 Catalog #: _____
 Notes: _____

Dimensions

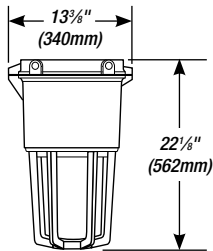
Large housing with globe and guard



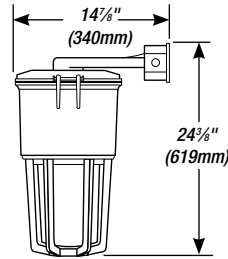
Rigid Pendant



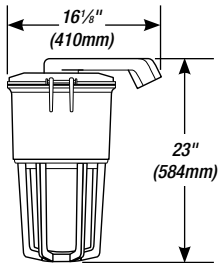
Cone-Top Pendant



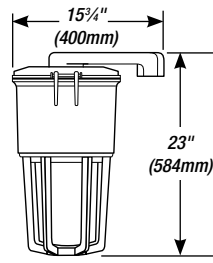
Ceiling Mount



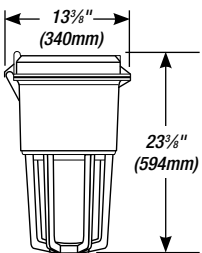
Wall Mount



25° Angle Stanchion Mount



Straight Stanchion

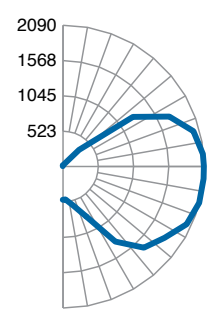


HazVertor™ Ring

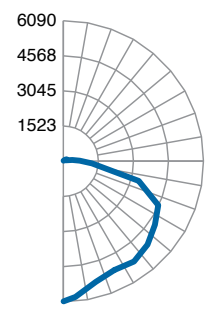
Photometry

Large Housing with globe and guard

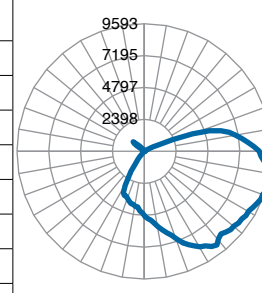
Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DSO20C09L - TGCA3E	2090
Lamp	200W HPS ED18	1568
Lamp Lumens	22000	1045
Input Watt	255	523
Luminaire Lumens	18415	
Efficiency	84%	
Efficacy Rating (LER)	72.2	
Spacing Criterion (0-180)	N/A	
Spacing Criterion (90-270)	N/A	
Spacing Criterion (diagonal)	N/A	



Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DHO35C09L-TGCA3E	6090
Lamp	350W MH ED37PS	4568
Lamp Lumens	34000	3045
Input Watt	400	1523
Luminaire Lumens	26392	
Efficiency	78%	
Efficacy Rating (LER)	66.0	
Spacing Criterion (0-180)	1.36	
Spacing Criterion (90-270)	1.36	
Spacing Criterion (diagonal)	1.58	



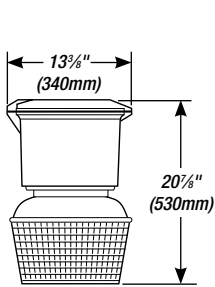
Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DHP40C04L-TG-P2V & VRA31P	9593
Lamp	400W MH ED37PS	7195
Lamp Lumens	44000	4797
Input Watt	400	2398
Luminaire Lumens	30407	
Efficiency	69%	
Efficacy Rating (LER)	76	
Spacing Criterion (0-180)	2.32	
Spacing Criterion (90-270)	1.72	
Spacing Criterion (diagonal)	1.58	



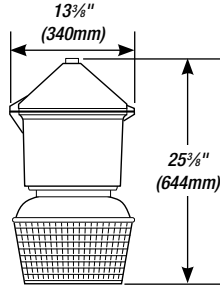
Area lighting

Hazlux® 3 Large housing

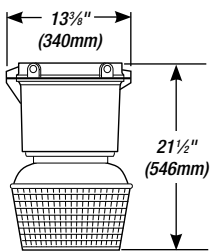
Dimensions Large housing with 12" refractor



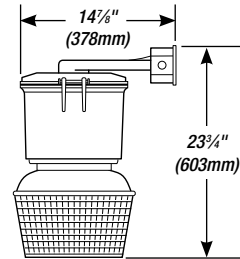
Rigid and Flexible Pendant



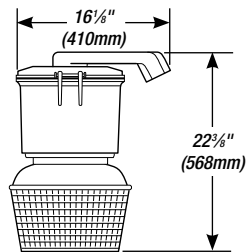
Cone-Top Pendant



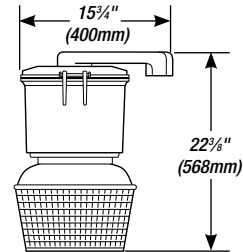
Ceiling Mount



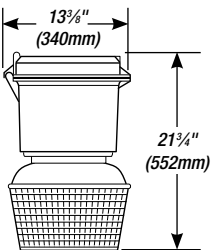
Wall Mount



25° Angle Stanchion Mount



Straight Stanchion Mount



HazVertor™ Ring

Type: _____
 Catalog #: _____
 Notes: _____

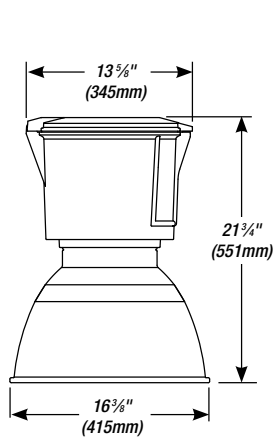
Photometry Large housing with 12" refractor

Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DHP32C04L-R2-P2E	
Lamp	320W MH ED28PS	
Lamp Lumens	30000	
Input Watt	352	
Luminaire Lumens	21773	
Efficiency	73%	
Efficacy Rating (LER)	62	
Spacing Criterion (0-180)	1.56	
Spacing Criterion (90-270)	1.50	
Spacing Criterion (diagonal)	1.90	

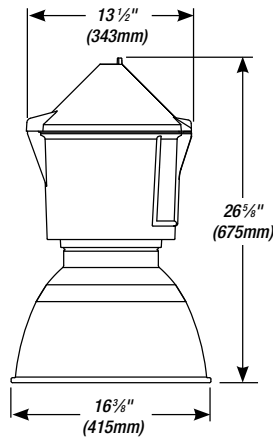
Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DSO20C04L-R5-P2E	
Lamp	200W HPS ED18	
Lamp Lumens	22000	
Input Watt	240	
Luminaire Lumens	16414	
Efficiency	75%	
Efficacy Rating (LER)	68	
Spacing Criterion (0-180)	1.66	
Spacing Criterion (90-270)	1.66	
Spacing Criterion (diagonal)	1.80	

Type: _____
 Catalog #: _____
 Notes: _____

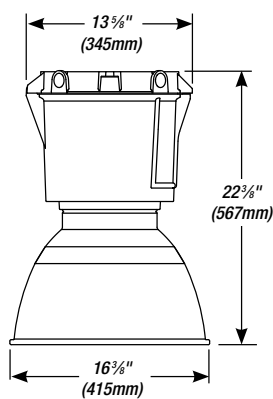
Dimensions Large housing with high bay refractor



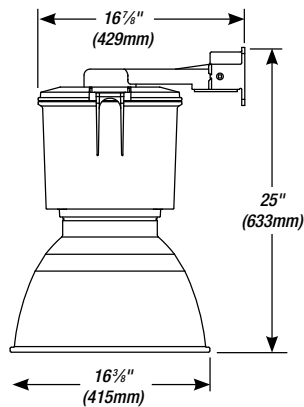
Rigid and Flexible Pendant



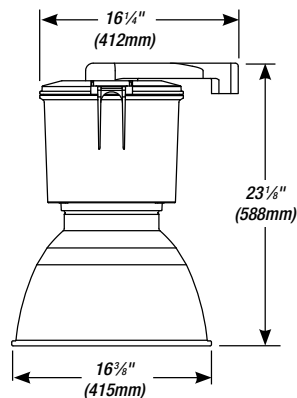
Cone-Top Pendant



Ceiling Mount



Wall Mount



Straight Stanchion

Photometry Large housing with high bay refractor

Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DHP25C04-RCB-A3E	
Lamp	250W MH ED28PS	
Lamp Lumens	25000	
Input Watt	250	
Luminaire Lumens	17383	
Efficiency	70%	
Efficacy Rating (LER)	70	
Spacing Criterion (0-180)	2.36	
Spacing Criterion (90-270)	2.36	
Spacing Criterion (diagonal)	1.86	

Ceiling Mount		Candlepower Curve
Reference Data		
Catalogue No.	DSO20C04L-RCB-A3E	
Lamp	200W HPS ED18	
Lamp Lumens	22000	
Input Watt	240	
Luminaire Lumens	12810	
Efficiency	58%	
Efficacy Rating (LER)	53	
Spacing Criterion (0-180)	1.70	
Spacing Criterion (90-270)	1.70	
Spacing Criterion (diagonal)	1.38	