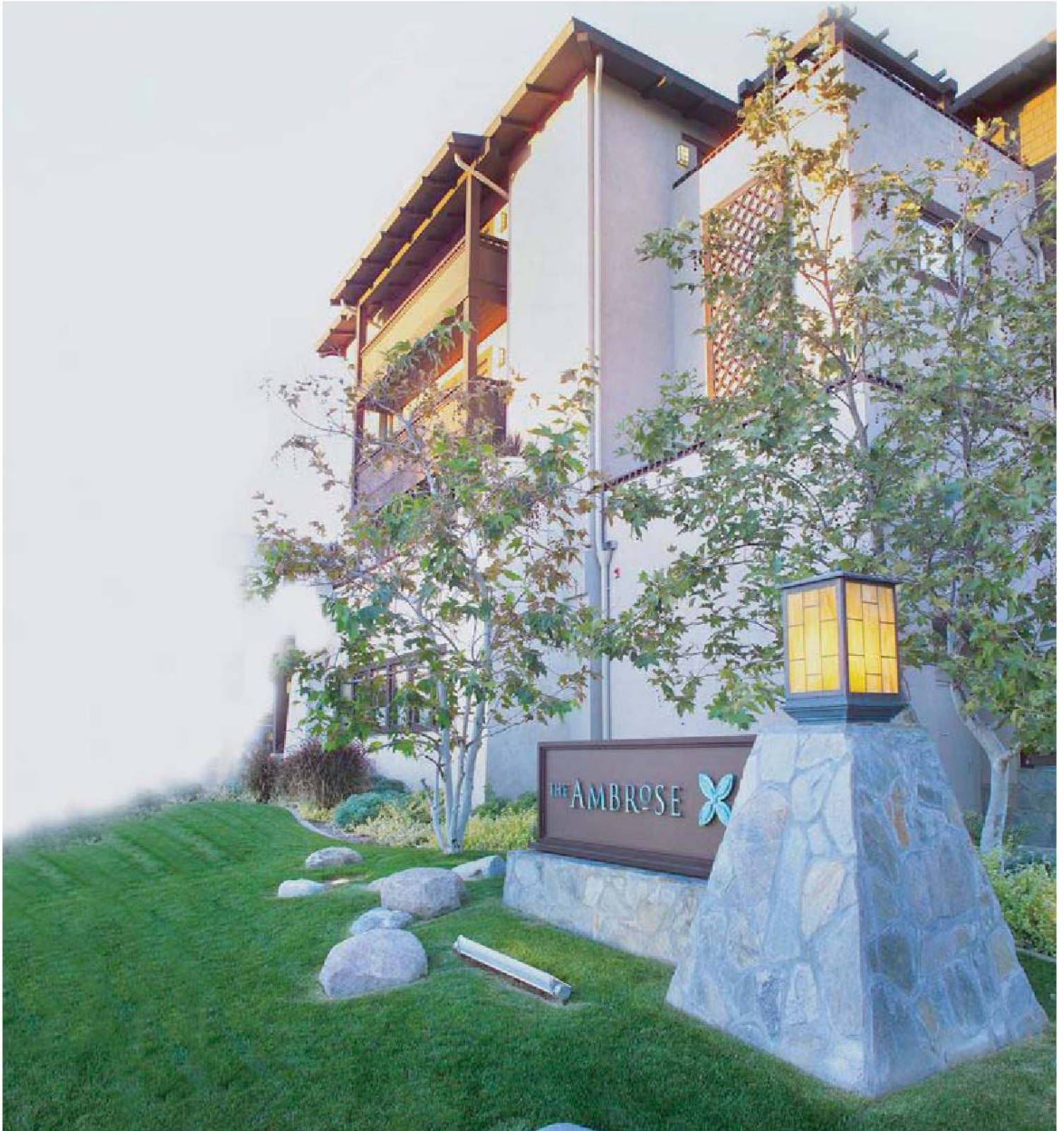


from Architectural Detail Group

inc.



<http://www.adgecolp.com>

ADG Ecolighting

Advanced Lighting Technologies

ADGEco™ Induction Lighting

ADG Eco Lighting electrode-less induction lighting leverages new technology developments to provide a high-efficiency, low-maintenance, long-term lighting solution. With a 100,000-hour rated life, ADG's induction lamps are ideal for outdoor applications where re-lamping is expensive or cumbersome, as in parking lots, street lighting, tunnels, or indoors for high bay fixtures. Versatile mounting options make them the ideal choice for a variety of pole, ceiling and wall-mounted applications.

How do Econergy Lamps Save Energy?

Typical HID lighting has steep lumen depreciation curves, losing as much as half its initial light output by the time it reaches midlife. ADG Ecolighting is manufactured with technology developed for the back light panel display industry, which reduces lumen depreciation to less than 30% over the 100,000-hour life of the lamp.

Since HID lamps tend to be over-designed, providing higher initial lumens to compensate for fast degradation, wattage is being wasted due to expected light loss. High lumen maintenance levels makes this over-compensation unnecessary.

In addition, ADG Ecolighting provides much higher level of luminous efficacy (lumen/watt) due to scotopic factors: high color temperature (K) combined with high color rendering index (CRI). The resulting clean, crisp white light is better to read, work and sell under. Colors are truer and merchandise looks real. This better visual acuity is achieved using less energy than with other, higher-wattage lamps.

As a result, ADG Eco lamps are over 50% more efficient than the typical HID lighting they replace. Depending on the application, one 150 - watt induction lamp may replace a 360 or even a 400 watt HID lamp. Moreover, it will provide more consistent illumination over a much longer period of time.



Gradual, minimal light depreciation ensures predictable, uniform illumination over many years.

Slashing Maintenance Costs

Re-lamping outdoor or high-bay fixtures is both costly and cumbersome, involving specialized equipment and maintenance crews. Since Induction lamps have a rated life of 100,000 or longer than 10 years(*), they can be expected to last four to five times longer than typical HID lamps. This means the frequency of replacement goes down to virtually zero. ADG's induction lighting will pay for itself with energy and labor savings on spot replacement and re-lamping costs alone.

* assuming a burn rate of 12-14 hours a day

NOTES:

- Four components make up the induction system: lamp, power coupler, heat sink and generator
- Approximate lumen values listed are for vertical operation of the lamp
- Mean lumens is the approximate output at 40% of rated average life

Unparalleled Warranty

The quality and durability of this product is so outstanding that ADG Ecolighting is offering the strongest, most comprehensive warranty program in the industry. We back our fixtures for 10 years and our bulbs and ballasts for 5 years.



The European Community



ISO 14001



USA Federal Communications Commission



ISO9001



North America Industry Standard



High Energy Efficient Equipment Label

ELECTRODELESS INDUCTION LAMPS

http://www.adgecolp.com

Induction Lamps

07



Induction Lamp Specifications :

Product No.	Model No.	Wattage (W)	Operating Frequency (KHz)	Rated Initial Luminance (Lm)	Efficacy (Lm/W)	Luminance Maintenance (40 Khrs)	CRI	Color Temperature (K)	Average Lifetime (hrs)
See Price Sheet	See Price Sheet	55	250	3300~3575	60~65	70%	≥ 80	4000	60,000
See Price Sheet								5000	
See Price Sheet	See Price Sheet	85		5520~5950	65~70			4000	
See Price Sheet								5000	
See Price Sheet	See Price Sheet	100		6500~7000	65~70			4000	
See Price Sheet								5000	
See Price Sheet	See Price Sheet	165		10725~11550	65~70			4000	
See Price Sheet								5000	
See Price Sheet	See Price Sheet	200		13000~14000	65~70			4000	
See Price Sheet								5000	

- Note: 1、 Color Temperature 2720-6500 available upon request.
 2、 Operating ambient temperature 0°C ~ +50°C (without fixture, or with open fixture).
 3、 Operating ambient temperature -20°C ~ +40°C (with enclosed fixture).
 4、 Product for operating at ambient temperature (-40°C~ 0°C) available upon request.

Product NO.

Ordering code :See Price Sheet

* The above data is subject to change without notice

ELECTRODELESS INDUCTION LAMPS



Ball Type Induction Bulb



Induction Lamp Specifications :

Product No.	Model No.	Wattage (W)	Operating Frequency (KHz)	Rated Initial Luminance (Lm)	Efficacy (Lm/W)	Luminance Maintenance (40 Khrs)	CRI	Color Temperature (K)	Average Lifetime (hrs)
See Price Sheet	See Price Sheet	35	250	2275~2450	65~70	70%	≥ 80	4000	60,000
See Price Sheet								5000	
See Price Sheet	55	3575~3850		4000					
See Price Sheet				5000					
See Price Sheet	See Price Sheet	85		5950~6375	70~75			4000	
See Price Sheet								5000	
See Price Sheet	See Price Sheet	100		7000~7500				4000	
See Price Sheet								5000	
See Price Sheet	See Price Sheet	120		8400~9000	4000				
See Price Sheet					5000				
See Price Sheet	See Price Sheet	165		11550~12375	4000				
See Price Sheet					5000				
See Price Sheet	See Price Sheet	200	14000~15000	4000					
See Price Sheet				5000					
See Price Sheet	See Price Sheet	250	17500~18750	4000					
See Price Sheet				5000					

- * Note: 1、 Color Temperature 2720-6500 available upon request.
 2、 Operating ambient temperature 0°C ~ +50°C (without fixture, or with open fixture).
 3、 Operating ambient temperature -20°C ~ +40°C (with enclosed fixture).
 4、 Product for operating at ambient temperature (-40°C~ 0°C) available upon request.

Product NO.

Ordering code : See Price Sheet

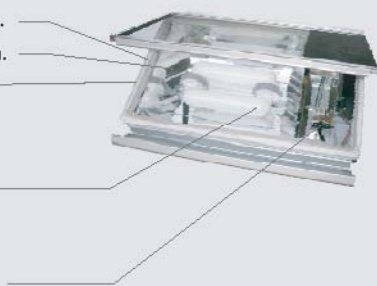
* The above data is subject to change without notice.

Features :

- Square profiled aluminum housing concealed with two extruded welding side covers for high IP rating.
- Anodized aluminum reflector and clear tempered glass lens are designed to optimize light distribution.
- Gas-tight silicon rubber seal made for wet locations.
- Front opening structure, easy for maintenance.

Lamp and ballast :

- Our 70W ~200W square tubular induction lamp features high lighting efficacy, long lifetime, good color rendering, stable output, etc, improving driving environment and safety ,saving energy and decreasing overall running cost.
- Our electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.

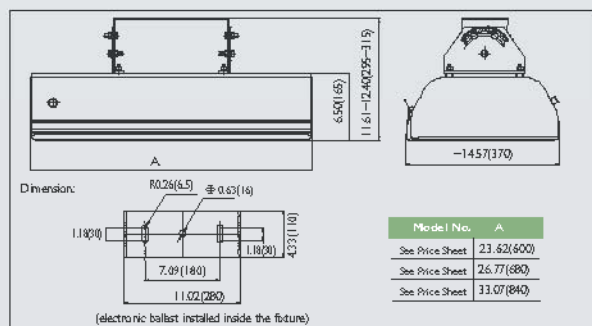


Applications :

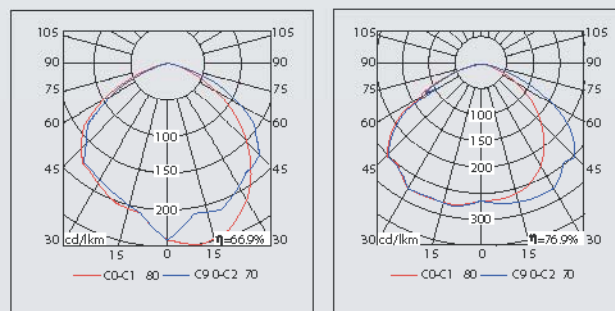
- Tunnel, freeway, highway, parking lots, public entrances, off-street areas.



Dimensions :



Photometric :



Fixture Specifications :

Product No.	Fixture Model No.	Lamp	Wattage (W)	Voltage (V)	Color Temperature (K)	Ambient Temperature (C°)	Installation	IP class
See Price Sheet	See Price Sheet	See Price Sheet See Price Sheet See Price Sheet	70 80 100	120~277	5000	-20° ~+40°	"U" bracket, horizontal ±30°	IP65
See Price Sheet	See Price Sheet	See Price Sheet See Price Sheet	120 150				"U" bracket, horizontal ±30°	
See Price Sheet	See Price Sheet	See Price Sheet	200				"U" bracket, horizontal ±30°	

Product NO. **Lamp**

* Note:Color Temperature 2720-6500 available upon request.

Ordering code : See Price Sheet

** The above data is subject to change without notice.

TUNNEL LUMINAIRE

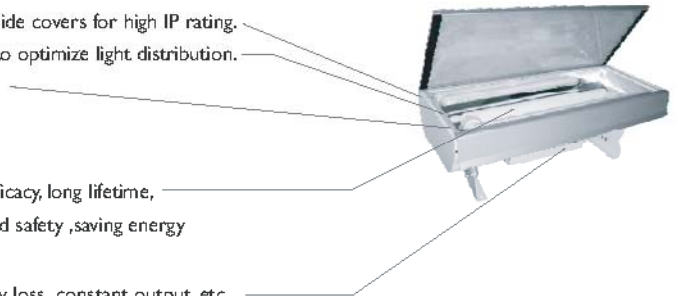


Features :

- Square profiled aluminum housing concealed with two extruded welding side covers for high IP rating.
- Anodized aluminum reflector and clear tempered glass lens are designed to optimize light distribution.
- Gas-tight silicon rubber seal made for wet locations.
- Front opening structure, easy for maintenance.

Lamp and ballast :

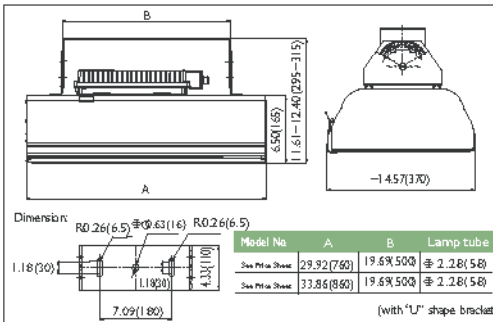
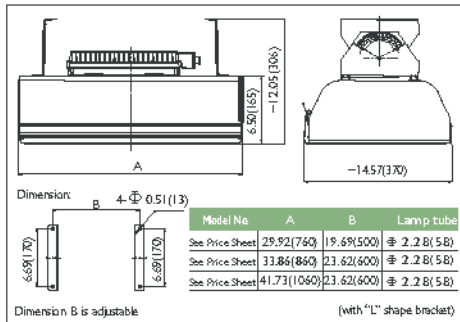
- Our 250W ~400W square tubular induction lamp features high lighting efficacy, long lifetime, good color rendering, stable output, etc, improving driving environment and safety, saving energy and decrease overall running cost.
- Our electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.



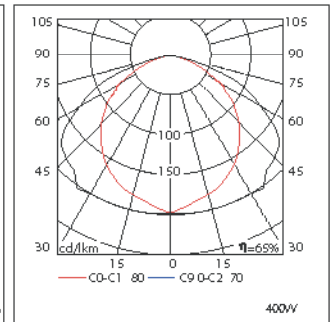
Applications :

- Tunnel, freeway, highway, parking lots, public entrances, off-street areas.

Dimensions :



Photometric :



Fixture Specifications :

Product No.	Fixture Model No.	Lamp	Wattage (W)	Voltage (V)	Color Temperature (K)	Ambient Temperature (C°)	Installation	IP class	Lamp tube
See Price Sheet	See Price Sheet	See Price Sheet	250	120~277	5000	-20° ~+40°	"U" bracket, horizontal ±30°	IP65	Φ 2.28(58)
See Price Sheet							"L" bracket, horizontal ±30°		
See Price Sheet			300				"U" bracket, horizontal ±30°		
See Price Sheet							"L" bracket, horizontal ±30°		
See Price Sheet	See Price Sheet	See Price Sheet	400				"L" bracket, horizontal ±30°		

Product NO. Lamp

* Note: Color Temperature 2720-6500 available upon request.

Ordering code : See Price Sheet

** The above data is subject to change without notice.

Features :

- Square profiled aluminum housing concealed with two extruded welding side covers for high IP rating.
- Anodized aluminum reflector and clear tempered glass lens are designed to optimize light distribution.
- Gas-tight silicon rubber seal made for wet locations.
- Front opening structure, easy for maintenance.

Lamp and ballast :

- Our 250W~400W square tubular induction lamp features high lighting efficacy, long lifetime, good color rendering, stable output, etc.
- Our electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.

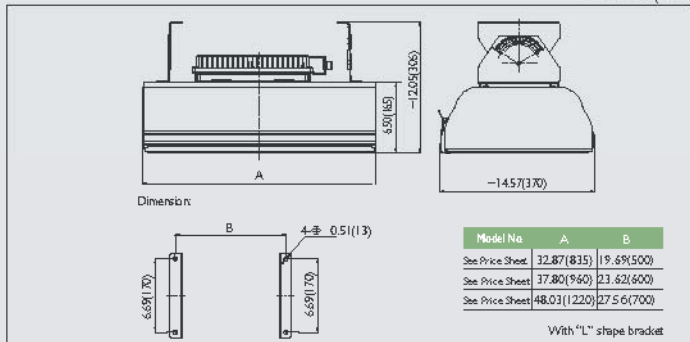
Applications :

- Stadium, workshop, warehouse, airport, railway station, gas station, amusement park, exhibition hall, supermarket.

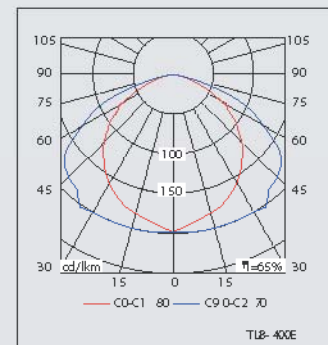


Dimensions :

Unit:in. (mm)



Photometric :



Fixture Specifications :

Product No.	Fixture Model No.	Lamp	Wattage (W)	Voltage (V)	Color Temperature (K)	Ambient Temperature (C°)	Installation	IP class	UL CUL
See Price Sheet	See Price Sheet	See Price Sheet	250	120~277	5000	-20° ~+40°	'L' bracket, horizontal ±30°	IP65	✓
See Price Sheet	See Price Sheet	See Price Sheet	300				'L' bracket, horizontal ±30°		✓
See Price Sheet	See Price Sheet	See Price Sheet	400				'L' bracket, horizontal ±30°		✓
See Price Sheet							Hanging pole		✓

Product NO. Lamp

* Note:Color Temperature 2720-6500 available upon request.

Ordering code : See Price Sheet

** The above data is subject to change without notice.

INDOOR LUMINAIRE

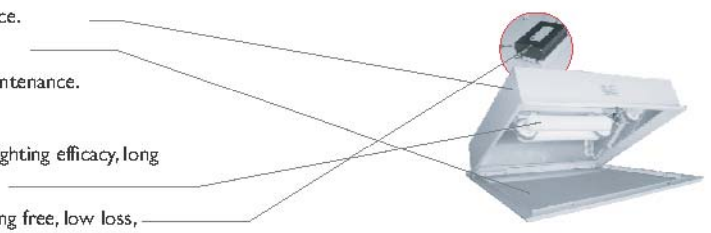


Features :

- Recessed fixture for indoor use.
- Iron housing with powder coated surface for corrosion resistance.
- UV stabilized and heat resistant polycarbonate lens.
- Light weight and compact structure for easy installation and maintenance.

Lamp and ballast :

- Our 100W~150W square tubular induction lamp features high lighting efficacy, long lifetime, good color rendering stable output, etc.
- Our electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.

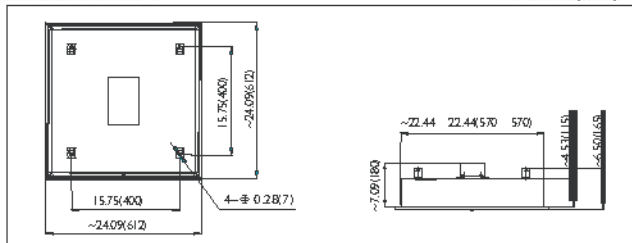


Applications :

- Office, shopping malls, railway station, schools, workshop, etc.

Dimensions :

Unit: in. (mm)



* Remark: Customized size and mounting available upon request.

Fixture Specifications :

Product No.	Fixture Model No.	Lamp	Wattage (W)	Voltage (V)	Color Temperature (K)	Ambient Temperature (C°)	Installation	IP class
See Price Sheet	See Price Sheet	See Price Sheet	100	120~277	5000	0° ~+40°	Recessed	IP20
		See Price Sheet	120					
		See Price Sheet	150					

Product NO.

Lamp

* Note: Color Temperature 2720-6500 available upon request.

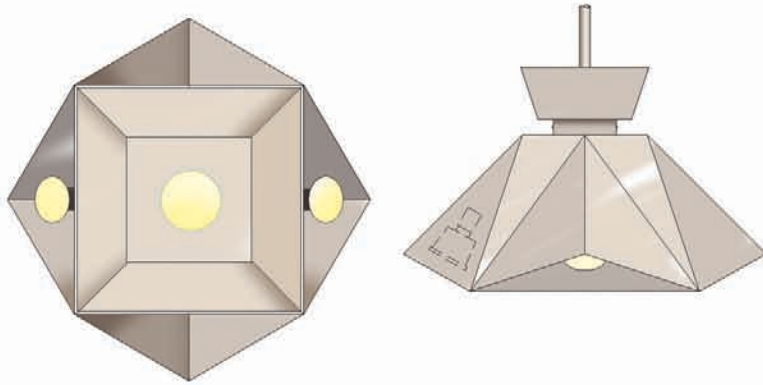
Ordering code : See Price Sheet

** The above data is subject to change without notice.

COW BELL HI-BAY FIXTURE
w/ LED side lights

Application

GAS STATION
FAST FOOD RESTAURANT
FACTORY
GYMNASIUM

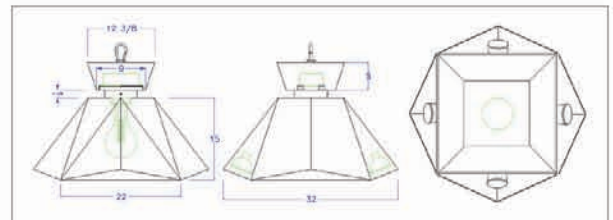


Ordering Specifications:

Series	Color Temp.	Watts / Lumens	Voltage	Mounting	Finish	Options
Type of Fixture	35 - 3500k 41 - 4100k 47 - 4700k 50 - 5000k	38 - 35w/3680 43 - 40w/3680 55 - 50w/3680 86 - 80w/7360 127 - 120w/11040 150 - 150w/13800	120 - 120V 208 - 208V 220 - 220V 240 - 240V 277 - 277V	PM - Pole Mount (6" or 10") YM - Yoke Mount SF - Slip Fitter	BZ - Bronze ¹ BL - Black WH - White CU - Custom ²	PC - Photocell ³ VS - Visor GS - Glare Shield WG - Wire Guard MS - Motion Sensor

ADG ECO INDUCTION LIGHT SYSTEMS
MUST FOLLOW THESE SPECIFICATIONS:

- AMERICAN MADE LIGHT FIXTURE
- ENERGY STAR PARTNER
- 10 YEAR LIMITED WARRANTY
- 100,000 HR. BULB LIFE
- 100-277v 80-85 CRI
- AVAILABLE THROUGH ADG ECO AUTHORIZED RESELLER OR FACTORY
- FIXTURES ETL WET LISTED
- UL COMPLIANT ELECTRONICS
- PROVIDE HIGH QUALITY LIGHT DISTRIBUTION
- VARIATIONS MAY OCCUR (SEE TERMS & COND.)
- FIXTURES MUST COMPLY WITH THE FOLLOWING...



Features :

- White powder coated steel frame for corrosion resistance.
- Low glare, anodized aluminum parabolic louver for excellent visual control.

Lamp and ballast :

- Our 250W(Φ 38) or 400W(Φ 54) square tubular induction lamp features high lighting efficacy, long lifetime, good color rendering, stable output, etc.
- Our electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.

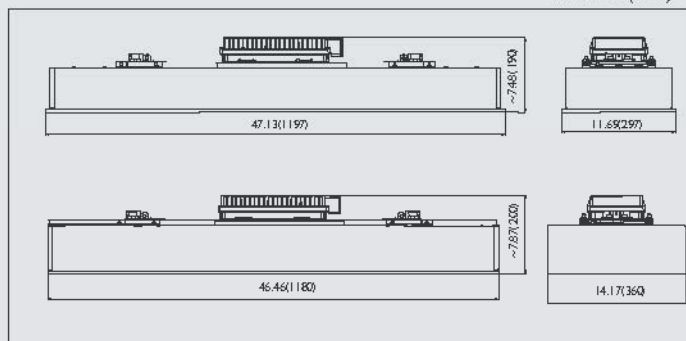
Applications :

- Office, shopping malls, railway station, schools, workshop, etc.

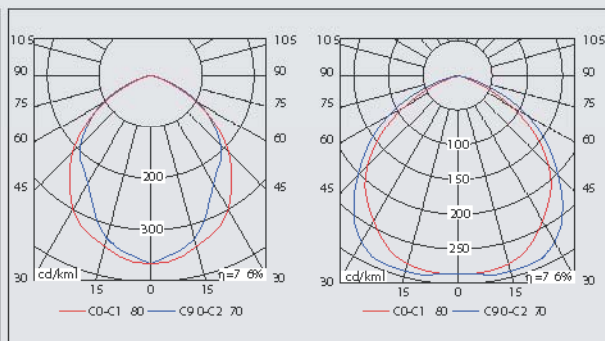


Dimensions :

Unit: in. (mm)



Photometric :



Fixture Specifications :

Product No.	Fixture Model No.	Lamp	Wattage (W)	Voltage (V)	Color Temperature (K)	Ambient Temperature (C°)	Installation	IP class
See Price Sheet	See Price Sheet	See Price Sheet	250	120~277	5000	0° ~+40°	Hanging pole	IP20
See Price Sheet							Chain	
See Price Sheet	See Price Sheet	See Price Sheet	400	120~277	5000	0° ~+40°	Hanging pole	
See Price Sheet							Chain	

Product NO. Lamp

*Note:Color Temperature 2720-6500 available upon request.

Ordering code : See Price Sheet

** The above data is subject to change without notice.

GARAGE LUMINAIRE

http://www.adgcolp.com

Garage Luminaire

37



Features :

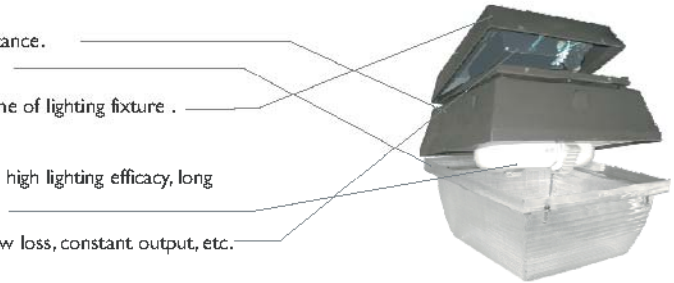
- Die cast aluminum housing with powder coated finish for corrosion-resistance.
- UV stabilized polycarbonate lens.
- Separated control gear used to improve heat dispersion and extend lifetime of lighting fixture .

Lamp and ballast :

- Our 85W ball type or 70W~100W round tubular induction lamp features high lighting efficacy, long lifetime, good color rendering, stable output, etc.
- Our electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.

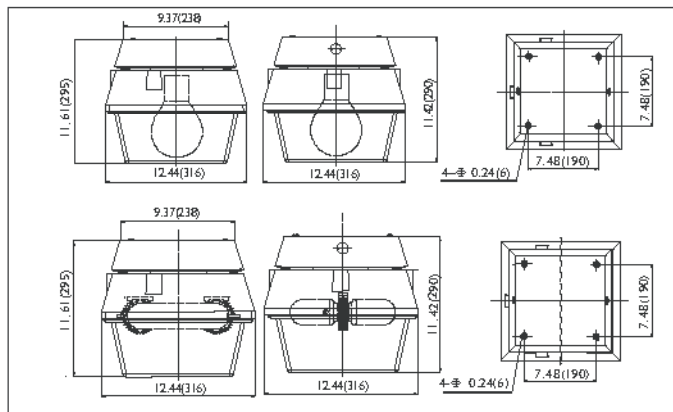
Applications :

- Parking garages, gas stations, warehouse, etc.



Dimensions :

Unit:in. (mm)



Remark: recommended position and diameter of mounting holes are shown above.

Fixture Specifications :

Product No.	Fixture Model No.	Lamp	Wattage (W)	Voltage (V)	Color Temperature (K)	Ambient Temperature (C°)	Installation	IP class	UL CUL
See Price Sheet	See Price Sheet	See Price Sheet	85	120~277	5000	-20° ~+40°	Roof mount	IP43	✓
See Price Sheet	See Price Sheet	See Price Sheet	70						
See Price Sheet	See Price Sheet	See Price Sheet	80						
See Price Sheet	See Price Sheet	See Price Sheet	100						✓

Product NO.

Lamp

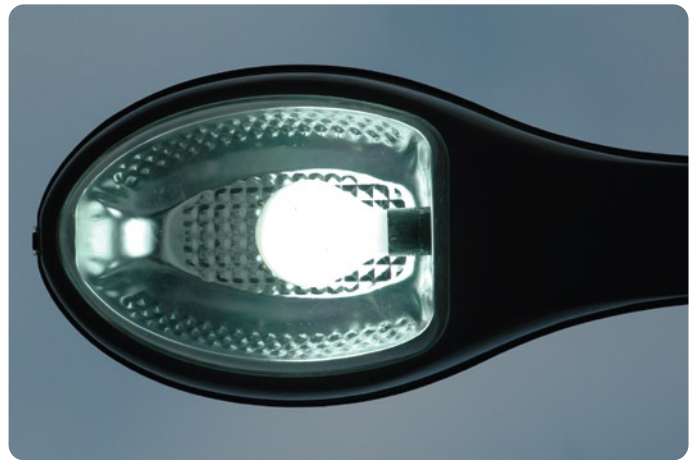
**Note:Color Temperature 2720-6500 available upon request.

Ordering code : See Price Sheet.

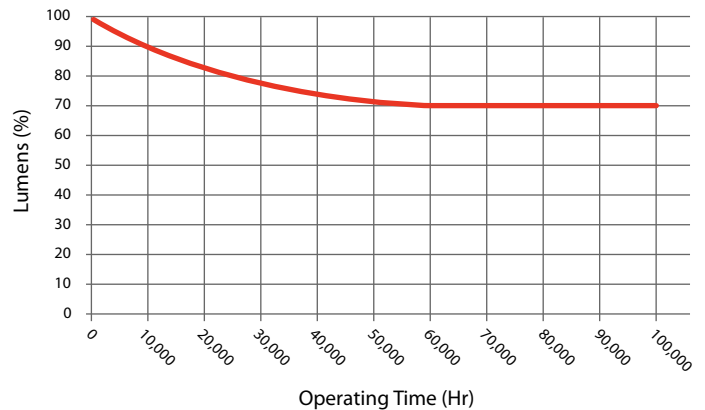
** The above data is subject to change without notice

Features & Benefits

- Very long life – 100,000 hours rated life translates to significant savings in maintenance costs
- High lumen output – 2,800 initial lumens (40W lamp) to 18,750 initial lumens (250W lamp)
- Range of input voltage – each lamp has the ability to operate on voltages ranging from 120 to 277
- Gradual, minimal lumen depreciation – still at 70% luminosity at end of life means fewer replacements, more efficient lighting
- Outstanding color rendering – CRI of >85 provides for vivid, natural colors
- Range of color temperatures – choice of warm or cool light for desired effect and particular applications
- Stable output – relatively unaffected by fluctuations in line voltage, the Induction lamp output remains constant over wide ranges of inputs
- Instant-ON capability – because it does not require warm-up time to come to full luminescence, it can be controlled by occupancy sensors to provide further energy savings
- Hot and cold operation – performs on a wide range of environments -- from -20° to 60°
- No flickering or noise – a distraction-free option for indoor or outdoor applications
- Low mercury – uses only 6 mgs of mercury, a much more environmentally-friendly product than other alternatives



ADG Eco Luminance Maintenance



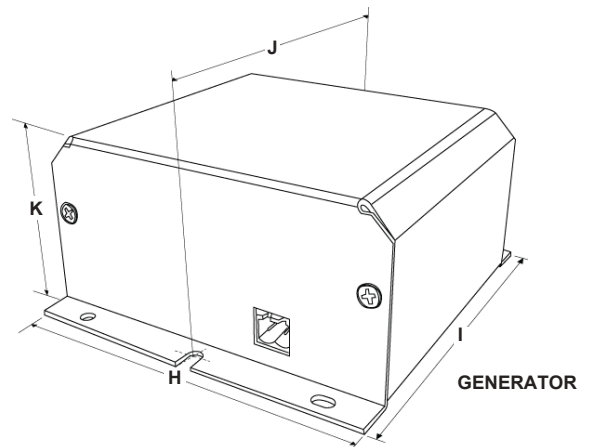
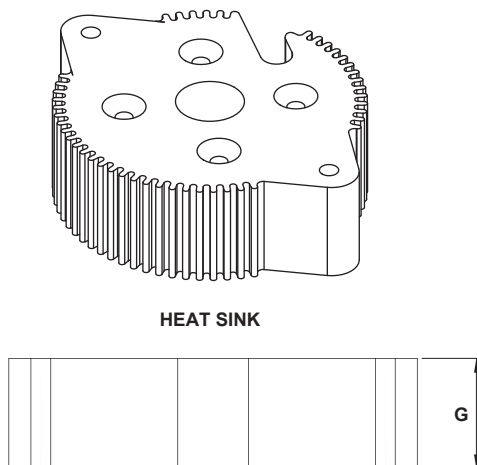
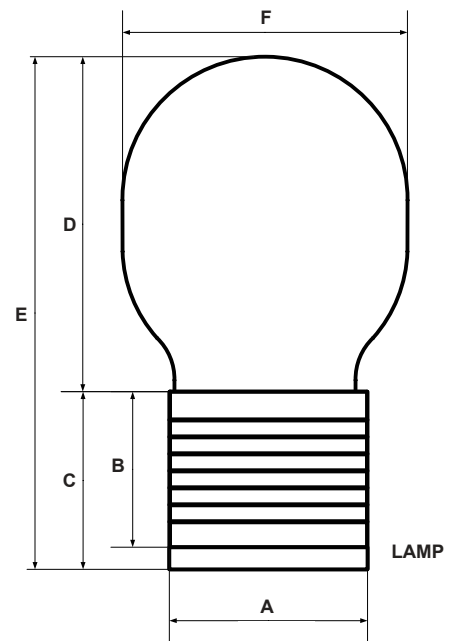
Product Comparison Chart

	Econergy	High Press Sodium	Metal Halide	Pulse Start
Power consumption (W)	70W	150W	175W	150W
Luminous flux (Lm)	7,500	14,000	14,000	14,000
Luminous efficacy (Lm/W)	90	93.3	80	93.3
Color temperature (K)	3000-6500	2,000	4000-6500	4000-6500
Color rendering index (CRI)	85	28	65	65
Initial/re-start time	Instant	8~10min	8~10min	3~4min
Set weight	1kg	6kg	6kg	6kg
Heated temperature	100 C	300~400 C	300~400 C	300~400 C
Lumen depreciation	Slow	Medium	Fast	Fast
Average rated life hours	100,000	24,000	10,000	10,000
Mercury content/watt	5 mg	30 mg	30 mg	30 mg

Description	Order Code	Watts (W)	Input Voltage (V)	Average Rated Life (Hrs)	Lumens (Lm)	Color Temp Kelvin (K)	CRI
ADGEco 40W	10140	40	120 - 277	100,000	2,800	5000	>85
ADGEco 70W	10170	70	120 - 277	100,000	5,250	5000	>85
ADGEco 100W	101100	100	120 - 277	100,000	7,500	5000	>85
ADGEco 150W	101150	150	120 - 277	100,000	11,250	5000	>85
ADGEco 200W	101200	200	120 - 277	100,000	15,000	5000	>85
ADGEco 250W	101250	250	120 - 277	100,000	18,750	5000	>85

Description	Luminous Flux (Lm)	Luminous Efficacy (Lm/W) (Calculated Value)	Luminous Efficacy (Lm/W) (Tested Value)	Operating Temp	MOL (in) Lamp Height [mm]	MOL (in) Heat Sink Height [mm]
ADGEco 40W	2,400	<70	63~64	Less than 60°C	152	min 15
ADGEco 70W	4,900	<75	70~72	Less than 60°C	180	min 15
ADGEco 100W	7,500	<75	72~74	Less than 60°C	207	min 20
ADGEco 150W	10,500	<75	72~74	Less than 60°C	230	min 30
ADGEco 200W	14,000	<80		Less than 60°C	330	min 40
ADGEco 250W	17,500	<80		Less than 60°C	330	TBD

	40W	70W	100W	150W	200W
A	58.0	58.0	58.0	67.0	120.0
B	45.5	45.5	45.5	55.0	75.0
C	52.0	52.0	52.0	62.0	95.0
D	100.0±2.0	128±2.0	155.0±2.0	168±2.0	235.0±2.0
E	152.0±2.0	180.0±2.0	207.0±2.0	230±2.0	330.0±2.0
F	85.0	110.0	130.0	140.0	180.0
G	20	20	25	30	N/A
H	108	108	108	108	108
I	113	113	141	192	192
J	99	99	127	175	175
K	45	54	54	54	58



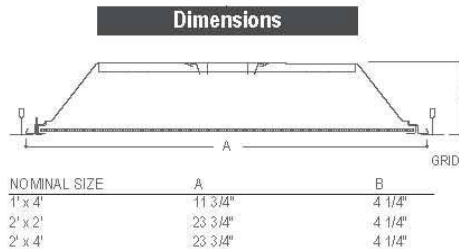
Multi - Troffer

LED, Fluorescent Warrior, Induction



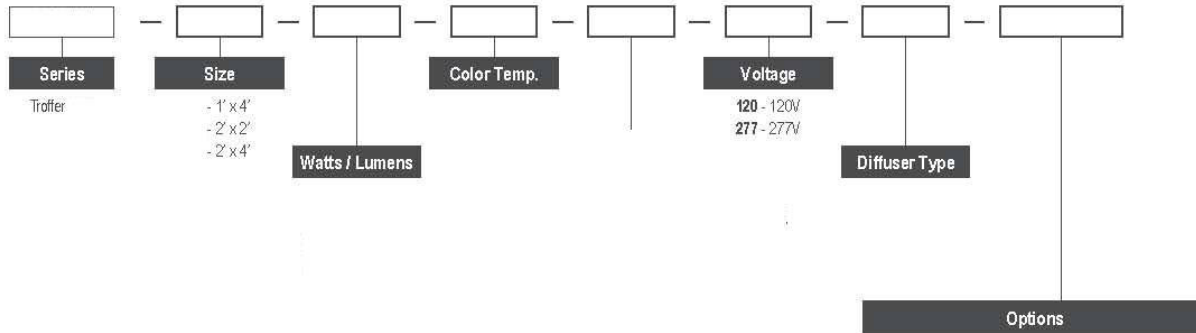
Recessed Troffer

Project:
Comments:
Prepared by:



- *Virtually Maintenance Free operation*
- *High efficacy—Long life*
- *Excellent color rendering index (CRI)—80+ and in some cases 90+*
- *Choice of warm white to cool white (2,700–6,500 K) color temperature*
- *Instant start and re-strike operation*
- *No flickering, strobing, or noise*
- *Low-temperature operation*
- *Dimmable capability with some units*
- *High power factor: .90+*

ORDERING INFORMATION:

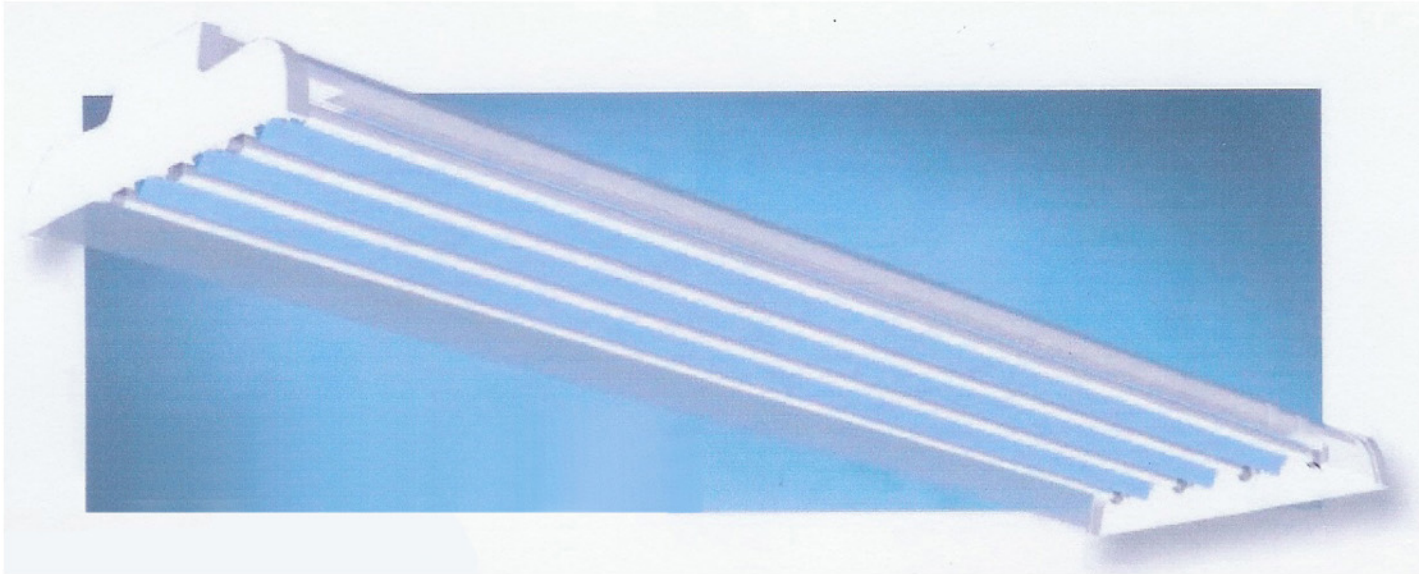


Use with ADG Eco certified
 Induction Light 40-150 watts
 LED 4' or 2' lamping 18 watt
 Fluorescent Warrior T-5 54 watt HO or T-8 32 watt
 HO
 Specialty reflectors and lenses available

Components and products carry UL and or ETL listing
 FCC Compliant, ISO 14001 and or specialty fabrication



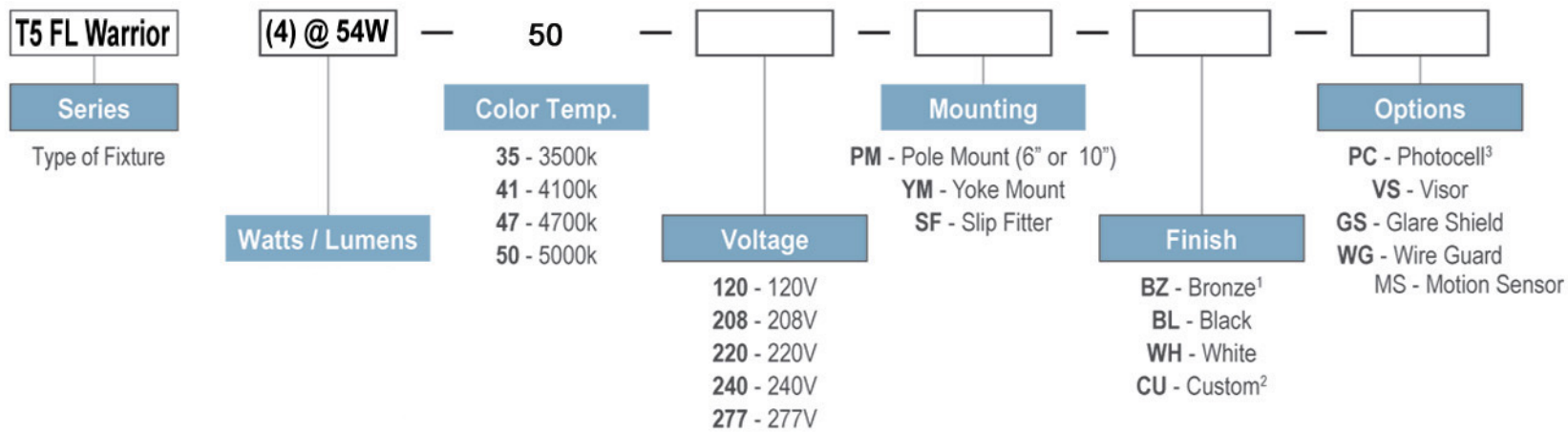
T5 FL WARRIOR FIXTURE



Application

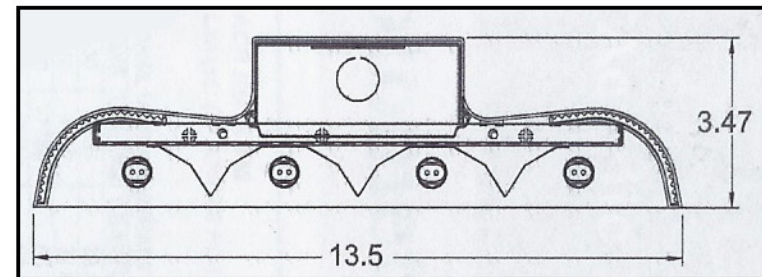
**PARKING GARAGE
GAS STATION
FACTORY
GYMNASIUM**

Ordering Specifications:



ADG ECO FL WARRIOR FIXTURES MUST FOLLOW THESE SPECIFICATIONS:

- AMERICAN MADE LIGHT FIXTURE
- ENERGY STAR PARTNER
- 10 YEAR LIMITED WARRANTY
- 100,000 HR. BULB LIFE
- 100-277v 80-85 CRI
- AVAILABLE THROUGH ADG ECO AUTHORIZED RESELLER OR FACTORY
- FIXTURES ETL LISTED
- UL COMPLIANT ELECTRONICS
- PROVIDE HIGH QUALITY LIGHT DISTRIBUTION
- VARIATIONS MAY OCCUR (SEE TERMS & COND.)
- FIXTURES MUST COMPLY WITH THE FOLLOWING...



ACR RMT5 446
Lamps: (4) 54W T5 FP54I835IHO Linear Fluorescents

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	5719	28.6	28.3
0-40	8961	44.8	44.4
0-60	14536	72.7	72.0
0-90	17600	89.0	88.2
90-120	605	3.0	3.0
90-130	862	4.4	4.4
90-150	1673	8.4	8.3
90-180	2379	11.9	11.8
0-180	20179	100.9	100.0

COEFFICIENTS OF UTILIZATION

Room Cavity Ratio	CEILING CAVITY REFLECTANCE											
	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	117	117	117	117	113	113	113	113	106	106	106	
1	108	103	99	96	104	100	96	93	93	90	85	
2	58	51	44	39	65	58	52	47	47	44	41	
3	50	40	32	26	57	48	40	34	34	32	30	
4	43	31	23	18	49	40	32	26	26	24	23	
5	37	25	18	13	42	33	25	19	19	18	17	
6	31	20	14	10	35	26	19	14	14	13	12	
7	26	16	11	8	29	21	15	11	11	10	9	
8	21	13	9	6	23	16	12	8	8	8	7	
9	17	10	7	5	18	13	9	6	6	6	5	
10	14	8	5	4	14	10	7	5	5	5	4	

ITL Report Number: ITL55144-2 (Tested at 35° C Ambient)



Fluorescent Warrior™

New Super-Life T5 Lamp Lasts Four Times Longer Than Other Premium Brands

Recent advanced technological edge on back-light displays has been leveraged to create a new series of T5 lamps that outperforms and outlives the competition -- hands down. Using state-of-the-art technology to inhibit lumen depreciation and a patented cathode design first incorporated in top-of-the-line back-light units, Warrior's lifespan has been increased from the 24,000 hours typical for premium T5s to over 100,000* hours of good, solid operation.

The implications in terms of costs savings are significant:

- Considering the lamp's longevity, the cost of re-lamping with Warrior is less than half that of other premium brands.
- Maintenance is dramatically reduced since it is only necessary to replace the lamps every 100,000 hours. HID or other T5s would require 3 or 4 replacements over the same time period.

And all this is accomplished without compromising light output levels or color rendering. No other product in the market today can make and substantiate this claim.

* Warrior provides 100,000 hours of rated life when used with a programmed-start ballast. Check with the factory for a list of approved ballasts"

One Lamp, Many Options

Warrior T5 lamps are available in several color temperatures, providing a range of options for different applications.



Patented cathode Technology Used in the Warrior T5

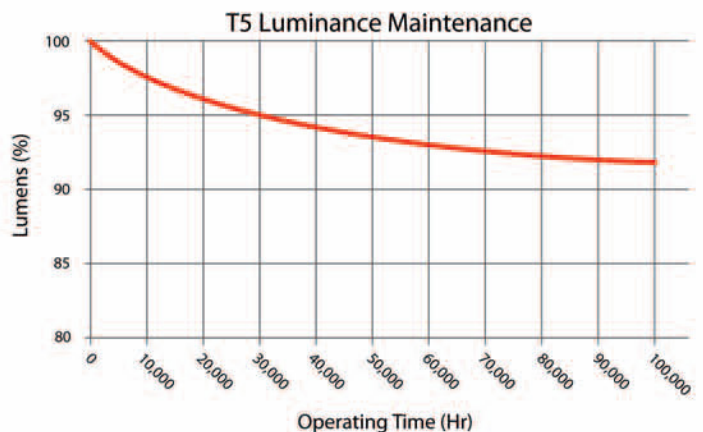


Huge Energy Savings

T5 lamps are perfect for high-intensity luminaires, optimized for areas with high ceilings, which makes them an ideal replacement for high-bay metal halides in factories, warehouses, sports arenas or other commercial areas.

Using a programmed-start ballast, there is no restart delay, making it practical to control them with occupancy sensors and significantly reduce energy usage.

But the most dramatic savings come directly from lower wattage: compared to metal halides, Warrior T5s with the same lumen output operate at around 200 watts – this is half of the 400 watts typically required by metal halides.



Specifications

Watts	Nom Length inch/mm	Description	Case Qty	12 Hr-start Programmed Start Average Rated Life	Lumens Initial	Color Temp Kelvin	CRI
54	45.2/1148	F54T5HO/830	40	100,000	4800	3000	>82
54	45.2/1148	F54T5HO/835	40	100,000	4800	3500	>82
54	45.2/1148	F54T5HO/841	40	100,000	4800	4100	>82
54	45.2/1148	F54T5HO/850	40	100,000	4800	5000	>82

REDUCES ENERGY
SAVES MONEY
SUSTAINABLE + SAFE

Novicomm® LEDR-T8 Replacements are leading the LED lighting revolution to deliver the most energy efficient, long-lasting lamps that are mercury and lead free.

The **LEDR-T8** tube replaces and outperforms fluorescent light sources and is setting the highest standards for brilliant LED technology.



Preferred Choice

- **Bright, even** light that maintains consistent color over time
- **Instant** on/off – **NO flickering, delays or buzzing**
- Brings out **natural appearance** of furnishings and merchandise; customers appreciate flattering light
- **Preserves integrity** of retail products... no heat damage to formulations or thermal fade of branded packaging in display cases
- Showcases interior architecture and signage **without guilt or compromise**

Environmentally Responsible

- **100% recyclable**, reduces landfill waste
- **Safer – no lead, mercury or glass**... eliminates potential injuries and health conditions from hazardous waste in traditional light sources
- **No UV** light, infrared radiation or CO2 emissions
- Qualifies buildings for LEED and other **sustainable** business certifications

Cost Effective

- Can **save 50%** on overall lighting and energy
- **No replacement bulbs** needed throughout 60,000 hour lifespan
- Further reduces energy use and **prolongs** lifespans of peripheral **cooling units** (AC, refrigeration)

Smart Design

- Innovative **thermal management** system extends life of LEDs
- **Easily retrofit** existing conventional light fixtures, simplifies troffers - no ballasts needed

Versatile Applications

- **Unlimited** indoor applications for overhead lighting, retail fixtures, signage and custom lighting accents
- **Durable** for use in portable tradeshows and displays
- **Scalable** to variable lengths

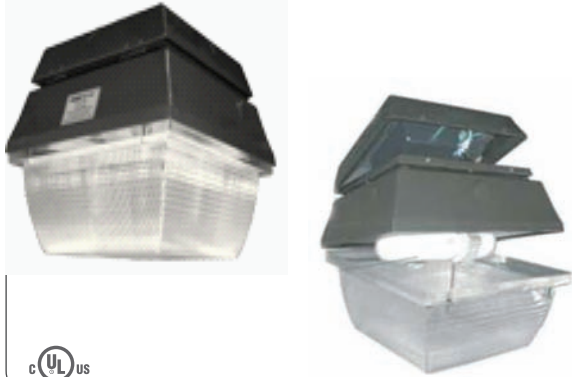
Job Information

Type:

Project:

Comments:

Prepared by:



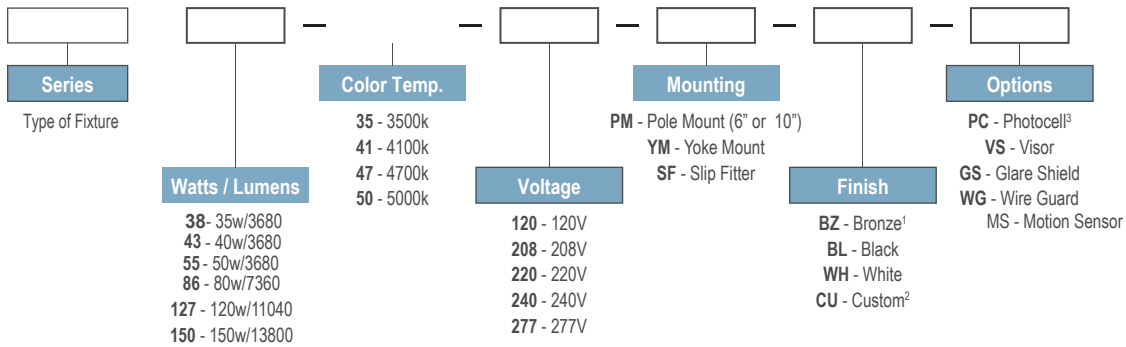
Application

*Parking Garage
Gas Station
Drive Thru
Fast Food Restaurant
Outside Applications Etc.*

Features

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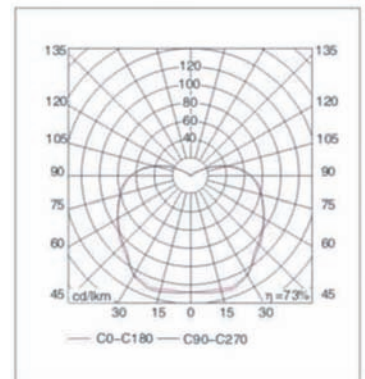
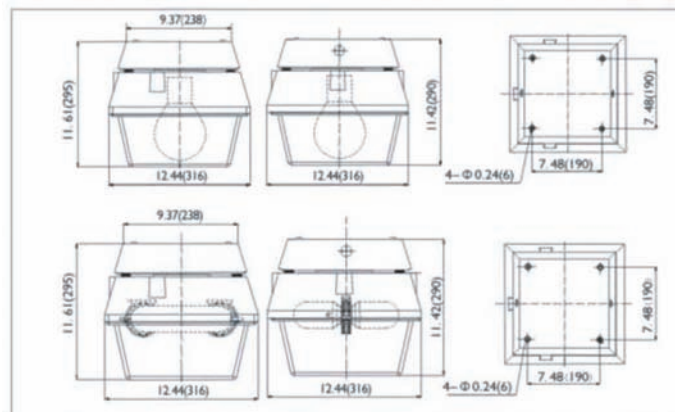
Ordering Specifications:



¹ Standard color for this fixture

² Contact factory for custom finishes

³ Please specify voltage (eg. 120V)





Ceiling Flush with Induction Lamp ADG Eco Lighting Products

Available through
Factory Programs & Authorized Resellers

Why our customers choose
ADG Eco Lighting

ADG is a full service Lighting Collaborative.

Product Comparison Chart

	ADG Induction	High Press Sodium	Metal Halide	Pulse Start
Power consumption (W)	100W	150W	175W	150W
Luminous flux (Lm)	7,500	14,000	14,000	14,000
Luminous efficacy (Lm/W)	75	93.3	80	93.3
Color temperature (K)	3000-6500	2,000	4000-6500	4000-6500
Color rendering index (CRI)	80	28	65	65
Initial/re-start time	Instant	8~10min	8~10min	3~4min
Set weight	1kg	6kg	6kg	6kg
Heated temperature	100 C	300~400 C	300~400 C	300~400 C
Lumen depreciation	Slow	Medium	Fast	Fast
Average rated life hours	100,000	24,000	10,000	10,000
Mercury content/watt	5 mg	30 mg	30 mg	30 mg

Specifications

Watts (W)	Input Voltage (V)	Average Rated Life (Hrs)	Lumens (Lm)	Color Temp Kelvin (K)	CRI
40	120 - 277	100,000	2,800	5000	80
70	120 - 277	100,000	5,250	5000	80
100	120 - 277	100,000	7,500	5000	80
150	120 - 277	100,000	11,250	5000	80
200	120 - 277	100,000	15,000	5000	80
250	120 - 277	100,000	18,750	5000	80

This fixture throws light 25+ feet with a 70w induction lamp inside & Faux Glass lens

Description	Luminous Flux (Lm)	Luminous Efficacy (Lm/W) (Calculated Value)	Luminous Efficacy (Lm/W) (Tested Value)	Operating Temp	MOL (in) Lamp Height [mm]	MOL (in) Heat Sink Height [mm]
40W	2,400	<70	63~64	Less than 60°C	152	min 15
70W	4,900	<75	70~72	Less than 60°C	180	min 15
100W	7,500	<75	72~74	Less than 60°C	207	min 20
150W	10,500	<75	72~74	Less than 60°C	230	min 30
200W	14,000	<80		Less than 60°C	330	min 40
250W	17,500	<80		Less than 60°C	330	TBD



Architectural Detail Group, inc.

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Induction Light Replacement Exclusive Solution Manufacturing

ADG Eco Lighting Products Tailored to each need 400w MH reduced to 150w Induction Parking lot and Property needs

Features

- **Very long life** – 100,000 hours rated life translates to significant savings in maintenance costs
- **High lumen output** – 2,800 initial lumens (40W lamp) to 18,750 initial lumens (250W lamp)
- **Range of input voltage** – each lamp has the ability to operate on voltages ranging from 120 to 277
- **Gradual, minimal lumen depreciation** – still at 70% luminosity at end of life means fewer replacements, more efficient lighting
- **Outstanding color rendering** – CRI of 80 provides for vivid, natural colors
- **Range of color temperatures** – choice of warm or cool light for desired effect and particular applications

Benefits

- **Stable output** – relatively unaffected by fluctuations in line voltage, the Induction lamp output remains constant over wide ranges of inputs
- **Instant-ON capability** – because it does not require warm-up time to come to full luminescence, it can be controlled by occupancy sensors to provide further energy savings
- **Hot and cold operation** – performs on a wide range of environments --from -20° to 60°
- **No flickering or noise** – a distraction-free option for indoor or outdoor applications
- **Low mercury** – uses only 6 mgs of mercury, a much more environmentally-friendly product than other alternatives
- **Deferred Maintenance and Less Power** to pay for generates a better NOI.

Fixtures Made in America



Consulting Design, Engineering and Energy Audits



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