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 Induction Lighting Provider  
 (614) 556-7118

# GGL-250PC-18

## PC Induction High Bay.

### Features:

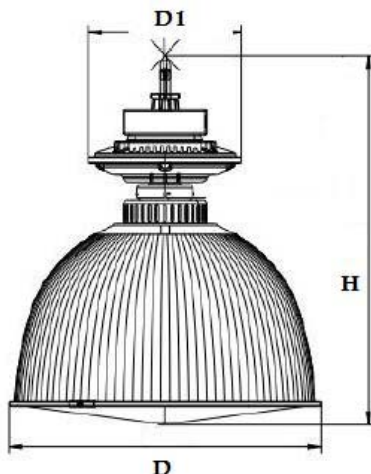
- ✓ Die cast housing with power painting.
- ✓ PC + UV reflector.
- ✓ Assembled with 250W Induction lamp

### 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 Dimensions				
Model #	D	D1	H	Note
GGL-70-100PC-18	16.14"	8.07"	23.62"	16" hood
GGL-120-150PC-18	22.44"	9.6"	27.24"	22" hood
GGL-200PC-18	22.44"	9.6"	27.24"	22" hood
GGL-250PC-18	22.44"	11.02"	27.72"	22" hood

Fixture Specifications										
#	Fixture Model #	Lamp	Wattage	Voltage	Kelvin	Ambient T. (C)	Install	IP Class	Note	UL
1	GGL-70PC-18	RD70	70W	120-277V	5,000	-20- +40	Hanging conduit/ hook suspended.	IP43 (ballast compartment)	16" Hood	X
2	GGL-80PC-18	RD80	80W							
3	GGL-100PC-18	RD100	100W							
3	GGL-120PC-18	RD120	120W							
4	GGL-150PC-18	RD150	150W							
5	GGL-200PC-18	RD200	200W							
6	GGL-250PC-18	RD250	250W					22" Hood	X	

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

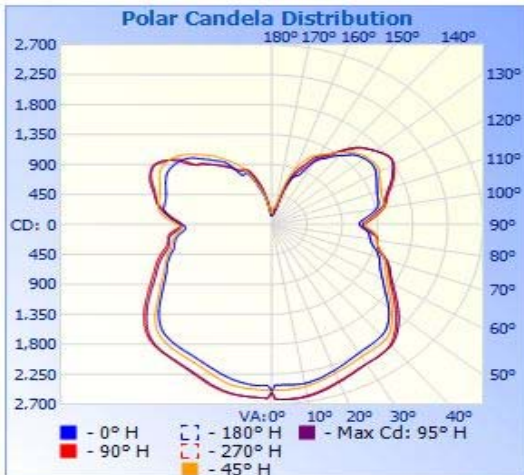


# GGL-250PC-18

## PC Induction High Bay.

### GGL-250PC-18 Luminaire Photometric Report.

**Luminaire:** 250 W High Bay with Poly Carbonate Hood  
**Luminaire Cat:** GGL-250PC-18  
**Lamp:** (1) 250W Induction  
**Lamp Output:** (1) lamp, rated lumens/Lamp 19770.25  
**Max Candela:** 2,635.5 at Horizontal: 90°, Vertical 4°  
**Input Wattage:** 262  
**Luminous Opening:** Circular  
**Photometry:** Type C  
**CIE Class:** Semi-Direct  
**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 RI.  
**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	2,030.4	10.3%	10.3%
0-40	3,470.3	17.6%	17.6%
0-60	6,780.7	34.3%	34.3%
60-90	4,376.0	22.1%	22.1%
0-90	11,156.7	56.4%	56.4%
90-180	8,613.6	43.6%	43.6%
0-180	19,770.3	100%	100%
Efficiency Total: 100%			

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	240.6	1.2%	90-100	1,406.2	7.1%
10-20	698.6	3.5%	100-110	1,559.7	7.9%
20-30	1,091.2	5.5%	110-120	1,588.9	8%
30-40	1,439.9	7.3%	120-130	1,494.0	7.6%
40-50	1,663.3	8.4%	130-140	1,165.9	5.9%
50-60	1,647.1	8.3%	140-150	777.7	3.9%
60-70	1,566.7	7.9%	150-160	436.9	2.2%
70-80	1,464.9	7.4%	160-170	161.7	0.8%
80-90	1,344.4	6.8%	170-180	22.6	0.1%

#### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.09	1.09	1.09	1.09	1.01	1.01	1.01	.56	.87	.87	.87	.74	.74	.74	.62	.62	.62	.56
1	.96	.90	.85	.81	.89	.84	.79	.42	.72	.68	.65	.60	.58	.55	.50	.48	.46	.41
2	.86	.77	.70	.64	.80	.72	.65	.33	.61	.56	.52	.51	.47	.44	.42	.39	.37	.32
3	.78	.67	.58	.52	.72	.62	.55	.27	.53	.47	.42	.44	.40	.36	.37	.33	.30	.26
4	.71	.59	.50	.43	.65	.55	.47	.23	.47	.40	.35	.39	.34	.30	.32	.28	.25	.22
5	.65	.52	.43	.36	.60	.48	.40	.19	.41	.35	.30	.35	.30	.26	.29	.25	.21	.18
6	.60	.46	.38	.31	.55	.43	.35	.17	.37	.31	.26	.31	.26	.22	.26	.22	.19	.16
7	.55	.42	.33	.27	.51	.39	.31	.15	.33	.27	.22	.28	.23	.19	.23	.19	.16	.14
8	.51	.38	.29	.24	.47	.35	.28	.13	.30	.24	.20	.26	.21	.17	.21	.17	.14	.12
9	.47	.34	.26	.21	.44	.32	.25	.12	.28	.22	.17	.24	.19	.15	.20	.16	.13	.11
10	.44	.32	.24	.19	.41	.29	.22	.11	.26	.20	.16	.22	.17	.14	.18	.14	.12	.10