



enviroguard™  
super  
illuminator™  
series

**GUTH**®  
LIGHTING FOR  
DEMANDING  
ENVIRONMENTS



Open optics and lamp orientation.



Shallow open optics with 2.5" 16 cell parabolic louver.



Wide Guard.

## FEATURES & BENEFITS

### Mechanical

- Aluminum construction
- 2 mil polyester powder paint per ASTM B-117
- 3/4" threaded entry
- Tool free re-lamping
- Dirt resistant shape
- Up to 8 CFL lamps
- Horizontal lamping

### Optical/Lamps

- Up to 90% efficient
- 1.4 to 1 spacing
- 82% color accuracy
- 86% lumen maintenance
- Constant lamp lumens (25-60°C)
- 12,000-20,000 hour life CFL's
- 100,000 hour life induction lamp

### Electrical

- 10% THD electronic ballast
- Instant on
- Lamp switching
- Dimmable
- Quiet operation
- -22° F starting (PLH CFL's)
- Integral battery pack

### Listings

- ETL to UL 1598 at 40°C
- Damp and Wet Location



Acrylic drop lens.



Tempered glass prismatic lens.

## DESIGN GUIDE

Lamp & Number	Lamp Lumens	Fixture Efficiency	0-90° Lumens	Watts	Rated Life	Dimming Ballast
8-42 CFL	3,200 x 8	78%	19,968	372	12,000	Y
4-57 CFL	4,300 x 4	89%	15,308	252	12,000	Y
4-70 CFL	5,200 x 4	88%	18,304	304	12,000	Y
4-60 CFL	4,000 x 4	89%	14,240	272	20,000	NA
4-85 CFL	6,000 x 4	88%	21,120	388	20,000	NA
3-120 CFL	9,000 x 3	90%	24,300	408	20,000	NA
2-150 Icetron	12,000 x 2	82%	19,680	330	100,000	NA

## PROJECTS

- Baker City Armory, OR
- Berkley Dance Studio, CA
- Camp Pendleton, CA
- Scott Paper, CN
- Toyota Manufacturing, WV
- Hepburn Lycoming Elementary, PA
- Universal Church of Christ, OH
- York Central High School, PA
- MEC Offices, NV
- Mt Zion Church, OH
- Tulane University, LA
- Cox Elementary, GA
- Glad Tidings Church, LA

## TEMPERATURE RECOMMENDATIONS

Design	Maximum Ambient
No Ballast Cover	35°C (95°F)
Ballast Cover	40°C (104°F)
Vented Ballast Cover	45°C (113°F)

# Cogan Station, Pennsylvania – Hepburn Lycoming Elementary School

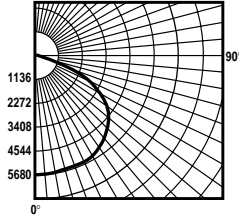
This entire 600 student school is undergoing a major upgrade. The large multi-purpose room is used for sports, music, meetings and stage recitals. The fixture has an aluminum reflector and a prismatic tempered glass lens that distributes the light evenly and without any glare. A wire guard, safety chain and 35° swivel hanger protect the fixtures from incidental impact. Illumination is provided by 8-42 watt compact fluorescent lamps that provide long life, 82% color accuracy, instant on after a power interruption and silent operation. Lamp switching allows four light levels to accommodate any activity, minimize energy and eliminate the need for emergency maintenance if a lamp fails.



# PHOTOMETRICS

## Coefficients of Utilization 4-70 Watt 25" Open White Aluminum Reflector SIO5-1NN-470Q

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
0	1.05	1.05	1.05	.98	.98	.98	.90	.90	.90
1	.93	.90	.87	.87	.85	.83	.81	.79	.78
2	.82	.77	.72	.78	.73	.70	.72	.69	.67
3	.73	.66	.61	.69	.64	.59	.64	.61	.57
4	.64	.57	.51	.61	.55	.50	.57	.53	.49
5	.56	.49	.43	.54	.47	.42	.50	.45	.41
6	.50	.42	.37	.48	.41	.36	.45	.40	.36
7	.45	.37	.32	.43	.36	.31	.40	.35	.31
8	.40	.32	.27	.38	.31	.27	.36	.30	.26
9	.35	.28	.23	.34	.27	.23	.32	.27	.23
10	.32	.25	.20	.31	.24	.20	.29	.24	.20

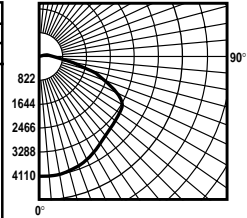


Report No.  
P11541.1

S/MH Ratio 1.4  
Total Lamp Lumens 20,800  
Fixture Efficiency 87.9%

## Coefficients of Utilization 4-70 Watt 25" Enclosed White Aluminum Reflector SIE5-1D1-470Q

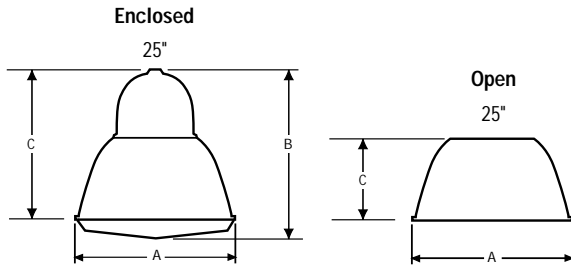
Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
0	.91	.91	.91	.84	.84	.84	.76	.76	.76
1	.82	.78	.75	.73	.70	.68	.66	.64	.63
2	.74	.68	.62	.63	.59	.55	.57	.54	.52
3	.68	.59	.53	.55	.50	.46	.50	.47	.43
4	.61	.52	.45	.48	.43	.38	.44	.40	.37
5	.56	.45	.38	.42	.36	.32	.39	.34	.30
6	.51	.40	.33	.37	.31	.27	.34	.30	.26
7	.47	.36	.28	.33	.27	.23	.31	.26	.22
8	.43	.32	.25	.30	.24	.20	.28	.23	.19
9	.39	.28	.22	.27	.21	.17	.25	.20	.16
10	.36	.26	.19	.24	.19	.15	.22	.18	.14



Report No.  
P11540.1

S/MH Ratio 1.4  
Total Lamp Lumens 20,800  
Fixture Efficiency 76.6%

## DIMENSIONS



REFL. DIA	DIM. A	DIM. B	DIM. C
25"	25 3/8"	NA	14 1/2"
25"	25 3/8"	25 3/4"	23"

Note: Enclosed units must have ballast cover.

## OPTIONS

### Electrical

- \*SSF – Slow Blow Fuse
- \*DIM – Dimming Ballast – consult factory
- \*XCKT – Multi Circuit Wiring – consult factory

### Mountings (For Damp Location Except "LH-WLP" & "LH-PT")

- \*LHCP-120 – Loop Hanger, 6' White Cord and NEMA 5-15 Molded Plug
- \*LHCP-277 – Loop Hanger, 6' White Cord and NEMA L11-15 Twist Lock Plug
- \*LH-PT – Wet/Damp Loop Hanger Cord Set with 3' Pigtails
- \*LH-WLP – Loop Hanger, 6' Cord with Hosedown Plug and Receptacle
- \*CS\_ – I.P. Stem with 45° White Swivel Canopy. Specify Length 3" to 72" ( )

### Safety

- \*BEF – 90 min. Fluorescent Battery Back-up Bodine CF-94 (1 LAMP 25°C) Requires ballast cover. Consult factory for increased battery capacities.
- \*BRC – Safety Chain
- \*AWG – Wire Guard
- \*LVR-25" – Louver



## ORDERING INFORMATION

<p><b>SERIES</b> SI – Super Illuminator™</p> <p><b>ENCLOSURE</b> W – Enclosed Wet † E – Enclosed Damp † O – Open Damp R – Open Wet</p> <p><b>SIZE</b> 5 – 25"</p>	<p><b>REFLECTOR</b> 1 – White Aluminum 2 – Anodized Aluminum †† 5 – Custom Finish</p> <p><b>LENS</b> N – None (use O or R Enclosure) G – Flat Tempered C-73 Glass D – Dropped Prismatic Acrylic</p> <p><b>BALLAST COVER</b> N – None (use O or R Enclosure) V – Vented (use with 1, 2, or 3 below) 1 – White Aluminum 2 – Anodized Aluminum 3 – Custom Finishes</p>	<p><b>VOLTAGE</b> D – 120/277</p> <p><b>LAMPING</b> 6-42T – 6LT 42W Triple Tube 8-42T – 8LT 42W Triple Tube 3-57Q – 3LT 57W Quad Tube 4-57Q – 4LT 57W Quad Tube 3-70Q – 3LT 70W Quad Tube 4-70Q – 4LT 70W Quad Tube 4-60H – 4LT 60W PLH 4-85H – 4LT 85W PLH 3-120H – 3LT 120W PLH 2-150I – 2LT 150W Icteron (Consult Factory)</p>
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### Project Name:

Type	Catalogue Number	Lamp	Comments



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