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 Induction Lighting Provider
 (614) 556-7118

GGL-100ALA-18A

Aluminum Induction High Bay.



Features:

- ✓ Die cast housing with power painting.
- ✓ High purity aluminum reflector with vacuum coated inner surface.
- ✓ Assembled with 100W Induction lamp

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-70ALA-18A	RD70	70W	120-277V	5,000	-20- +40	Hanging conduit/ hook suspended.	IP43 (ballast compartment)	16" AL Hood	X
2	GGL-80ALA-18A	RD80	80W							
3	GGL-100ALA-18A	RD100	100W							

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

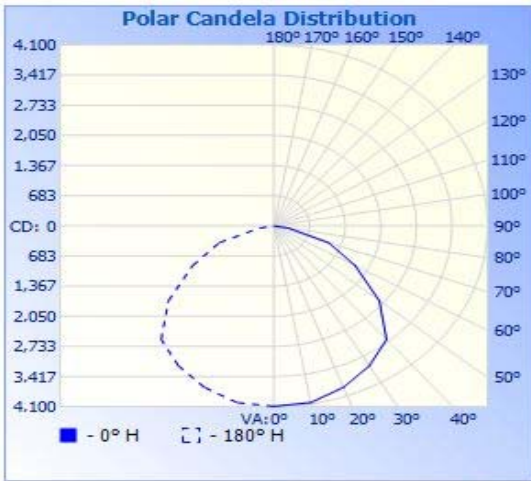


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GGL-100ALA-18A Luminaire Photometric Report.

- Luminaire:** 100W High Bay with Aluminum Hood
- Luminaire Cat:** GGL-100ALA-18A
- Lamp:** (1) 200W Induction
- Lamp Output:** (1) lamp, rated lumens/Lamp 9625
- Max Candela:** 4,090.0 at Horizontal: 0°, Vertical 0°
- Input Wattage:** 110
- 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 $\pm 10\%$.
- 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	3,257.3	33.8%	27%
0-40	5,457.3	56.7%	45.2%
0-60	9,747.6	101.3%	80.7%
60-90	2,327.9	24.2%	19.3%
0-90	12,075.5	125.5%	100%
90-180	0	0%	0%
0-180	12,075.5	125.5%	100%

Efficiency Total: 125.5%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	388.8	3.2%	90-100	0	0%
10-20	1,124.7	9.3%	100-110	0	0%
20-30	1,743.8	14.4%	110-120	0	0%
30-40	2,200.0	18.2%	120-130	0	0%
40-50	2,311.5	19.1%	130-140	0	0%
50-60	1,978.8	16.4%	140-150	0	0%
60-70	1,439.8	11.9%	150-160	0	0%
70-80	734.8	6.1%	160-170	0	0%
80-90	153.3	1.3%	170-180	0	0%

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80				70				50				30				10				0			
	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	50	30	20	0
RW %:	1.49	1.49	1.49	1.49	1.46	1.46	1.46	1.25	1.39	1.39	1.39	1.33	1.33	1.33	1.33	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
RCR: 0	1.49	1.49	1.49	1.49	1.46	1.46	1.46	1.25	1.39	1.39	1.39	1.33	1.33	1.33	1.33	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
1	1.37	1.31	1.26	1.21	1.33	1.28	1.23	1.07	1.23	1.19	1.15	1.18	1.15	1.12	1.12	1.13	1.11	1.09	1.09	1.06	1.06	1.06	1.06	1.06
2	1.25	1.14	1.06	.99	1.21	1.12	1.04	.90	1.08	1.01	.95	1.03	.98	.93	.93	1.00	.95	.91	.91	.88	.88	.88	.88	.88
3	1.14	1.00	.90	.82	1.10	.98	.89	.77	.95	.87	.80	.91	.84	.79	.79	.88	.82	.77	.77	.75	.75	.75	.75	.75
4	1.04	.89	.78	.70	1.01	.87	.77	.66	.84	.75	.68	.81	.73	.67	.67	.78	.72	.66	.66	.64	.64	.64	.64	.64
5	.95	.79	.68	.60	.93	.78	.67	.57	.75	.66	.59	.73	.65	.58	.58	.71	.63	.58	.58	.55	.55	.55	.55	.55
6	.88	.71	.60	.52	.86	.70	.60	.50	.68	.58	.51	.66	.57	.51	.51	.64	.56	.50	.50	.48	.48	.48	.48	.48
7	.82	.65	.54	.46	.79	.64	.53	.45	.62	.52	.45	.60	.51	.45	.45	.58	.51	.45	.45	.42	.42	.42	.42	.42
8	.76	.59	.48	.41	.74	.58	.48	.40	.56	.47	.40	.55	.46	.40	.40	.53	.46	.40	.40	.38	.38	.38	.38	.38
9	.71	.54	.44	.37	.69	.53	.43	.36	.52	.43	.36	.50	.42	.36	.36	.49	.42	.36	.36	.34	.34	.34	.34	.34
10	.66	.50	.40	.33	.65	.49	.40	.33	.48	.39	.33	.47	.39	.33	.33	.46	.38	.33	.33	.30	.30	.30	.30	.30