

Star Glo (ILB)

Star Glo Specification

Star Glo features an economically efficient light source that has extra ruggedness required in many industrial installations. Available in 70 to 150 watt high pressure sodium lamp and 70 to 250 watt metal halide lamp. Available with (specify) 120, 208, 240, 277 volt (for 480V - consult factory), or 4MT (120,208,240,277V) 60Hz ballast. Luminaire shall be completely pre-wired for ease of installation.

Basic Product Description

One piece aluminum ballast/lamp housing and wiring compartment is finished in all weather bronze polyester powder coating. Choice of 2 optics, a reflector-refractor combination or a gasketed reflector with hinged clear tempered clear glass lens. Porcelain socket, nickel plated screw shell with lamp grips, and spring loaded center contact eliminates lamp loosening. Available with a variety of mounting options, with all exposed hardware being stainless steel.

Ballast Characteristics

The Star Glo shall contain a long lasting, U.L. recognized High Power Factor (HPF) ballast. Will start lamps at -20°F (-30°C) for metal halide and -40°F (-40°C) for high pressure sodium. Mercury vapor lamps may be used in 175 watt metal halide fixtures. For availability of 220/240V 50Hz ballasts - consult factory.

Reflector Assembly

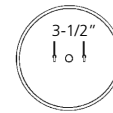
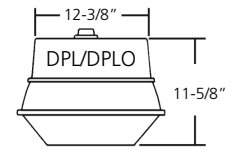
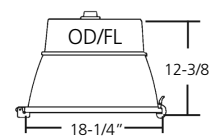
Spun aluminum with anodized finish, prismatic one piece injection molded polycarbonate drop (DPL enclosed or DPLO open) lens provides low brightness wide spread type V wide beam distribution; or available gasketed, hinged and latched clear tempered class lens providing direct type V wide beam distribution.



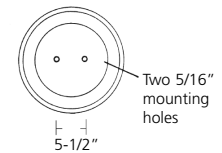
WEIGHT = 16-22 lbs



3/4" Threaded Hub
Pendant Mount



Direct to
Junction Box



Surface Mount with three
3/4" Threaded Hubs @ 90°

Accessories/Mounting Brackets,
see Accessory Page

Ordering Example

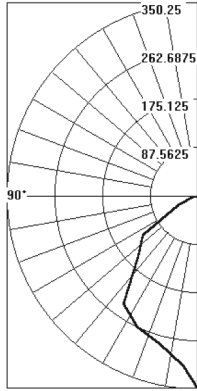
Unit ILB	Wattage 2	Photometrics 5	Mounting 7	Lamp Style LS	Voltage 120	Ballast Style H	Options DPL
Star Glo	1 - 100 2 - 150 3 - 175* 4 - 250**	5 - IES Type V	7- Pendant Mount 8- Ceiling Mount	H - Metal Halide LS - High Pressure Sodium	120 208 240 277 480 4MT- (120, 208, 240, 277V)	H - High Power Factor	DPL - Closed Polycarbonate Refractor DPLO - Open Bottom Polycarbonate Refractor FL - Flat Tempered Glass Lens OD - No Lens, Open Bottom
				Accessories SIF			
				KS - Key Hole Slot			
				FB - Filter Breather			
				SIF - Single Inline Fuse (120,277V)			
				DIF - Double Inline Fuse (208,240,480V)			
				EM - Emergency Quartz Relay and Socket			
				EM60 - Emergency Quartz Delay Relay and Socket			
				QS - Quartz Socket only - auxiliary power req'd.			
				3CPLG - 3' cord w/locking plug			
				WG - Wire Guard (OD & FL only)			
				MH 3/4 - 3/4" Male Hook			
				ML 3/4 - 3/4" Male Loop			
				MPH 3/4 - 3/4" Power Hook			
				Note: For use with flexible hangers - suffix catalog number with "Must Balance".			
*Flat or DPL only							
**Flat only							
CSA Certification - consult factory.							



INDUSTRIAL LIGHTING

Star Glo (ILB)

Photometrics



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	229.1	22.9	34.5
0-40	379.5	37.9	57.1
0-60	611.6	61.2	92.0
0-90	664.6	66.5	100.0
90-180	0.0	0.0	0.0
0-180	664.6	66.5	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80			70			50			30			10			0		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
1	74	72	70	68	72	70	68	67	68	66	65	65	64	63	63	62	61	60
2	69	65	62	59	68	64	61	58	62	59	57	60	58	56	58	56	54	53
3	64	59	55	51	63	58	54	51	56	53	50	54	51	49	53	50	48	47
4	60	53	49	45	59	53	48	45	51	47	44	50	46	44	48	45	43	42
5	55	48	43	40	54	48	43	39	46	42	39	45	42	39	44	41	38	37
6	51	44	39	35	50	43	38	35	42	38	34	41	37	34	40	37	34	33
7	47	39	34	30	46	39	34	30	38	33	30	37	33	30	36	33	30	29
8	44	36	31	27	43	35	30	27	35	30	27	34	30	27	33	29	27	25
9	41	33	27	24	40	32	27	24	31	27	24	31	27	24	30	26	24	23
10	38	30	25	21	37	29	25	21	29	24	21	28	24	21	28	24	21	20

Catalog Number: ILB-257LS-FL
Lamp: Clear High Pressure Sodium

Reflector: Diffuse reflector, spun aluminum, main reflector, clear, flat, gasketed cover glass

Lumens: Per 1,000 lamp lumens

Efficiency: 66.5%

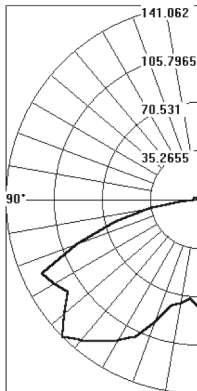
CIE Type: Direct

Luminaire Spacing Criteria: 1.2 adjacent, 1.2 square

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	350.3	
5	310.0	29.4
15	277.0	78.4
25	262.0	121.3
35	239.4	150.4
45	155.3	120.1
55	124.8	112.0
65	40.8	40.5
75	11.0	11.8
85	0.7	0.8
90	0	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	80.6	8.1	13.6
0-40	159.8	16.0	27.1
0-60	373.7	37.4	63.3
0-90	578.0	57.8	97.9
90-180	12.3	1.2	2.1
0-180	590.2	59.0	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80			70			50			30			10			0		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
1	63	60	57	55	61	59	56	54	56	54	52	53	52	50	51	50	48	47
2	57	51	47	43	55	50	46	42	48	44	41	45	43	40	43	41	39	37
3	51	44	38	34	49	43	38	34	41	36	33	39	35	32	37	34	31	30
4	46	38	32	28	44	37	32	27	35	31	27	34	30	26	32	29	26	24
5	41	33	27	22	40	32	26	22	31	26	22	29	25	22	28	24	21	20
6	37	29	23	18	36	28	22	18	27	22	18	26	21	18	24	20	17	16
7	34	25	19	15	33	24	19	15	23	18	15	22	18	15	21	17	14	13
8	31	22	17	13	30	22	16	13	21	16	13	20	16	12	19	15	12	11
9	29	20	14	11	28	19	14	11	19	14	10	18	13	10	17	13	10	9
10	26	18	12	9	25	17	12	9	17	12	9	16	12	9	15	11	9	7

Catalog Number: ILB-257LS-DPL
Lamp: Clear High Pressure Sodium

Reflector: Diffuse spun aluminum reflector, closed bottom prismatic refractor

Lumens: Per 1,000 lamp lumens

Efficiency: 59.0%

CIE Type: Direct

Luminaire Spacing Criteria: 2.0 adjacent, 2.0 square

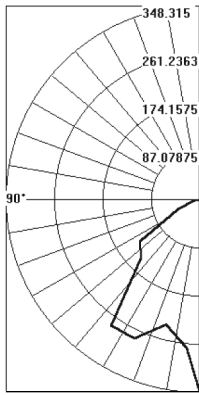
Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	78.1	
5	72.5	8.0
15	80.3	26.0
25	110.0	58.2
35	126.1	90.5
45	141.1	124.8
55	116.8	119.7
65	126.8	144.0
75	64.0	77.3
85	9.8	12.2
90	4.4	
95	3.6	4.4
105	3.8	4.5
115	2.8	3.2
125	1.6	1.6
135	0.3	0.2
145	0.1	0.1
155	0.0	0.0
165	0.0	0.0
175	0.0	0.0
180	0.0	0.0



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ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	220.2	22.0	32.2
0-40	395.1	39.5	57.7
0-60	628.1	62.8	91.7
0-90	684.7	68.5	100.0
90-180	0.0	0.0	0.0
0-180	684.7	68.5	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80			70			50			30			10			0		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
1	76	74	72	70	75	72	70	69	70	68	66	67	66	64	65	64	63	61
2	71	67	63	60	70	66	62	60	63	61	58	61	59	57	59	57	56	55
3	66	60	56	52	65	59	55	52	57	54	51	56	53	50	54	51	49	48
4	61	55	50	46	60	54	49	46	52	58	45	51	47	44	49	46	44	43
5	57	49	44	40	55	49	44	40	47	43	40	46	42	39	45	41	39	37
6	52	44	39	35	51	44	39	35	43	38	35	41	37	34	40	37	34	33
7	48	40	34	30	47	39	34	30	38	34	30	37	33	30	36	33	30	28
8	45	36	31	27	44	36	30	27	35	30	27	34	30	27	33	29	26	25
9	41	33	27	24	40	32	27	24	31	27	24	31	26	23	30	26	23	22
10	38	30	24	21	37	29	24	21	29	24	21	28	24	21	27	23	21	20

Catalog Number: ILB-357H-FL
Lamp: Clear Metal Halide

Reflector: Diffuse spun aluminum main reflector w/semi specular auxiliary reflector; clear flat, gasketed cover glass closed bottom prismatic refractor

Lumens: Per 1,000 lamp lumens

Efficiency: 68.5%

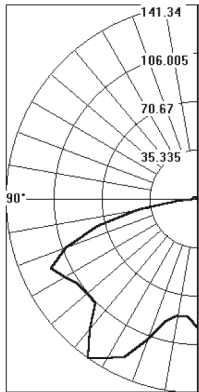
CIE Type: Direct

Luminaire Spacing Criteria: 1.3 adjacent, 1.2 square

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	348.4	
5	269.6	
15	235.0	
25	276.6	
35	278.4	
45	149.0	
55	131.4	
65	44.3	
75	11.3	
85	0.6	
90	0.0	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	93.0	9.3	15.9
0-40	181.6	18.2	31.0
0-60	361.0	36.1	61.7
0-90	574.0	57.4	98.0
90-180	11.5	1.1	2.0
0-180	585.4	58.5	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80			70			50			30			10			0		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
1	63	59	57	54	61	58	55	53	55	53	51	53	51	49	50	49	48	46
2	56	50	46	42	54	49	45	42	47	43	40	45	42	39	43	40	38	37
3	50	43	38	33	48	42	37	33	40	36	32	38	35	31	37	33	31	29
4	45	38	32	28	44	37	31	27	35	30	27	33	29	26	32	29	26	24
5	41	33	27	23	40	32	26	22	31	26	22	29	25	22	28	24	21	20
6	37	29	23	19	36	28	23	19	27	22	18	26	21	18	25	21	18	16
7	34	25	20	16	33	25	19	16	24	19	15	23	18	15	22	18	15	14
8	32	23	17	14	30	22	17	13	21	17	13	21	16	13	20	16	13	12
9	29	20	15	12	28	20	15	11	19	15	11	18	14	11	18	14	11	10
10	27	18	13	10	26	18	13	10	17	13	10	17	13	10	16	12	10	8

Catalog Number: ILB-357H-DPL
Lamp: Clear Metal Halide

Reflector: Diffuse spun aluminum reflector, closed bottom prismatic refractor

Lumens: Per 1,000 lamp lumens

Efficiency: 58.5%

CIE Type: Direct

Luminaire Spacing Criteria: 1.8 adjacent, 1.9 square

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	93.6	
5	86.2	8.2
15	92.0	26.0
25	126.6	58.6
35	141.4	88.8
45	106.7	82.6
55	108.0	96.8
65	119.5	118.6
75	77.1	81.6
85	11.6	12.6
90	5.0	
95	3.7	4.1
105	3.5	3.7
115	2.6	2.6
125	0.9	0.8
135	0.4	0.3
145	0.0	0.0
155	0.0	0.0
165	0.0	0.0
175	0.0	0.0
180	0.0	

