

GUARDTITE™ EXP EXPLOSION PROOF INCANDESCENT

For Hazardous or Explosive Environments, Indoor or Outdoor



FEATURES

- Corrosion resistant
- 300 Watt Incandescent
- Die cast aluminum
- Pendant, ceiling & bracket mounting
- Complies with Class I, II, Div. 2, Class III
- 1/2" to 3/4" HUB size

BENEFITS

- Protects lamp & socket

APPLICATIONS

- Indoor & outdoor
- Corrosive areas

Specifications/Features

GENERAL

- For use in explosive environments.
- Up to 300 watt Incandescent.

CONSTRUCTION

- Cast aluminum housings.
- One piece cast aluminum guard held in place by four 1/4"-20 screws.
- Lamp compartment sealed from wiring chamber.
- Inspection hole for easy splice access.
- Set screw keeps fixture from turning during relamping.
- Finished in gray corrosion-resistant epoxy enamel.
- Standard hub size 1/2" NPT (3/4" available).
- Junction box includes mounting lugs.

GLOBE

- Heat and impact resistant clear glass standard.

REFLECTORS (optional)

- Heavy gauge aluminum.
- Highly reflective baked white acrylic enamel.
- Globe, guard and reflector are removed for relamping by turning one thumb screw.

LISTINGS

- U.L. 844
Class I, Division 1 & 2, Groups C & D (300W PS-25 Max),
Class II, Division 1 & 2, Groups E, F, & G (150W Max),
Class III (150W Max).

UL Listing - Incandescent

LOCATION		UL LISTED MAXIMUM WATTAGE				Operating Temperature Code
Class, Division	Groups	Without Reflector	With Std. Dome Reflector	With 30° Angle Reflector		
I, 1 & 2	C & D	300	300	300	T3C	
I, 1 & 2	D Paint Spray	75	—	—	T4A	
II, 1 & 2	E & F	200	150	200	T3	
II, 1 & 2	E, F & G	100	—	150	T3C	
III	—	100	—	150	T3C	

- U.L. Listed for use in paint spray areas (75W Max).
- Suitable for Wet Locations.
- Complies with NEC, OSHA, CSA and NEMA specifications for all above classes and groups.
- See U.L. Listing Chart and "T" Code ratings.

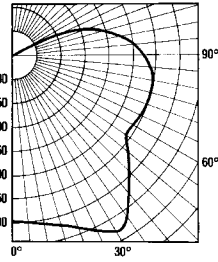
ELECTRICAL

- Voltage up to 250 VAC.
- Wattage up to 300.
- Medium base sockets; glazed porcelain exterior and nickel plated copper screws shell.

Photometrics

Coefficients of Utilization
Incandescent fixture with globe and 200W lamp.

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.72	.67	.63	.62	.58	.55	.50	.48	.46
2	.61	.54	.48	.53	.48	.43	.37	.34	.31
3	.53	.46	.41	.46	.41	.36	.37	.34	.31
4	.47	.39	.34	.40	.35	.30	.33	.29	.25
5	.41	.34	.29	.36	.30	.26	.29	.25	.22
6	.37	.30	.25	.32	.27	.22	.27	.23	.19
7	.33	.26	.22	.29	.23	.20	.24	.20	.17
8	.30	.23	.19	.26	.21	.17	.22	.18	.15
9	.28	.21	.17	.24	.19	.15	.20	.16	.13
10	.24	.18	.14	.22	.16	.13	.18	.14	.11

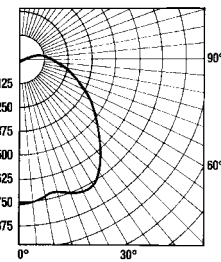


Total Lamp Lumens 4,010

Lamp Watts	Lumens	Multiplier
60W	870	.217
75W	1190	.297
100W	1750	.436
150W	2880	.718
200W	4010	1.000
300W	6360	1.586

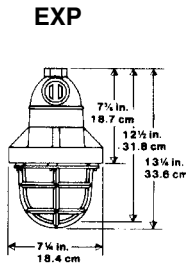
Coefficients of Utilization
Incandescent fixture with globe, dome reflector and 200W lamp.

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.71	.68	.66	.67	.65	.63	.62	.60	.59
2	.63	.59	.55	.59	.56	.53	.55	.52	.51
3	.56	.51	.47	.53	.49	.46	.49	.47	.44
4	.50	.44	.40	.47	.42	.39	.44	.41	.38
5	.44	.38	.34	.42	.37	.34	.40	.36	.33
6	.40	.34	.30	.38	.33	.30	.36	.32	.29
7	.36	.30	.27	.35	.29	.26	.33	.29	.29
8	.33	.27	.23	.31	.26	.23	.30	.26	.23
9	.30	.24	.21	.29	.24	.21	.27	.23	.20
10	.26	.21	.17	.25	.20	.17	.24	.20	.17

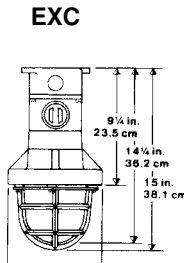


Total Lamp Lumens 4,010

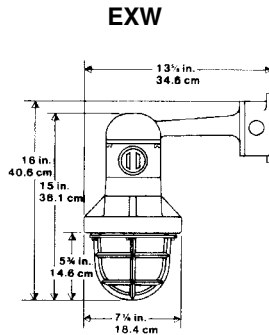
Dimensions



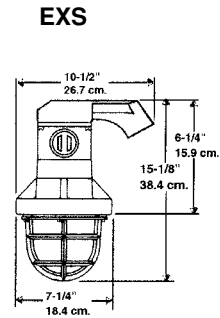
Shipping Weight
12 lb/5.4 kg.



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12 lb/5.4 kg.



Shipping Weight
15 lb/6.8 kg.



Shipping Weight
13 lb/5.0 kg.

Explosion Proof Incandescents Catalog Numbers



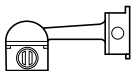
PENDANT

Catalog No.	Description
EXP300IG	300W Incandescent, Clear stippled lens, Die Cast Guard



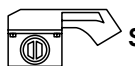
4" CEILING BOX

Catalog No.	Description
EXC300IG	300W Incandescent, Clear stippled lens, Die Cast Guard



4" WALL BOX BRACKET

Catalog No.	Description
EXW300IG	300W Incandescent, Clear stippled lens, Die Cast Guard



STANCHION

Catalog No.	Description
EXS300IG	300W Incandescent, Clear stippled lens, Die Cast Guard

Options

- "-3/4" - For 3/4" hub, standard hub is 1/2".
- EX200ST - For Dome reflector.
- EX200A - For 30° Angle reflector.

For Accessories see page H5.1.

Guth utilized the services of U.L. and ETL for listing products. Specifications and data are subject to change without notice.



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