



REMOTE BALLAST

SIDE MOUNT WITH SENSOR

PENDANT MOUNT

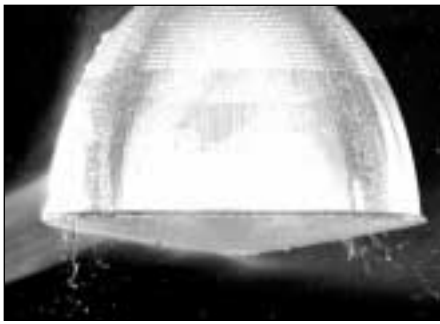
FOOD PROCESSING, INDUSTRIAL, WAREHOUSE, RETAIL

ENVIROGUARD E-POD™

- **Electronic Metal Halide**
 - 210 & 315W Master Color Elite
 - 320, 350 & 400 watt Pulse Start
 - 89 to 102 maintained lumens per watt
 - Up to 50% less energy
 - Dimming to 50% power
- **Electronic Compact Fluorescent**
- 165 watt, 100,000 hour, QL Induction lamp
- Core & Coil Pulse Start Metal Halide
- National Sanitation Foundation Certified
- Listed for 1200 PSI Hosedown

GUTH®

LIGHTING FOR DEMANDING ENVIRONMENTS



1200 PSI hosedown



State-of-the-art compression machine ensures integrity of seal for hosedown luminaires



Gasket seal keeps contaminants out, allows for high pressure hosedown and wet location



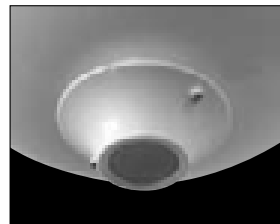
Tool free relamping



Hose down loop cord and quick disconnect



25" Aluminum



Integral Occupancy Sensor



Soft-Glo™ acrylic reduces glare

ENVIROGUARD E-POD™ FEATURES

- Die Cast Construction
- Sealed Construction
- 3/4" Hub Provided for Pipe Mounting
- Up to -30°F Starting
- HID or Fluorescent Dimming
- Hosedown Cord & Plug Option
- Pendant, Side or Remote Ballast
- High Temperature Listings
- Higher Efficiency Optics
- Longer Ballast Life

ELECTRONIC METAL HALIDE BENEFITS

- Up to 65% more lumens per lamp
- Integral continuous dimming to 50% power
- 3 Year warranty from Advance Transformer
- Time delay quartz restrike
- Increase in useful lamp life
- Current limited end of life lamp protection
- 210 & 315W Master Color Elite
- 320, 350 and 400W Pulse Start Lamps
- Internal fusing
- Up to 50% voltage dip

LAMP OPTIONS

BALLAST	Electronic MH	Electronic MH	Electronic CFL	Induction
Lamp	400 PS MH	315 PS MH	4-70w CFL	165w
Initial Lumens	44,000	37,800	20,800	12,000
Ballast Factor	1.0	1.0	1.0	1.0
CRI	.62	.90	.82	.80
Lamp Depreciation	.86	.95	.86	.80
Maintained Lumens	37,840	34,650	17,888	9,600
Expected Lamp Life	30,000	20,000	12,000	100,000
Maint. Lumens/Watt	89	102	63	55
Starting Temperature	-30°F	-30°F	0°F	-4°F
Dimming	50%	50%	90%	NA

LISTINGS

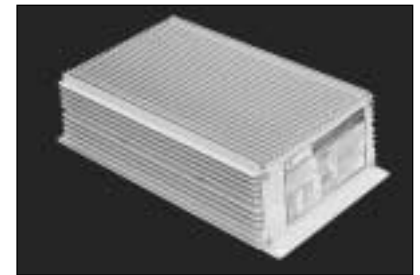
- Wet Location – all enclosed fixtures
- Damp Location – all open fixtures
- 55°C – all core and coil fixtures
- 40°C – Electronic MH, Compact Fluorescent, Induction Lamp
- NSF Certification
- 1200 PSI Hosedown

APPLICATIONS

- Food Processing
- Insulated Ceilings
- Automotive Assembly
- Swimming Pools
- Warehouse
- Inaccessible areas
- Big Box Retail
- Freezer and Cold Storage
- Corrosive Environments
- Treatment Plants
- Heavy Industrial
- High Temperature Areas



Smooth lens exterior is easy to clean



Electronic MH Ballast

ENVIROGUARD E-POD™ ORDERING DATA

EPP - W - 2 - 4 - S - 400P - E - U

SERIES

EPP - Acrylic
EPA - Aluminum

ENCLOSURE/LENS

W - Enclosed Wet (acrylic)
E - Enclosed Damp (acrylic)
O - Open Damp

SIZE

2 - 22"
5 - 25"

REFLECTOR

1 - White Aluminum
2 - Anodized
3 - Soft-Glo™ Acrylic
4 - Clear Prismatic Acrylic
6 - Hi-Impact Acrylic

BALLAST TYPE

P - Pendant
TP - Twin Electronic Pendant (55°C Listed)
S - Side mount
R - Remote

VOLTAGE

1 - 120V
2 - 277V
M - Multi-tap
U - Electronic (200-300V)
3 - 347V
4 - 480V

BALLAST

E - Electronic (MH, CFL, Induction)
P - Pulse Start (core & coil)
PL - Low Energy 320/400MH (core & coil)

LAMP

210E - 210w PS Master Color
315E - 315w PS Master Color
250P - 250w Pulse Start MH
320P - 320w Pulse Start MH
350P - 350w Pulse Start MH
400P - 400w Pulse Start MH
470Q - 4 LT 70w Quad Tube
165QL - 165w QL Induction lamp (277v only)

OPTIONS

Electronic MH

"/EISL" - Delay Instant Standby Quartz

Core & Coil Ballast

"/SSF" - Slow Blow Fuse
"/ISL" - Instant Standby Quartz
"/DISL" - Delay Instant Standby Quartz
"/IE" - Emergency Quartz Socket 120V only

Ballast POD Mountings

Note: Pod has 3/4" threaded hub for pipe mount.

"/WLP" - Hosedown 6' Loop, Cord, Plug & Receptacle
"/LHCP-120" - Damp Loc. Loop, Hanger 6' White Cord & Plug
"/LHCP-277" - Damp Loc. Loop, Hanger 6' White Cord & Plug
"/LH-PT" - Loop Hanger Cord Set with 3' Pigtails
"/BRC" - Safety Chain and Hanger

Side Mount Mountings/Connections (Ballast to Reflector)

Note: Reflector shall include cast loop/hook. Ballast Pod shall include 6' pigtail for field connection to lamp socket.

"/WLQD" - Wet Location Quick Disconnect Plug Connection
"/DLQD" - Damp Location Quick Disconnect Plug Connection

Dimming Circuit Connections on Ballast Pod

"/OS" - Occupancy Sensor (above 17°F)
"/OS-LT" - Low Temp/High Humidity Occupancy Sensor (-40°F)
"/TC" - Telephone Wire Receptacle For Daisy Chain or Wall Controller

Accessories

"/WG" - Wire Guard

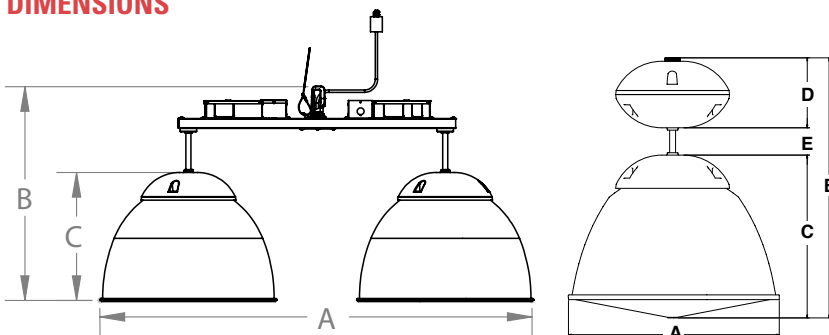
Listings

"/NSF" - NSF Label (W or G enclosure)
"/HOSE" - Hosedown Label (W or G enclosure)

NOTE:

- Remote ballast limits: Electronic MH - 15', Core & Coil - 200', 2 lamp CFL - 6', 1 lamp CFL - 10', Induction - 12'.
- Low energy core and coil ballast: 434 and 350 watts.

DIMENSIONS



Available in 22" or 25" Reflectors

r o t c e l f e R " 2 2

	22"/25" Stem Mount		22"/25" Side Mount		22"/25" Twin Mount	
	22"	25"	22"	25"	22"	25"
A	22-1/4"	25-3/8"	22-1/4"	25-3/8"	55"	58"
B	30-9/16"	33-3/8"	-	-	27"	28"
C	15-1/4"	17-1/4"	17-3/16"	20"	16"	17"
D	7-3/8"	7-3/8"	7-3/8"	7-3/8"	-	-
E	6"	6"	-	-	-	-

Project Name:

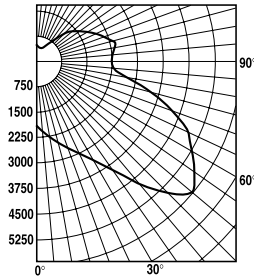
Type	Catalogue Number	Comments

PHOTOMETRIC DATA

400W MH Coated 25" Enclosed Acrylic EPP-W-5-4-P-400P

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.89	.84	.79	.75	.71	.68	.58	.56	.54
2	.75	.67	.60	.62	.57	.52	.48	.45	.42
3	.64	.55	.48	.53	.47	.41	.41	.37	.33
4	.55	.46	.39	.46	.39	.33	.35	.31	.27
5	.47	.38	.31	.39	.32	.26	.30	.25	.21
6	.41	.32	.25	.34	.27	.22	.26	.21	.17
7	.36	.27	.21	.30	.23	.18	.23	.18	.14
8	.32	.24	.18	.27	.20	.15	.20	.15	.11
9	.29	.20	.15	.24	.17	.12	.18	.13	.09
10	.26	.18	.13	.21	.15	.10	.16	.11	.08

S/MH Ratio 2.6
Total Lamp Lumens 42,000
Fixture Efficiency 95.4%

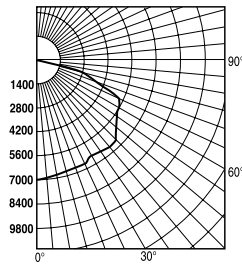


Report No.
PI 1464

400W Clear MH 22" Enclosed White Aluminum EPA-W-2-1-P-400P

Ceiling Refl.	80%			70%			50%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.73	.69	.66	.71	.68	.65	.68	.65	.63
2	.62	.57	.52	.61	.56	.52	.58	.54	.50
3	.54	.47	.42	.52	.47	.42	.50	.45	.41
4	.47	.40	.35	.46	.39	.34	.44	.38	.34
5	.41	.34	.29	.40	.34	.29	.39	.33	.29
6	.37	.30	.25	.36	.30	.25	.35	.29	.25
7	.33	.26	.22	.32	.26	.22	.31	.26	.21
8	.30	.23	.19	.29	.23	.19	.28	.23	.19
9	.27	.21	.17	.27	.21	.17	.26	.21	.17
10	.25	.19	.15	.25	.19	.15	.24	.19	.15

S/MH Ratio 1.43
Total Lamp Lumens 44,000
Fixture Efficiency 71%

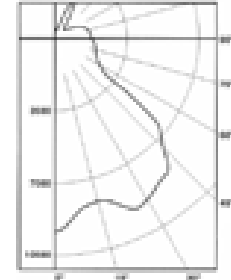


Report No.
PI 1452-10340

315W CLEAR MCE 22" Open SOFT-GLOW Acrylic EPP-O-2-3-P-315E

Ceiling Refl.	80%			70%			50%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.94	.90	.86	.90	.86	.82	.82	.79	.76
2	.82	.76	.70	.79	.73	.67	.72	.67	.63
3	.73	.65	.58	.69	.62	.57	.63	.58	.53
4	.64	.56	.50	.62	.54	.48	.57	.50	.45
5	.58	.49	.43	.55	.47	.41	.51	.44	.39
6	.52	.43	.37	.50	.42	.36	.46	.39	.34
7	.47	.38	.32	.45	.37	.32	.42	.35	.30
8	.43	.34	.29	.41	.33	.28	.38	.31	.27
9	.39	.31	.26	.37	.30	.25	.35	.28	.24
10	.36	.28	.23	.34	.27	.23	.32	.26	.22

S/MH Ratio 1.4
Total Lamp Lumens 37,800
Fixture Efficiency 97.1%

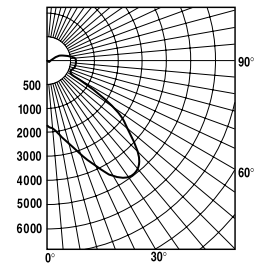


Report No.
03102

4-70W CFL 22" Open Acrylic EPP-O-2-4-P-470Q

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.85	.81	.77	.74	.71	.69	.62	.60	.59
2	.74	.68	.63	.65	.61	.57	.55	.52	.50
3	.65	.59	.53	.58	.53	.49	.49	.46	.43
4	.58	.51	.45	.51	.46	.41	.44	.40	.37
5	.51	.44	.38	.46	.40	.35	.39	.35	.31
6	.46	.38	.33	.41	.35	.30	.35	.30	.27
7	.41	.33	.28	.36	.30	.26	.31	.26	.23
8	.36	.29	.24	.32	.26	.22	.27	.23	.20
9	.32	.25	.20	.28	.23	.18	.24	.20	.16
10	.29	.22	.17	.26	.20	.16	.22	.17	.14

S/MH Ratio 2.2
Total Lamp Lumens 20,800
Fixture Efficiency 86.1%



Report No.
11542.0

ENVIROGUARD E-POD™ PERFORMANCE SPECIFICATIONS

MECHANICAL

The fixture shall be a die cast aluminum ballast enclosure, with 3/4" hub, and reflector cover with socket and reflector. A 6" stem will isolate the ballast from the lamp heat. The side mount ballast provides a low profile. It includes a 6' cord to power the lamp. The reflector cover will include a loop/hook. Quick disconnect options include: a loop/hook, cord and NEMA plug between the ballast pod and the building power and cord and plug between the ballast and the reflector. They may be either damp or hosedown listed. Higher ambient temperature fixture use is possible with lower wattage lamping. Consult factory for recommendations

The ballast and reflector castings shall be sealed with silicone gaskets. The acrylic lens shall be factory sealed with NSF and HOSE options or field attached with clips. Reflectors will be acrylic or aluminum. Three torsion springs on enclosed reflectors allow tool free re-lamping. There may be up to 4 compact fluorescents in each reflector.

Fixture 0-10V dimming sensors (occupancy or light level) may be factory installed for plug and play installation. Each sensor will operate up to 10 fixtures with telephone wire connections. Other options include CFL step dimming, wall switches and remote sensors. Consult the factory for options, features and recommendations.

PAINT

Finish shall meet ASTM B-117 and be approved NSF. It will consist of a 5 stage process of alkaline cleaning, iron phosphate pre-treatment and a 2 mil coating of polyester powder paint.

OPTICAL

Polymer reflectors and lens may be clear, low glare "Soft-Glo" and high impact acrylic. Aluminum may be painted or anodized. Borosilicate glass prismatic may be open or closed. Efficiencies shall be up to 96%.

BALLASTS

- Core and Coil – featuring high power factor, solids impregnation, constant wattage design, -30°F starting and pulse start operation. Low wattage 320 and 400 designs use only 350 and 434 watts.
- Electronic Electronic Metal Halide – features include: .86 to .96 lamp lumen depreciation, longer useful lamp life, full watts to the lamp, 25-30 internal watts lost, silent operation, 200-300 volt operation, toggle switch controlled lamp selection, integral 0-10V dimming to 50% power, acceptance of 50% voltage dip, -20°F to -30°F starting, self re-setting thermal disconnect, 3 year ballast manufacturer warranty.
- Electronic CFL – features high power factor, ballast factor of 1, universal voltage operation and fusing. 70 CFL starting is - 0°F.
- Induction – High power factor high frequency generator starts at -20°F. Provides 60 -100,000 hours of life.

LISTINGS

- Sealed electronic ballasted fixtures will be listed for 40°C. Lower wattage lamps can be used in a higher ambient. Consult factory for test results.
- Core and coil fixtures shall be wet or damp location listed for 55°C operation.
- Enclosed fixtures with acrylic or tempered glass enclosures shall be certified by the National Sanitation Foundation International (NSF).
- Twin Electronic fixture is listed for 55°C operation.