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 Induction Lighting Provider
 (614) 556-7118

GGL-150ALA-18A

Aluminum Induction High Bay.



Features:

- ✓ Die cast housing with power painting.
- ✓ High purity aluminum reflector with vacuum coated inner surface.
- ✓ Assembled with 150W Induction lamp
- ✓ Optional flat tempered glass, polycarbonate lens.

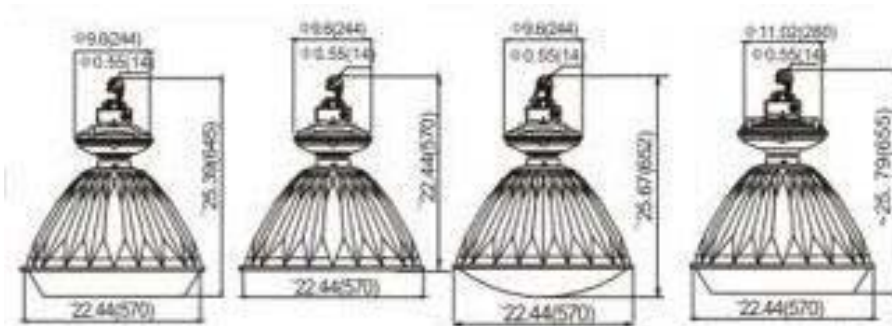


Applications:

Retail stores, warehouses, shopping malls.

Lamp and Ballast:

- Round tubular induction lamp features high lighting efficacy, long life, excellent color rendering index (CRI) and stable output.
- Electronic ballast features high power factor (>0.95).



Fixture Specifications										
#	Fixture Model #	Lamp	Wattage	Voltage	Kelvin	Ambient T. (C)	Install	IP Class	Note	UL
1	GGL-120ALA-18A	RD120	120W	120-277V	5,000	-20- +40	Hanging conduit/ hook suspended.	IP43 (ballast compartment)	22" AL Hood Optional lens, tempered glass, acrylic PC	X
2	GGL-150ALA-18A	RD150	150W							
3	GGL-200ALA-18A	RD200	200W							
4	GGL-250ALA-18A	RD250	250W						22" AL hood, acrylic lens	

*Color temperature 2,720-6,500 available upon request

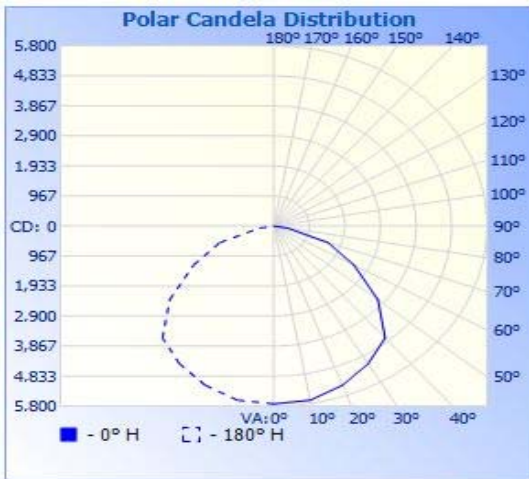


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GGL-150ALA-18A Luminaire Photometric Report.

- Luminaire:** 150W High Bay with Aluminum Hood
- Luminaire Cat:** GGL-150ALA-18A
- Lamp:** (1) 150W Induction
- Lamp Output:** (1) lamp, rated lumens/Lamp 14400
- Max Candela:** 5,726.0 at Horizontal: 0°, Vertical 30°
- Input Wattage:** 160
- Luminous Opening:** Circular
- Photometry:** Type C
- CIE Class:** Direct, full cutoff
- Input voltage:** 120-277V 50/60Hz.
- Long life:** Average lifetime of 100,000 hours.
- High lighting efficiency:** 65-90 lm/w
- High color rendering index:** Above 80 CRI.
- Quick start:** Instant start and re-strike.
- High power factor:** 0.95.
- High frequency operation:** No flickering, eyesight friendly.
- Low Lamp Lumen Depreciation:** Luminance maintenance rate 70% at 60,000 hours.
- Optional color temperatures:** 2720-6500K
- Constant wattage output:** The lamps output varies less than 3% with the input fluctuation up to ± 10%.
- Strong adaptability:** Operating ambient temperature -20°C+ 50°C with enclosed fixture, lamp for -40° available.
- Low harmonic distortion:** THD<10% meets international standard level L.
- Dimming function:** Optional intelligent dimming controller.



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	4,560.2	31.7%	27%
0-40	7,640.3	53.1%	45.2%
0-60	13,646.6	94.8%	80.7%
60-90	3,259.1	22.6%	19.3%
0-90	16,905.7	117.4%	100%
90-180	0	0%	0%
0-180	16,905.7	117.4%	100%
Efficiency Total: 117.4%			

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	544.3	3.2%	90-100	0	0%
10-20	1,574.5	9.3%	100-110	0	0%
20-30	2,441.4	14.4%	110-120	0	0%
30-40	3,080.1	18.2%	120-130	0	0%
40-50	3,236.1	19.1%	130-140	0	0%
50-60	2,770.3	16.4%	140-150	0	0%
60-70	2,015.8	11.9%	150-160	0	0%
70-80	1,028.8	6.1%	160-170	0	0%
80-90	214.6	1.3%	170-180	0	0%

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%																			
	80				70				50				30				10			
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0		
RCR: 0	1.40	1.40	1.40	1.40	1.37	1.37	1.37	1.17	1.30	1.30	1.30	1.25	1.25	1.25	1.20	1.20	1.20	1.17		
1	1.28	1.23	1.18	1.13	1.25	1.20	1.16	1.00	1.15	1.11	1.08	1.10	1.07	1.05	1.06	1.04	1.02	.99		
2	1.17	1.07	.99	.93	1.13	1.05	.98	.84	1.01	.95	.89	.97	.92	.87	.93	.89	.85	.83		
3	1.06	.94	.85	.77	1.03	.92	.83	.72	.89	.81	.75	.85	.79	.74	.82	.77	.72	.70		
4	.97	.83	.73	.65	.95	.82	.72	.62	.79	.70	.64	.76	.69	.63	.73	.67	.62	.60		
5	.89	.74	.64	.56	.87	.73	.63	.54	.70	.62	.55	.68	.60	.54	.66	.59	.54	.51		
6	.82	.67	.56	.49	.80	.66	.56	.47	.64	.55	.48	.62	.54	.48	.60	.53	.47	.45		
7	.76	.60	.50	.43	.74	.60	.50	.42	.58	.49	.42	.56	.48	.42	.54	.47	.42	.40		
8	.71	.55	.45	.38	.69	.54	.45	.37	.53	.44	.38	.51	.43	.38	.50	.43	.37	.35		
9	.66	.51	.41	.34	.65	.50	.41	.34	.48	.40	.34	.47	.39	.34	.46	.39	.34	.32		
10	.62	.47	.37	.31	.61	.46	.37	.30	.45	.37	.31	.44	.36	.31	.43	.36	.31	.28		