



Comprehensive energy saving solutions



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ELX IS COMMITTED TO CREATE A NEW WORLD OF ENERGY SAVING LIGHTING.



The reduced amount carbon dioxide emission by using a 200W ELX induction lamp instead of other traditional lamp equals to the total absorption of a 40-year-old tree.

ELX Lighting as a new energy saving lighting product, energy saving rate reaches 80%. To calculate scientifically, the output of carbon dioxide emission per KWH by using induction light is 0.997kg, so it can reduce output of carbon dioxide 582kg per year, while the absorption of a 40-year-old tree is 465kg per year.



COMPANY PROFILES

ELX Lighting is a global proactive clean energy company committed to providing energy efficient and affordable lighting to residential, commercial, industrial and government sectors.

The privately owned company is based in China and trades in the AsiaPacific, American, African and European regions. Specialising in global sourcing and distribution of energy efficient commercial lighting solutions, ELX aims to reduce energy consumption and costs with smarter technology.

Our unique range of patented induction lighting products enables businesses and organisations to meet smarter energy targets whilst achieving exceptional lighting results. We estimate savings of up to 70% on running costs and up to 98% on maintenance over a 10 year period with new Induction fittings supported by a five year warranty.

In addition, the Induction range provides an extended operating life of up to 100,000 hours, meaning decreased maintenance and replacement costs. Quality checked during and after the manufacturing process by independent inspectors. All products are certified and issued with CE,CCC,CQC, FCC, TUV, ROHS, SAA, UL and C-Tick certified.

Our team of certified electrical specialist with over 30 years of experience means we can provide you with leading edge lighting solutions which are best suited to your lighting application.

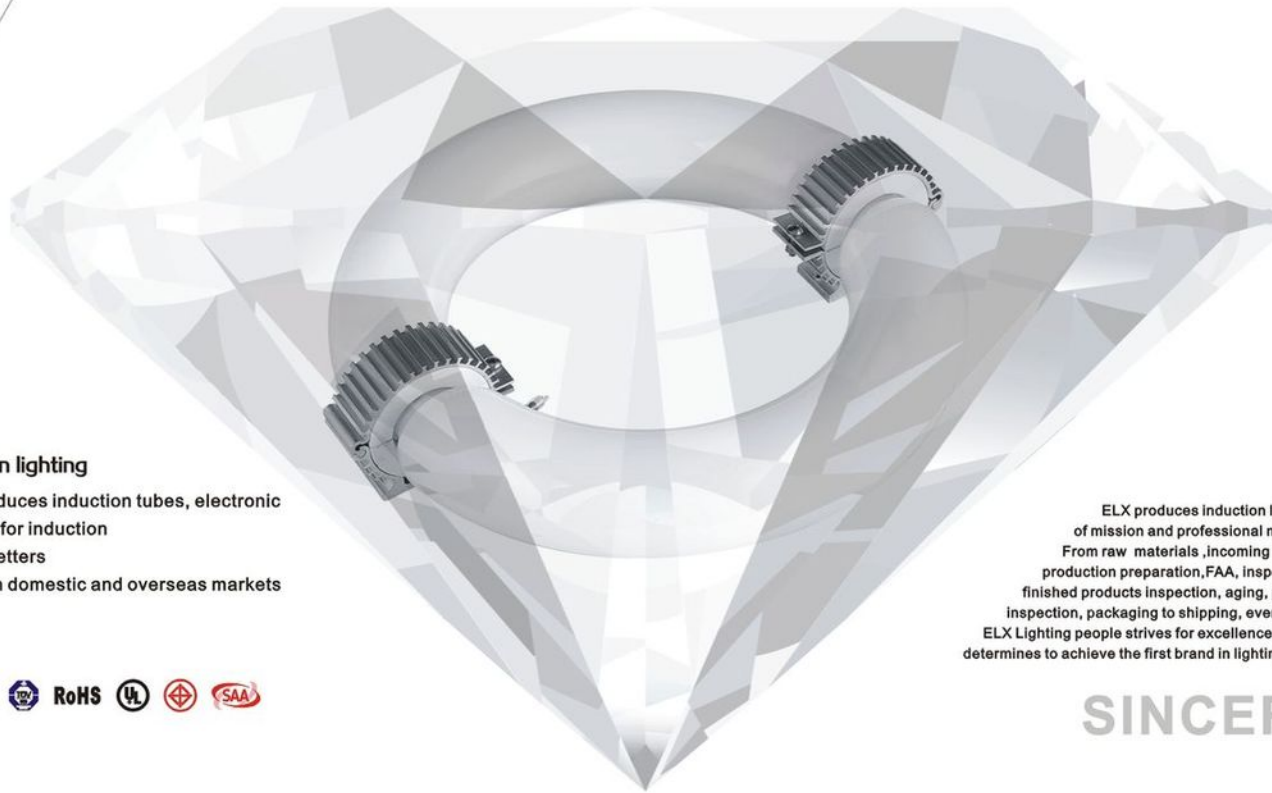


Energy saving creates value, let's share the bright life.



www.gd-elx.com

Quality



ELX LIGHTING ACHIVEMENTS

A full range of R & D in induction lighting

- oELX researches, develops and produces induction tubes, electronic ballasts and light fixtures especial for induction
- oOne of induction lamp standards setters
- oPerfect distribution network both in domestic and overseas markets

oPassed 

oCertified by 

ELX produces induction lamps efficiently with a strong sense of mission and professional management. From raw materials ,incoming inspection, production planning, production preparation,FAA, inspection during production, finished products inspection, aging, put in storage, random inspection, packaging to shipping, every process highlights our ELX Lighting people strives for excellence in quality and determines to achieve the first brand in lighting field.

SINCERITY

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HIGH BAY SERIES



Main applications:
Factories, Warehouses, Gymnasiums, Shopping Centers, Stations



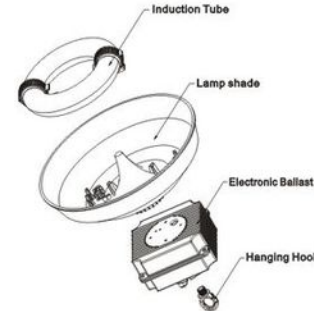
HIGH BAY SERIES



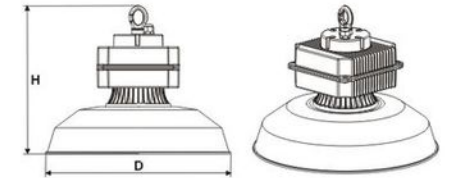
Patent No.: 201320166765.3
201330052371.0
201320105623.6
201330064276.2



GDD Series IP20



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD136C	120-150	Φ451	~360
GDD136D	200	Φ484	~373
GDD136E	250-300	Φ532	~386

GDD136 SERIES

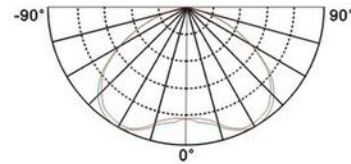
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds,
Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 120W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > BMC lampshade with perfect high purity appearance.
- > Inner reflector applied with imported heat resistant vacuum, effectively increasing the reflection space up to 94.3%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Unsaturated polyester resin (BMC) injection moulding reflector.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant vacuum coating process temperature diffuser.

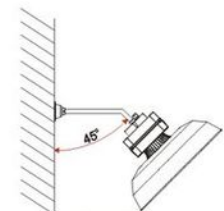
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

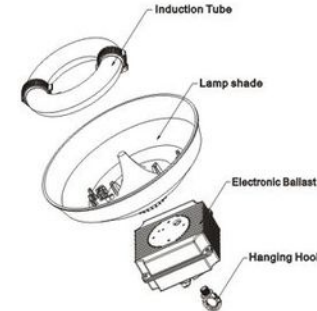
Product	GDD136 High Bay Lamp Series				
	120	150	200	250	300
Wattage (W)	120	150	200	250	300
Model	GDD136C		GDD136D	GDD136E	
Luminous Flux (lm)	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	8.5	10	11.5	13	15
Power Factor	0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C - 60°C; Products can be customized for -40°C - 20°C.				
IP Rated	IP20				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	Φ451x360		Φ484x373	Φ532x386	
Carton Size(cm)	51X51X36		54X54X38	59X59X39	
Net Weight(kg)	6.3	6.3	6.53	6.89	6.89
Gross Weight(kg)	8.46	8.46	8.67	9.03	9.03
Model	GDD136-WJ120	GDD136-WJ150	GDD136-WJ200	GDD136-WJ250	GDD136-WJ300



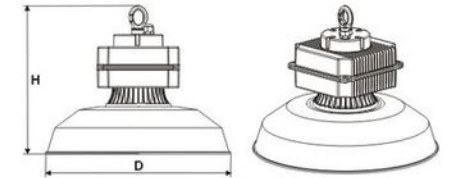
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GDD Series IP20



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD138C	120-150	Φ451	~360
GDD138D	200	Φ484	~373
GDD138E	250-300	Φ532	~386

GDD138 SERIES

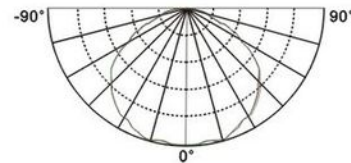
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds,
Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 120W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > BMC die-casting aluminium lampshade with perfect high purity appearance.
- > Inner reflector applied with imported nano diffused reflection technology, effectively increasing the reflectivity up to 93.8%
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Unsaturated polyester resin (BMC) injection moulding reflector.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant nano-coating process temperature diffuser.

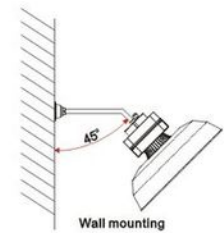
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD138 High Bay Lamp Series				
Wattage (W)	120	150	200	250	300
Model	GDD138C		GDD138D	GDD138E	
Luminous Flux (lm)	9600	12000	16000	21250	25600
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	8.5	10	11.5	13	15
Power Factor	0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C - 60°C; Products can be customized for -40°C - 20°C.				
IP Rated	IP20				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	Φ451x360		Φ484x373	Φ532x386	
Carton Size(cm)	51X51X36		54X54X38	59X59X39	
Net Weight(kg)	6.3	6.3	6.53	6.89	6.89
Gross Weight(kg)	8.46	8.46	8.67	9.03	9.03
Model	GDD138-WJ120	GDD138-WJ150	GDD138-WJ200	GDD138-WJ250	GDD138-WJ300



HIGH BAY SERIES



Main applications:
Factories, Warehouses, Gymnasiums, Shopping Centers, Stations

HIGH BAY SERIES





Patent No.: 201320166765.3
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GDD Series IP66

GDD128PC SERIES

Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds,
Railway Stations, Warehouses and Workshops.

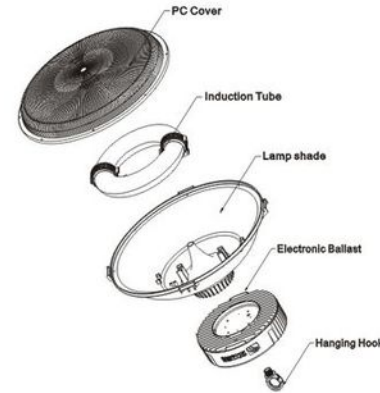
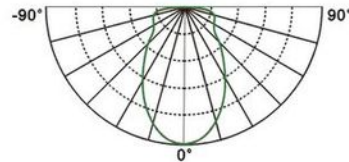
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Imported nano diffused reflection technology, effectively increasing the reflectivity up to 90%.
- > PC cover with heat resistant silicone seal and high strength aluminium hasp, effectively avoid the glare, luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

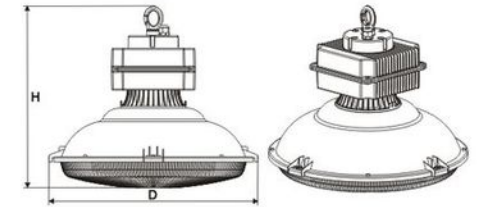
Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant nano-coating process temperature diffuser. Curved PC cover.
- > Imported rubber sealing ring.
- > 304 stainless steel screw hasp.

Light distribution curve:



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD128A	40-60	Φ358	~390
GDD128B	80-100	Φ399	~390
GDD128C	120-150	Φ470	~432
GDD128D	200	Φ506	~445
GDD128E	250-300	Φ556	~462

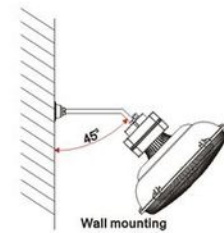
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD128PC High Bay Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	GDD128A-PC							GDD128E-PC	
Model	GDD128A-PC		GDD128B-PC		GDD128C-PC		GDD128D-PC		GDD128E-PC
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25600
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5000K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ358x390		Φ399x390		Φ470x432		Φ506x445		Φ556x462
Carton Size(cm)	42X42X41		46X46X42.5		53X53X45		54X54X46		60X60X48
Net Weight(kg)	5.2	5.2	5.7	5.8	6	6	7.8	9.8	9.8
Gross Weight(kg)	7	7	7.5	7.6	8	8	9.6	11.8	11.8
Model	GDD128-WJ40/C	GDD128-WJ60/C	GDD128-WJ80/C	GDD128-WJ100/C	GDD128-WJ120/C	GDD128-WJ150/C	GDD128-WJ200/C	GDD128-WJ250/C	GDD128-WJ300/C



HIGH BAY SERIES



Main applications:
Factories, Warehouses, Gymnasiums, Shopping Centers, Stations



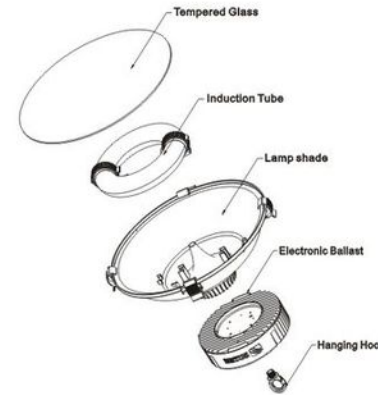
HIGH BAY SERIES



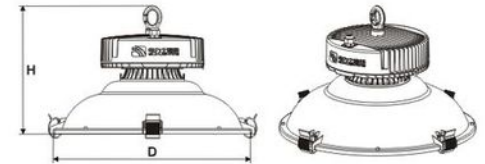
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GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD226A	40-60	Φ358	~289
GDD226B	80-100	Φ399	~289
GDD226C	120-150	Φ478	~312
GDD226D	200	Φ506	~320
GDD226E	250-300	Φ556	~331

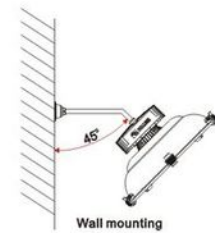
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD226 High Bay Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	40	60	80	100	120	150	200	250	300
Model	GDD226A		GDD226B		GDD226C		GDD226D	GDD226E	
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5000K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 50°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ358x289		Φ399x289		Φ478x312		Φ506x320	Φ556x331	
Carton Size(cm)	42X42X31		46X46X31		53.5X53.5X32.5		56.5X56X33	63X63X33.5	
Net Weight(kg)	5	5	5.6	5.7	5.87	5.87	7.45	9.6	9.6
Gross Weight(kg)	7	7	7.8	7.8	8.4	8.4	9.78	11.7	11.7
Model	GDD226-WJ40/T	GDD226-WJ60/T	GDD226-WJ80/T	GDD226-WJ100/T	GDD226-WJ120/T	GDD226-WJ150/T	GDD226-WJ200/T	GDD226-WJ250/T	GDD226-WJ300/T

GDD226 SERIES

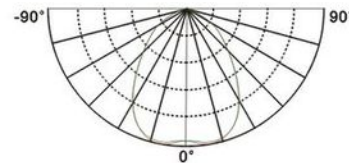
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminum electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Inner reflector applied with imported heat resistant vacuum, effectively increasing the reflection space up to 90%.
- > Tempered glass cover with heatresistant silicone seal and high strength aluminium hasp-luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant vacuum coating process temperature diffuser.
- > Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > 304 stainless steel screw hasp.

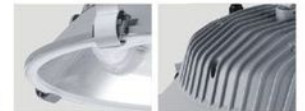


HIGH BAY SERIES



Main applications:
Factories, Warehouses, Gymnasiums, Shopping Centers, Stations

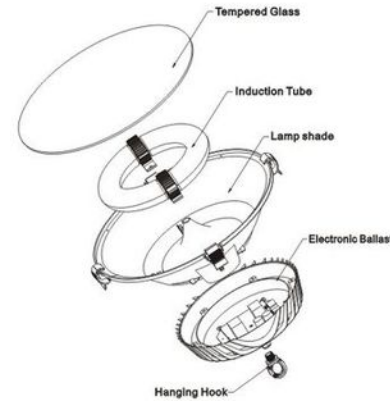
HIGH BAY SERIES



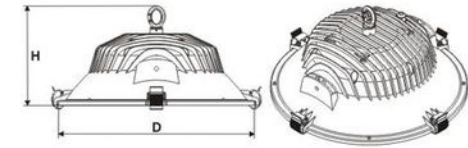
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GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD066A	40-60	Φ380	~247
GDD066B	80-100	Φ400	~237
GDD066C	120-200	Φ507	~256
GDD066D	250-300	Φ556	~281

GDD066 SERIES

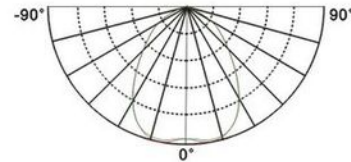
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminum electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminum lampshade and reflector with perfect high purity appearance.
- > Inner reflector applied with imported heat resistant vacuum, effectively increasing the reflection space up to 90%.
- > Tempered glass with heat resistant silicone seal and high strength aluminum hasp-luminousness can reach 90%.
- > Integrated built-in electronic ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process
- > 200°C high temperature resistant vacuum coating process temperature diffuser.
- > Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring
- > 6063 high-strength aluminium hasp

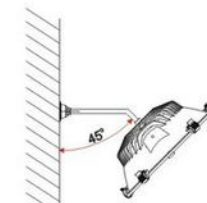
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD066 High Bay Lamp Series										
Wattage (W)	40	60	80	100	120	150	200	250	300		
Model	GDD066A		GDD066B		GDD066C			GDD066D			
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500		
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.										
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43		
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86		
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15		
Power Factor	0.9		0.95								
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5000K, to be ordered for additional color temperature.										
Ambient Temperature	Standard products working at -25°C ~ 50°C; Products can be customized for -40°C ~ 20°C.										
IP Rated	IP66										
Dimming	Timing dimming or dimming external trigger terminal										
Product Size(mm)	Φ380x247		Φ400x237		Φ507x256			Φ556x281			
Carton Size(cm)	42X42X36		46X46X36		57X57X37			62X62X61			
Net Weight(kg)	6	6	6.3	6.3	6.7	6.7	6	6	6.3		
Gross Weight(kg)	7.5	7.5	7.8	7.8	8.2	8.2	7.5	7.5	7.8		
Model	GDD066-WJ40/T	GDD066-WJ60/T	GDD066-WJ80/T	GDD066-WJ100/T	GDD066-WJ120/T	GDD066-WJ150/T	GDD066-WJ200/T	GDD066-WJ250/T	GDD066-WJ300/T		



IP Rated:
Up to IP68, can apply in variety of harsh environment.

Die-cast lampshade:
Integrated molding of reflector with housing and die-cast aluminium lampshade allows easy installation, maintenance, efficient cooling and greater life between services.

Aluminium hasp:
High-strength aluminium hasp, 5 times strength of stainless steel, ensure the high protection grade.

Sealing:
Heat-resistant, anti-aging and anti-UV silicone rubber seal, 10 years lifespan.

The precise distribution of light:
Special design for induction tube, excellent light distribution.



1. High temperature vacuum coating technique on reflector



2. Nano-coating technique on reflector, 20-25% higher light reflectivity than traditional reflector.



Cover:
Super white tempered glass light transmittance 90% and PC 85%.



> Patent products, easy disassembly and re-assembly.
> Electronic ballast and ballast box, integrated design, efficient cooling greater life between services.



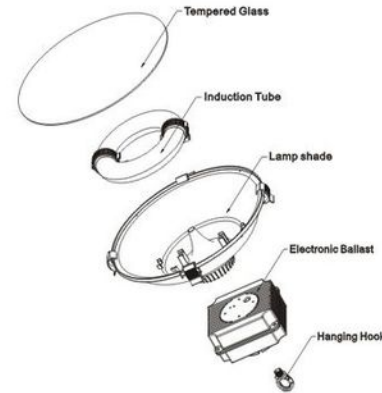
> Patented products, simple but fashion appearance, easy disassembly and assembly.
> Electronic ballast and ballast box, integrated design, efficient cooling greater life between services.



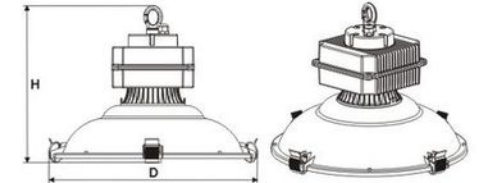
Patent No.: 201320166765.3
201330052371.0
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GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD126A	40-60	Φ358	~329
GDD126B	80-100	Φ399	~329
GDD126C	120-150	Φ470	~371
GDD126D	200	Φ506	~379
GDD126E	250-300	Φ556	~390

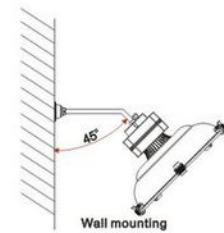
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD126 High Bay Lamp Series								
Wattage (W)	40	60	80	100	120	150	200	250	300
Model	GDD126A		GDD126B		GDD126C	GDD126D	GDD126E		
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25600
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ358x329		Φ399x329		Φ470x371		Φ506x379		Φ556x390
Carton Size(cm)	42X42X36		46X46X35.5		54X54X40.5		56.5X56.5X40		63X63X40.5
Net Weight(kg)	5.1	5.2	5.7	5.8	6	6	7.8	9.8	9.8
Gross Weight(kg)	6.9	7	7.5	7.6	8	8	8	9.8	11.8
Model	GDD126-WJ40/T	GDD126-WJ60/T	GDD126-WJ80/T	GDD126-WJ100/T	GDD126-WJ120/T	GDD126-WJ150/T	GDD126-WJ200/T	GDD126-WJ250/T	GDD126-WJ300/T

GDD126 SERIES

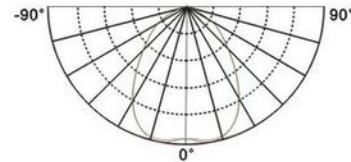
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box, high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Inner reflector applied with imported heat-resistant vacuum, effectively increasing the reflection space up to 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

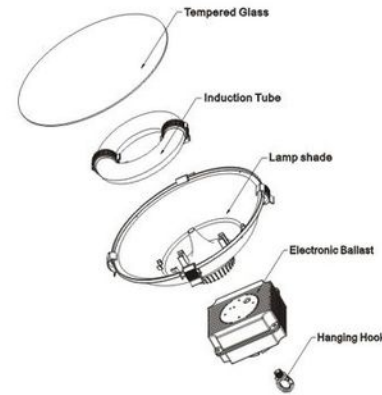
- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant vacuum coating process temperature diffuser.
- > Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > 6063 high-strength aluminium hasp.



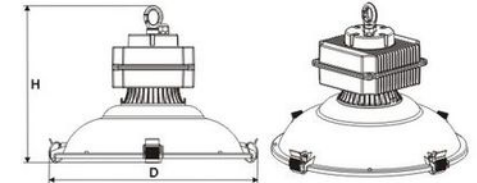
Patent No.: 201320166765.3
201330052371.0
201320105623.6
201220007874.6



GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD128A	40-60	Φ358	~329
GDD128B	80-100	Φ399	~329
GDD128C	120-150	Φ470	~371
GDD128D	200	Φ506	~379
GDD128E	250-300	Φ556	~390

GDD128 SERIES

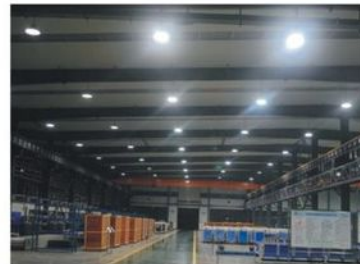
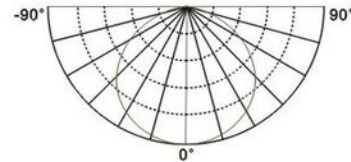
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Imported nano diffused reflection technology, effectively increasing the reflectivity up to 90%.
- > Tempered glass cover with heat resistant silicone seal and high strength aluminium hasp-luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant Nano-coating process temperature diffuser.
- > Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > 6063 high-strength aluminium hasp.

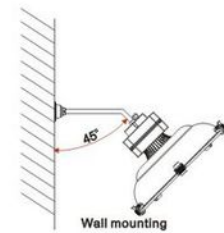
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

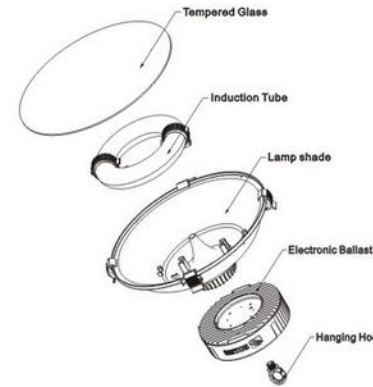
Product	GDD128 High Bay Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	GDD128A GDD128B GDD128C GDD128D GDD128E								
Model	GDD128A GDD128B GDD128C GDD128D GDD128E								
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25600
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9 0.95 0.98								
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ358x329	Φ399x329	Φ470x371	Φ506x379	Φ556x390				
Carton Size(cm)	42X42X36	48X46X35.5	54X54X40.5	56.5X56.5X40	63X63X40.5				
Net Weight(kg)	5.1	5.2	5.7	5.8	6	6	7.8	9.8	9.8
Gross Weight(kg)	6.9	7	7.5	7.6	8	8	8	9.6	11.8
Model	GDD128-WJ40/T	GDD128-WJ60/T	GDD128-WJ80/T	GDD128-WJ100/T	GDD128-WJ120/T	GDD128-WJ150/T	GDD128-WJ200/T	GDD128-WJ250/T	GDD128-WJ300/T



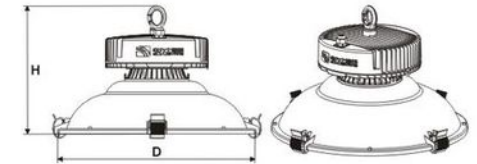
Patent No.: 201320166765.3
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201220007874.6



GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD228A	40-60	Φ358	~289
GDD228B	80-100	Φ399	~289
GDD228C	120-150	Φ478	~312
GDD228D	200	Φ506	~320
GDD228E	250-300	Φ556	~331

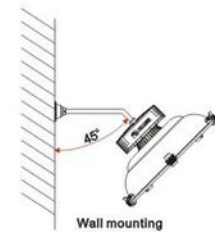
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD228 High Bay Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	40	60	80	100	120	150	200	250	300
Model	GDD228A		GDD228B		GDD228C		GDD228D	GDD228E	
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ358x289		Φ399x289		Φ478x312		Φ506x320	Φ556x331	
Carton Size(cm)	42X42X31		46X46X31		53.5X53.5X32.5		56.5X56X33	63X63X33.5	
Net Weight(kg)	5	5	5.6	5.7	5.87	5.87	7.45	9.6	9.6
Gross Weight(kg)	7	7	7.8	7.8	8.4	8.4	9.78	11.7	11.7
Model	GDD228-WJ40/T	GDD228-WJ60/T	GDD228-WJ80/T	GDD228-WJ100/T	GDD228-WJ120/T	GDD228-WJ150/T	GDD228-WJ200/T	GDD228-WJ250/T	GDD228-WJ300/T

GDD228 SERIES

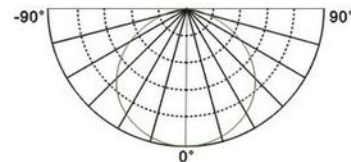
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Imported nano diffused reflection technology, effectively increasing the reflectivity up to 90%.
- > Tempered glass cover with heat resistant silicone seal and high strength aluminium hasp-luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

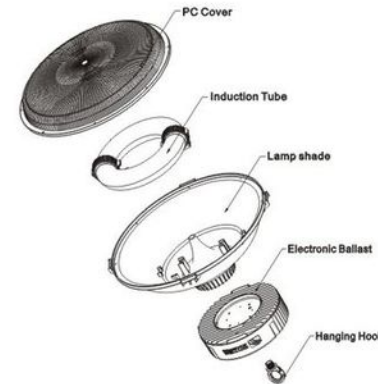
- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant Nano-coating process temperature diffuser.
- > Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > 304 stainless steel screw hasp.



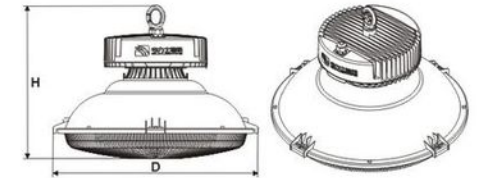
Patent No.: 201320166765.3
201330052371.0
201320105623.6



GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD228A	40-60	Φ358	~351
GDD228B	80-100	Φ399	~361
GDD228C	120-150	Φ478	~372
GDD228D	200	Φ506	~385
GDD228E	250-300	Φ556	~402

Installation Diagram:



Technical Data:

Product	GDD228PC High Bay Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	GDD228A-PC, GDD128B-PC, GDD228C-PC, GDD228D-PC, GDD228E-PC								
Model	GDD228A-PC, GDD128B-PC, GDD228C-PC, GDD228D-PC, GDD228E-PC								
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25600
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9, 0.95, 0.98								
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ358x351	Φ399x351	Φ478x372	Φ506x385	Φ556x402				
Carton Size(cm)	42X42X36	46X46X36	53.5X53.5X32.5		56.5X56.5X31.5		63X63X33.5		
Net Weight(kg)	5	5	5.6	5.7	5.87	5.87	7.45	9.6	9.6
Gross Weight(kg)	7	7	7.8	7.8	8.4	8.4	9.78	11.7	11.7
Model	GDD228-WJ40/T	GDD228-WJ60/T	GDD228-WJ80/T	GDD228-WJ100/T	GDD228-WJ120/T	GDD228-WJ150/T	GDD228-WJ200/T	GDD228-WJ250/T	GDD228-WJ300/T

GDD228PC SERIES

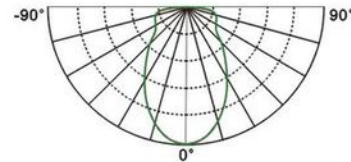
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Imported nano diffused reflection technology, effectively increasing the reflectivity up to 90%.
- > PC cover with heat resistant silicone seal and high strength aluminium hasp, effectively avoid the glare, luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



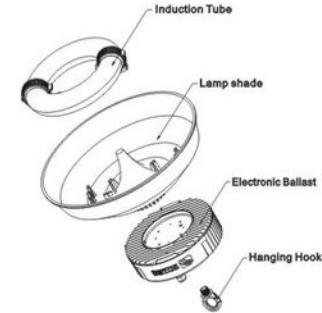
Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant Nano-coating process temperature diffuser.
- > Curved PC cover.
- > Imported rubber sealing ring
- > 304 stainless steel screw hasp

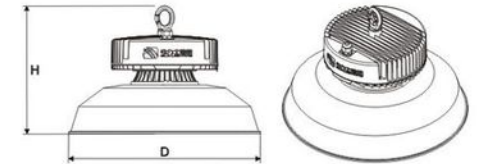
Patent No.: 201320166765.3
201330052371.0
201320105623.6
201330064276.2



GDD Series IP20



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD236C	120-150	Φ451	~301
GDD236D	200	Φ484	~313
GDD236E	250-300	Φ532	~326

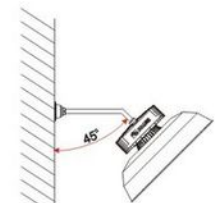
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD236 High Bay Lamp Series				
Wattage (W)	120	150	200	250	300
Model	GDD236C		GDD236D	GDD236E	
Luminous Flux (lm)	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	8.5	10	11.5	13	15
Power Factor	0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.				
IP Rated	IP20				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	Φ451x301		Φ484x313	Φ532x326	
Carton Size(cm)	51X51X30		54X54X31	59X59X32	
Net Weight(kg)	5.92	5.92	6.3	6.59	6.59
Gross Weight(kg)	8.06	8.06	8.3	8.69	8.69
Model	GDD236-WJ120	GDD236-WJ150	GDD236-WJ200	GDD236-WJ250	GDD236-WJ300

GDD236 SERIES

Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

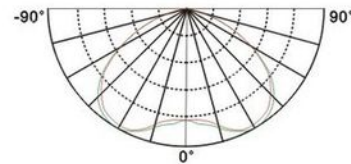
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 120W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > BMC die-casting aluminium lampshade with perfect high purity appearance.
- > Inner reflector applied with imported heat resistant vacuum, effectively increasing the reflection space up to 94.3%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Material and Technique:

- > ADC12 die-casting aluminium.
- > Unsaturated polyester resin (BMC) injection moulding reflector.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > High temperature resistant vacuum coating process temperature diffuser.

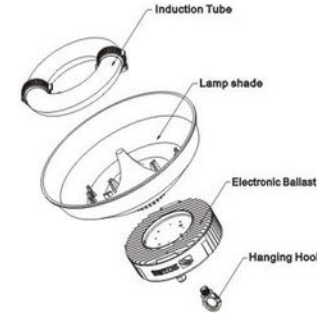
Light distribution curve:



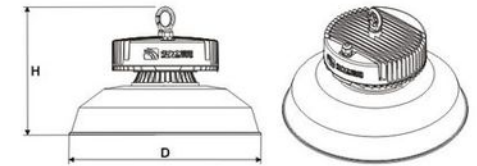
Patent No.: 201320166765.3
 201330052371.0
 201320105623.6
 201220007874.6
 201330064276.2



GDD Series IP20



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD238C	120-150	Φ451	~301
GDD238D	200	Φ484	~313
GDD238E	250-300	Φ532	~326

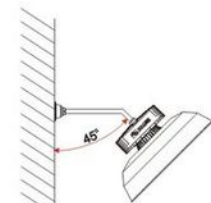
Installation Diagram:



Hanging chain installation



Hanging tube mounting



Wall mounting

Technical Data:

Product	GDD238 High Bay Lamp Series				
Wattage (W)	120	150	200	250	300
Model	GDD238C		GDD238D	GDD238E	
Luminous Flux (lm)	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	8.5	10	11.5	13	15
Power Factor	0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.				
IP Rated	IP20				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	Φ451x301		Φ484x313	Φ532x326	
Carton Size(cm)	51X51X30		54X54X31	59X59X32	
Net Weight(kg)	5.92	5.92	6.3	6.59	6.59
Gross Weight(kg)	8.06	8.06	8.3	8.69	8.69
Model	GDD238-WJ120	GDD238-WJ150	GDD238-WJ200	GDD238-WJ250	GDD238-WJ300

GDD238 SERIES

Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

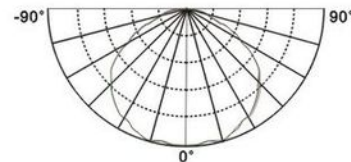
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 120W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > BMC lampshade with perfect high purity appearance.
- > Inner reflector applied with imported nano diffused reflection technology, effectively increasing the reflection space up to 94.3%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

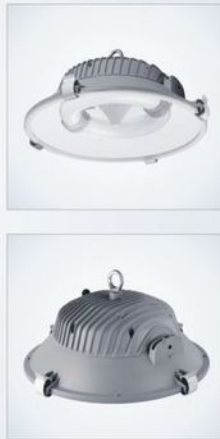
Material and Technique:

- > ADC12 die-casting aluminium.
- > Unsaturated polyester resin (BMC) injection moulding reflector.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > High temperature resistant Nano-coating process temperature diffuser.

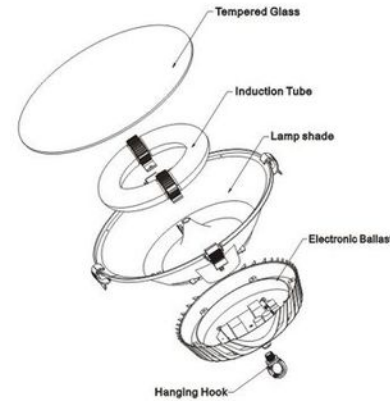
Light distribution curve:



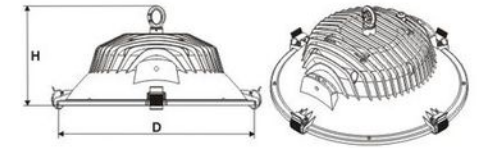
Patent No.: 201320166765.3
201330052371.0
201320105623.6
201220007874.6



GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD068A	40-60	Φ380	~247
GDD068B	80-100	Φ400	~237
GDD068C	120-200	Φ507	~256
GDD068D	250-300	Φ556	~281

GDD068 SERIES

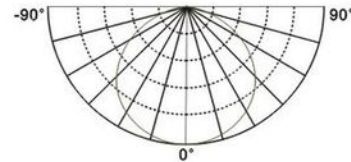
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminum electrical box -high temperature baked and corrosion resistant.
- > Integrated die-casting aluminum lampshade and reflector with perfect high purity appearance.
- > Inner reflector applied nano diffuser technology, effectively increasing the reflection space up to 90%.
- > Tempered glass with heat resistant silicone seal and high strength aluminum hasp-luminousness can reach 90%.
- > Integrated built-in electronic ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature Nano-coating process temperature diffuser.
- > Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > 6063 high-strength aluminium hasp.

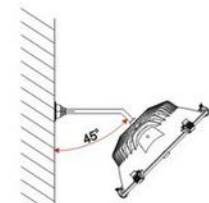
Installation Diagram:



Hanging chain installation



Hanging tube mounting

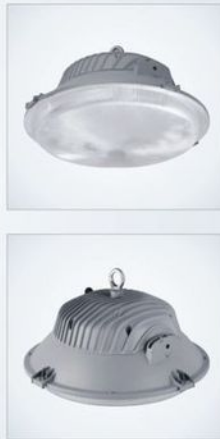


Wall mounting

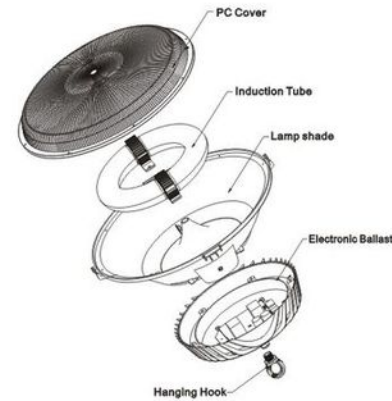
Technical Data:

Product	GDD068 High Bay Lamp Series								
Wattage (W)	40	60	80	100	120	150	200	250	300
Model	GDD068A		GDD068B		GDD068C		GDD068D		
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ360x247		Φ400x237		Φ507x256		Φ556x281		
Carton Size(cm)	42X42X36		46X46X36		57X57X37		62X62X61		
Net Weight(kg)	6	6	6.3	6.3	6.7	6.7	6	6	6.3
Gross Weight(kg)	7.5	7.5	7.8	7.8	8.2	8.2	7.5	7.5	7.8
Model	GDD068-WJ40/T	GDD068-WJ60/T	GDD068-WJ80/T	GDD068-WJ100/T	GDD068-WJ120/T	GDD068-WJ150/T	GDD068-WJ200/T	GDD068-WJ250/T	GDD068-WJ300/T

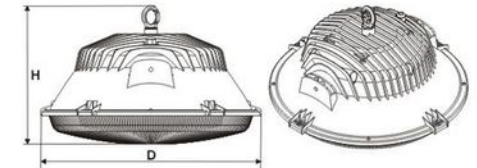
Patent No.: 201320166765.3
201330052371.0
201320105623.6



GDD Series IP66



Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
GDD068A	40-60	Φ380	~310
GDD068B	80-100	Φ400	~300
GDD068C	120-200	Φ507	~322
GDD068D	250-300	Φ556	~355

GDD068PC SERIES

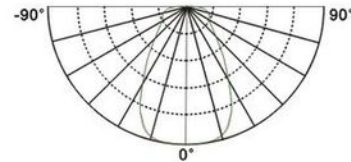
Applications:

Airports, Sports Venues, Petrol Stations, Playgrounds, Railway Stations, Warehouses and Workshops.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade and reflector with perfect high purity appearance.
- > Imported nano diffused reflection technology, effectively increasing the reflectivity up to 90%.
- > PC cover with heat resistant silicone seal and high strength aluminium hasp, effectively avoid the glare, luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient, reduce maintenance costs and environmentally friendly.

Light distribution curve:



Material and Technique:

- > ADC12 die-casting aluminium.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > 200°C high temperature resistant Nano-coating process temperature diffuser.
- > Curved PC cover.
- > Imported rubber sealing ring.
- > 304 stainless steel screw hasp.

Installation Diagram:



Technical Data:

Product	GDD068PC High Bay Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	GDD068A-PC GDD068B-PC GDD068C-PC GDD068D-PC								
Model	GDD068A-PC GDD068B-PC GDD068C-PC GDD068D-PC								
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9 0.95 0.98								
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 50°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	Φ360x310		Φ400x300		Φ507x322		Φ556x355		
Carton Size(cm)	42X42X36		46X46X36		57X57X37		62X62X41		
Net Weight(kg)	6	6	6.3	6.3	6.7	6.7	6	6	6.3
Gross Weight(kg)	7.5	7.5	7.8	7.8	8.2	8.2	7.5	7.5	7.8
Model	GDD068-WJ40/C	GDD068-WJ60/C	GDD068-WJ80/C	GDD068-WJ100/C	GDD068-WJ120/C	GDD068-WJ150/C	GDD068-WJ200/C	GDD068-WJ250/C	GDD068-WJ300/C



FLOOD LAMP SERIES

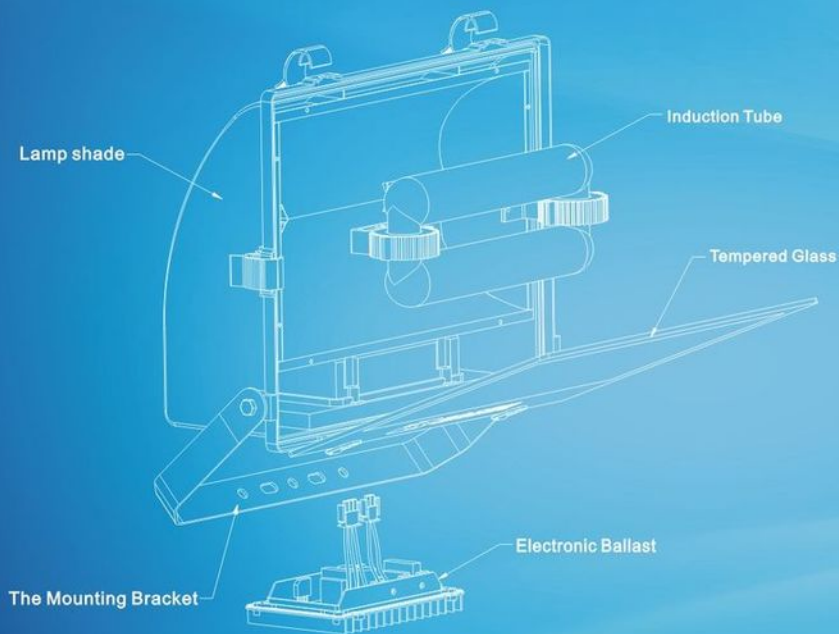


FLOOD LAMP SERIES



Main applications:
Factories, Warehouses, Billboards, Buildings, Walls, Gymnasiums, Stations





IP Rated:
Up to IP66, can apply in variety of harsh environment.

Die-cast lampshade:
Special design to suit the structure of Induction tube, fix tube directly inside the lampshade with out using extra holder

Aluminium hasp:
High-strength aluminium hasp, 5 times strength of stainless steel, ensure the high protection grade.

Sealing:
Heat-resistant, anti-aging and anti-UV silicone rubber seal, 10 years lifespan.

The precise distribution of light:
Special design for induction tube, excellent light distribution.

Cover:
Super white tempered glass light transmittance 90%



1. Germany aluminum Miro5 mirrored Inner reflectors, 95% reflectivity



2. Imported nano-coating technique on reflector, 90% reflectivity.

Patent No.: 201320166679.2



TGS Series IP66

Lamp Size: (Unit: mm)

Installation Size:

Model	Power (W)	L(mm)	W1(mm)	W(mm)	H(mm)
TGS029A	80-150	~495	~520	~415	~180
TGS029B	200	~575	~520	~415	~180

TGS029 SERIES

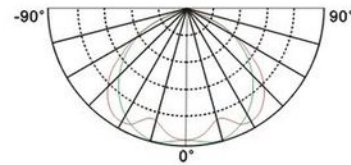
Applications:

Factories, Warehouses, Billboards,
Building Lighting, Sports Venues, Stations and Street Lighting.

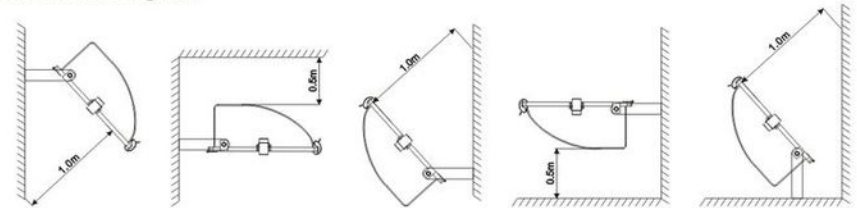
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 80W-200W rectangular tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > Semi internal durable die-casting aluminum electrical box-high temperature baked and corrosion resistant with excellent cooling performance.
- > Mirrored aluminum inner reflectors with effectively increasing the reflectivity up to 90%.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

Light distribution curve:



Installation Diagram:



Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Mirrored aluminum inner reflectors with Germany aluminum Miro5
- > 5mm Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.



Technical Data:

Product	TGS029 FLOOD LAMP SERIES				
	80	100	120	150	200
Wattage (W)	80	100	120	150	200
Model	TGS029A TGS029B				
Luminous Flux (lm)	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	6	7.5	8.5	10	11.5
Power Factor	0.95				0.98
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.				
IP Rated	IP66				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	495X415X180				575X415X180
Carton Size(cm)	56X46X25				63X46X25
Net Weight(kg)	8.5	9	10	10	11
Gross Weight(kg)	9	9.5	10.5	10.5	11.71
Model	TGS029-WJ80/T	TGS029-WJ100/T	TGS029-WJ120/T	TGS029-WJ150/T	TGS029-WJ200/T

Patent No.: 201320166679.2
201220007874.6



TGS Series IP66

Lamp Size: (Unit: mm)

Installation Size:

Model	Power (W)	L(mm)	W1(mm)	W(mm)	H(mm)
TGS028A	80-150	~495	~520	~415	~180
TGS028B	200	~675	~520	~415	~180

TGS028 SERIES

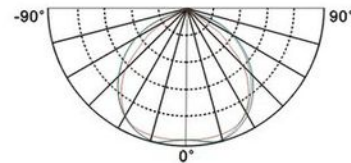
Applications:

Factories, Warehouses, Billboards,
Building Lighting, Sports Venues, Stations and Street Lighting.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 80W-200W rectangular tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > Semi internal durable die-casting aluminum electrical box high temperature baked and corrosion resistant with excellent cooling performance.
- > ADC12 integrated die-casting aluminum lampshade with perfect high purity appearance.
- > Nano coated inner reflector, effectively increasing the reflectivity up to 90%.
- > Symmetrical distribution of light enables precise beam.
- > Tempered glass cover with heat resistant silicone seal and high strength 6063 aluminum hasp-luminousness can reach 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

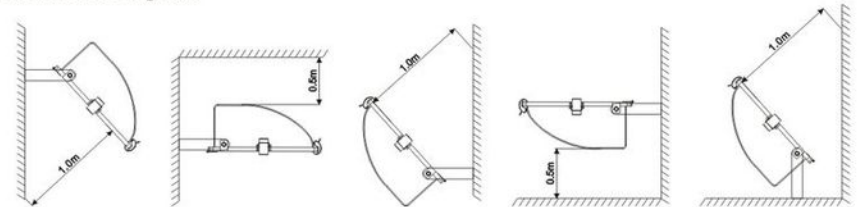
Light distribution curve:



Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Nano-coated inner reflector.
- > 5mm ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.

Installation Diagram:



Technical Data:

Product	TGS028 FLOOD LAMP SERIES				
Wattage (W)	80	100	120	150	200
Model	TGS028A				TGS028B
Luminous Flux (lm)	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	6	7.5	8.5	10	11.5
Power Factor	0.95				0.98
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.				
IP Rated	IP66				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	495X415X180				575X415X180
Carton Size(cm)	56X46X25				63X46X25
Net Weight(kg)	8.5	9	10	10	11
Gross Weight(kg)	9	9.5	10.5	10.5	11.71
Model	TGS028-WJ80/T	TGS028-WJ100/T	TGS028-WJ120/T	TGS028-WJ150/T	TGS028-WJ200/T

Patent No.: 201220007874.6
201130498450.5



TGS Series IP66

TGS039 SERIES

Applications:

Factories, Warehouses, Billboards,
Building Lighting, Sports Venues, Stations and Street Lighting.

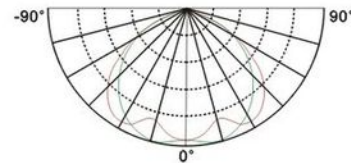
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 80W-200W rectangular tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > External durable die-casting aluminum electrical box - high temperature baked and corrosion resistant with excellent cooling performance.
- > Mirrored aluminum inner reflector, effectively increasing the reflectivity up to 90%.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Mirrored aluminum inner reflector with Germany aluminum Miro5.
- > 5mm Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.

Light distribution curve:

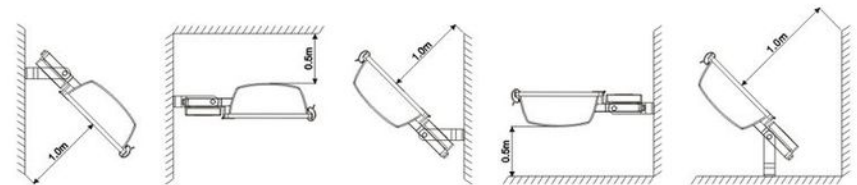


Lamp Size: (Unit: mm)

Installation Size:

Model	Power (W)	L(mm)	W1(mm)	W(mm)	H(mm)
TGS039A	80-150	~470	~610	~470	~136
TGS039B	200	~650	~610	~470	~136

Installation Diagram:



Technical Data:

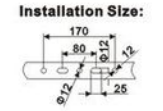
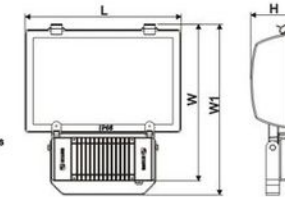
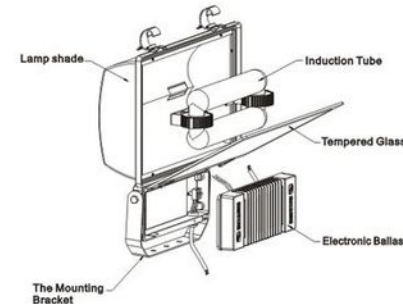
Product	TGS039 FLOOD LAMP SERIES				
Wattage (W)	80	100	120	150	200
Model	TGS039A				
Luminous Flux (lm)	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	6	7.5	8.5	10	11.5
Power Factor	0.95				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/6500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.				
IP Rated	IP66				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	470X470X136				550X470X136
Carton Size(cm)	52X52X10				60X52X10
Net Weight(kg)	7.2	7.3	7.56	7.56	8.81
Gross Weight(kg)	8.33	8.43	8.69	8.69	9.75
Model	TGS039-WJ80/T	TGS039-WJ100/T	TGS039-WJ120/T	TGS039-WJ150/T	TGS039-WJ200/T

Patent No.: 201220007874.6
201130498450.5



TGS Series IP66

Lamp Size: (Unit: mm)



Model	Power (W)	L(mm)	W1(mm)	W(mm)	H(mm)
TGS038A	80-150	~470	~610	~470	~136
TGS038B	200	~650	~610	~470	~136

TGS038 SERIES

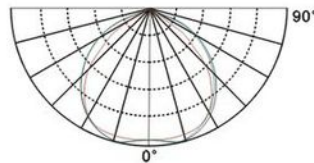
Applications:

Factories, Warehouses, Billboards,
Building Lighting, Sports Venues, Stations and Street Lighting.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 80W-200W rectangular tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > External durable die-casting aluminum electrical box- high temperature baked and corrosion resistant with excellent cooling performance.
- > Nano-coated inner reflector, effectively increasing the reflectivity up to 90%.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

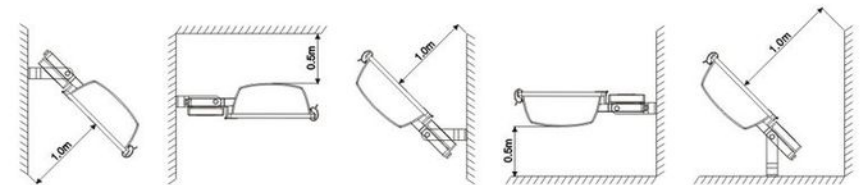
Light distribution curve:



Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Nano-coated inner reflector.
- > 5mm Ultra-white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.

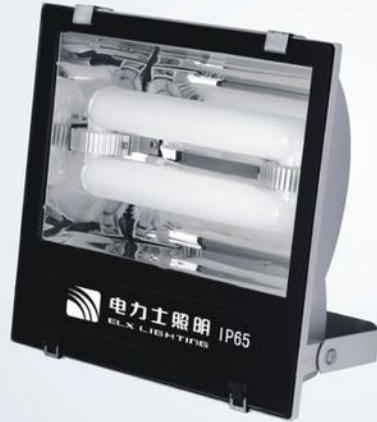
Installation Diagram:



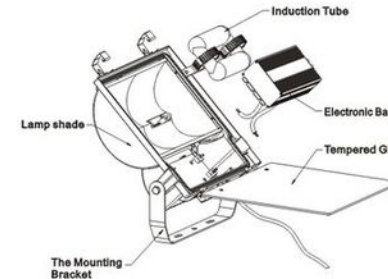
Technical Data:

Product	TGS038 FLOOD LAMP SERIES				
Wattage (W)	80	100	120	150	200
Model	TGS038A				TGS038B
Luminous Flux (lm)	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.				
Current (A)	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	6	7.5	8.5	10	11.5
Power Factor	0.95				0.98
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.				
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.				
IP Rated	IP66				
Dimming	Timing dimming or dimming external trigger terminal				
Product Size(mm)	470X470X136				550X470X136
Carton Size(cm)	52X52X19				60X52X19
Net Weight(kg)	7.2	7.3	7.56	7.56	8.81
Gross Weight(kg)	8.33	8.43	8.69	8.69	9.75
Model	TGS038-WJ80/T	TGS038-WJ100/T	TGS038-WJ120/T	TGS038-WJ150/T	TGS038-WJ200/T

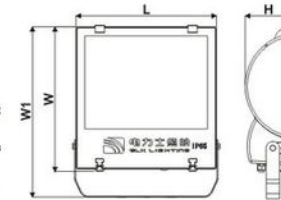
Patent No.: 201220007874.6
201130498450.5



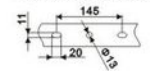
TGS Series IP65



Lamp Size: (Unit: mm)



Installation Size:



Model	Power (W)	L(mm)	W1(mm)	W(mm)	H(mm)
TGS019A	40-60	~326	~421	~354	~117
TGS019B	80-150	~423	~518	~440	~138

TGS019 SERIES

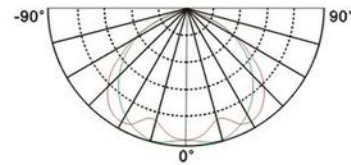
Applications:

Factories, Warehouses, Billboards,
Building Lighting, Sports Venues, Stations and Street Lighting.

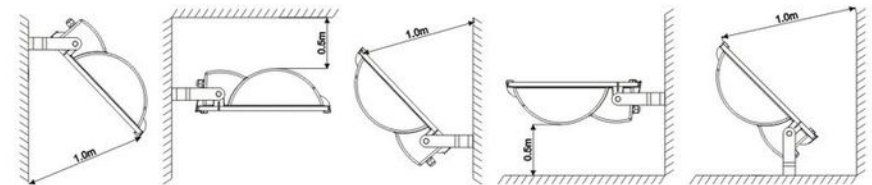
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 40W-150W rectangular tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > Internal durable die-casting aluminum electrical box high temperature baked and corrosion resistant with great IP grade.
- > Mirrored aluminum inner reflectors, effectively increasing the reflectivity up to 80%.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

Light distribution curve:



Installation Diagram:



Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Mirrored aluminum inner reflectors with Germany aluminum Miro5.
- > 5mm Ultrawhite tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.



Technical Data:

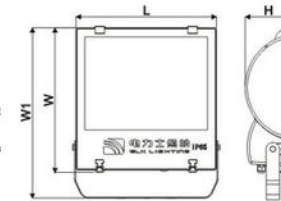
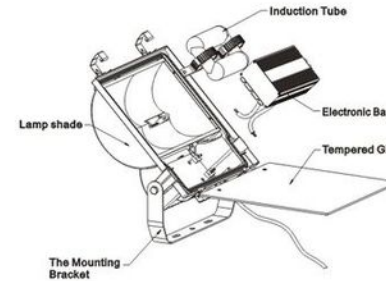
Product	TGS019 FLOOD LAMP SERIES					
Wattage (W)	40	60	80	100	120	150
Model	TGS019A		TGS019B			
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.					
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46
Ballast Consumption(W)	4	5	6	7.5	8.5	10
Power Factor	0.9		0.95		0.98	
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.					
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.					
IP Rated	IP65					
Dimming	Timing dimming or dimming external trigger terminal					
Product Size(mm)	326X354X117			423X440X138		
Carton Size(cm)	37X41X14		47X45X16			
Net Weight(kg)	6.2	6.3	6.56	6.56	7.81	7.81
Gross Weight(kg)	7.33	7.43	7.69	7.69	8.75	8.75
Model	TGS019-WJ40/T	TGS019-WJ60/T	TGS019-WJ80/T	TGS019-WJ100/T	TGS019-WJ120/T	TGS019-WJ150/T

Patent No.: 201220007874.6
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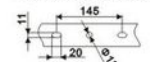


TGS Series IP65

Lamp Size: (Unit: mm)



Installation Size:



Model	Power (W)	L(mm)	W1(mm)	W(mm)	H(mm)
TGS018A	40-60	~326	~421	~354	~117
TGS018B	80-150	~423	~518	~440	~138

TGS018 SERIES

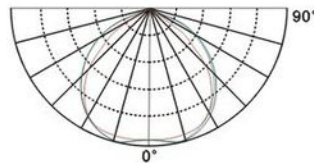
Applications:

Factories, Warehouses, Billboards,
Building Lighting, Sports Venues, Stations and Street Lighting.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 40W-150W rectangular tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > Internal durable die-casting aluminum electrical box high temperature baked and corrosion resistant with great IP grade.
- > Nano coated inner reflector, effectively increasing the reflectivity up to 90%.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

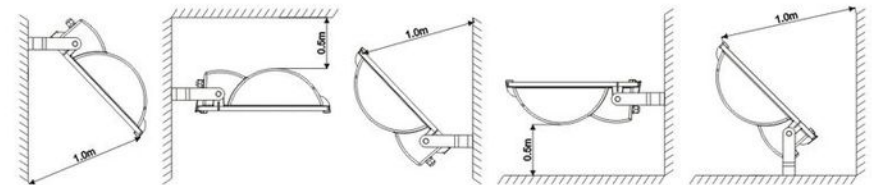
Light distribution curve:



Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Nano coated inner reflector.
- > 5mm ultrawhite tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 304 aluminum hasp.

Installation Diagram:



Technical Data:

Product	TGS018 FLOOD LAMP SERIES					
	40	60	80	100	120	150
Wattage (W)	40	60	80	100	120	150
Model	TGS018A			TGS018B		
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.					
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46
Ballast Consumption(W)	6	5	6	7.5	8.5	10
Power Factor	0.9		0.95		0.98	
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.					
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.					
IP Rated	IP65					
Dimming	Timing dimming or dimming external trigger terminal					
Product Size(mm)	326X354X117			423X440X138		
Carton Size(cm)	37X41X14			47X45X16		
Net Weight(kg)	6.2	6.3	6.56	6.56	7.81	7.81
Gross Weight(kg)	7.33	7.43	7.69	7.69	8.75	8.75
Model	TGS018-WJ40/T	TGS018-WJ60/T	TGS018-WJ80/T	TGS018-WJ100/T	TGS018-WJ120/T	TGS018-WJ150/T

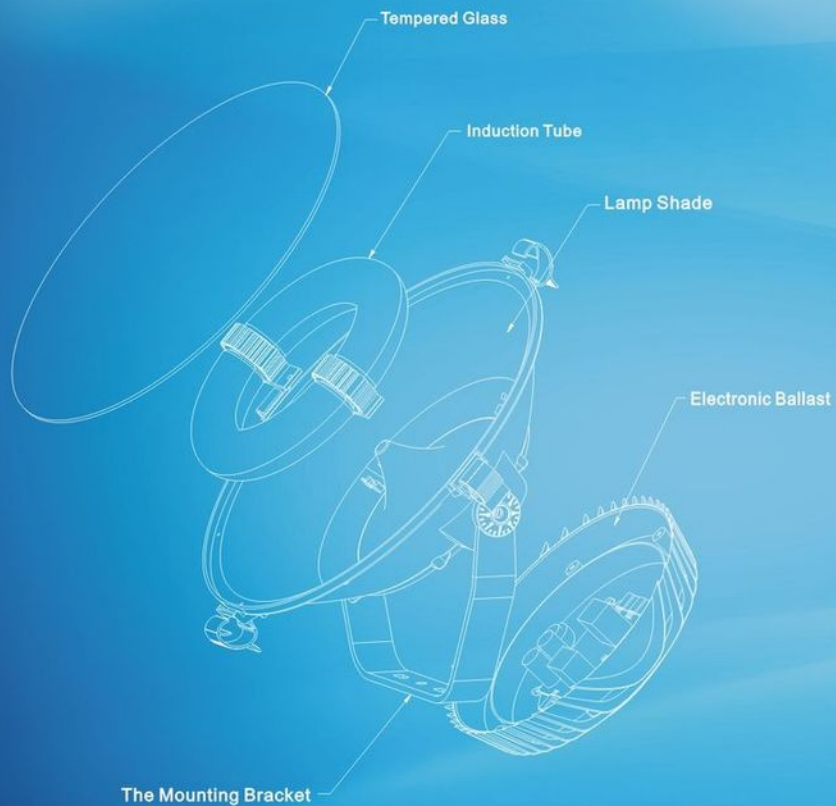
FLOOD LAMP SERIES



Main applications:
Factories, Warehouses, Gymnasiums, Shopping Centers, Stations,
Outdoor Landscape Lighting



FLOOD LAMP SERIES



The precise distribution of light; Special design for induction tube, excellent light distribution.

Cover: Super white tempered glass light transmittance 90%.



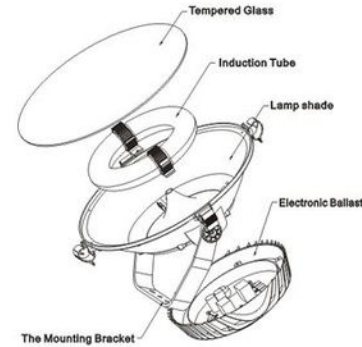

Reflector material: High temperature vacuum coating technique on reflector.



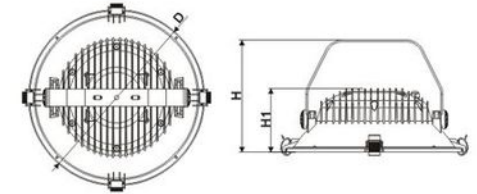
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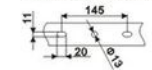
TGS Series IP66



Lamp Size: (Unit: mm)

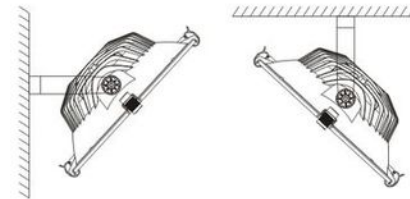


Installation Size:



Model	Power (W)	D(mm)	H(mm)	H1(mm)
TGS068A	40-80	φ360	~303	~175
TGS068B	80-100	φ400	~293	~165
TGS066C	120-200	φ507	~324	~183
TGS066D	250-300	φ556	~370	~208

Installation Diagram:



TGS066 SERIES

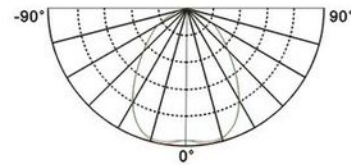
Applications:

Roads, Billboards, Building Lighting,
Sports Venues, Stations and Market Lighting.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 40W-300W round tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > Internal durable die-casting aluminum electrical box high temperature baked and corrosion resistant with excellent cooling performance.
- > Inner reflector applied with imported heat resistant vacuum, effectively increasing the reflection space up to 90%.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

Light distribution curve:



Material and Technique:

- > ADC12 integrated diecast aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Imported heat resistant vacuum inner reflector.
- > 5mm ultrawhite tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.

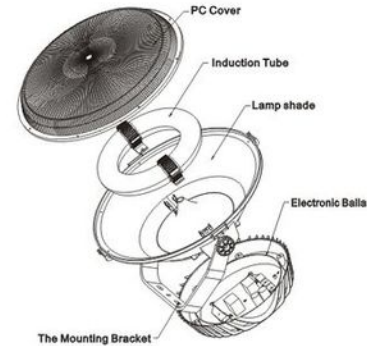
Technical Data:

Product	TGS066 FLOOD LAMP SERIES								
Wattage (W)	40	60	80	100	120	150	200	250	300
Model	TGS068A		TGS068B		TGS066C		TGS066D		
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C ~ 50°C; Products can be customized for -40°C ~ 20°C.								
IP Rated	IP66								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	φ360x303		φ400x293		φ507x324		φ556x370		
Carton Size(cm)	42x42X36		46x46X36		57x57X37		82x82X61		
Net Weight(kg)	6.0	6.0	6.3	6.3	6.7	6.7	6.0	6.0	6.3
Gross Weight(kg)	7.5	7.5	7.8	7.8	8.2	8.2	7.5	7.5	7.8
Model	TGS066-WJ40/T	TGS066-WJ60/T	TGS066-WJ80/T	TGS066-WJ100/T	TGS066-WJ120/T	TGS066-WJ150/T	TGS066-WJ200/T	TGS066-WJ250/T	TGS066-WJ300/T

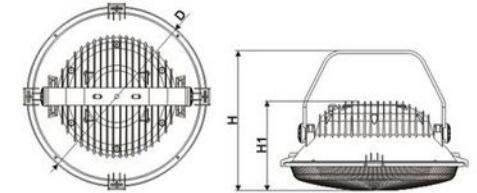
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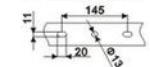
TGS Series IP66



Lamp Size: (Unit: mm)

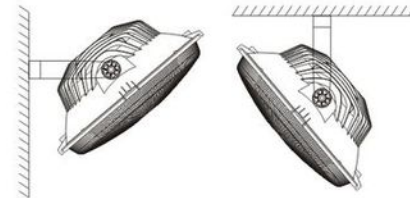


Installation Size:



Model	Power (W)	D(mm)	H(mm)	H1(mm)
TGS066A-PC	40-60	Φ360	~303	~175
TGS066B-PC	80-100	Φ400	~293	~165
TGS066C-PC	120-150	Φ507	~324	~183

Installation Diagram:



TGS066PC SERIES

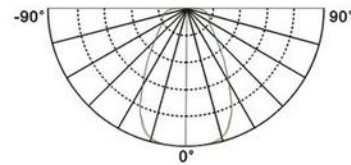
Applications:

Roads, Billboards, Building Lighting,
Sports Venues, Stations and Market Lighting.

Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 40W-150W round color tube induction lamp provides efficient, long life, excellent color rendering and stable lighting.
- > Internal durable die-casting aluminum electrical box high temperature baked and corrosion resistant with excellent cooling performance.
- > Symmetrical distribution of light enables precise beam.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.

Light distribution curve:



Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Imported heat resistant vacuum inner reflector.
- > 5mm PC illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.

Technical Data:

Product	TGS066PC FLOOD LAMP SERIES					
Wattage (W)	40	60	80	100	120	150
Model	TGS066A-PC		TGS066B-PC		TGS066C-PC	
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.					
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46
Ballast Consumption(W)	4	5	6	7.5	8.5	10
Power Factor	0.9			0.95		0.98
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.					
Ambient Temperature	Standard products working at -25°C ~ 60°C; Products can be customized for -40°C ~ 20°C.					
IP Rated	IP66					
Dimming	Timing dimming or dimming external trigger terminal					
Product Size(mm)	Φ360x303		Φ400x293		Φ507x324	
Carton Size(cm)	42X42X36		46X46X36		57X57X37	
Net Weight(kg)	6.0	6.0	6.3	6.3	6.7	6.7
Gross Weight(kg)	7.5	7.5	7.8	7.8	8.2	8.2
Model	TGS066-WJ40/C	TGS066-WJ60/C	TGS066-WJ80/C	TGS066-WJ100/C	TGS066-WJ120/C	TGS066-WJ150/C



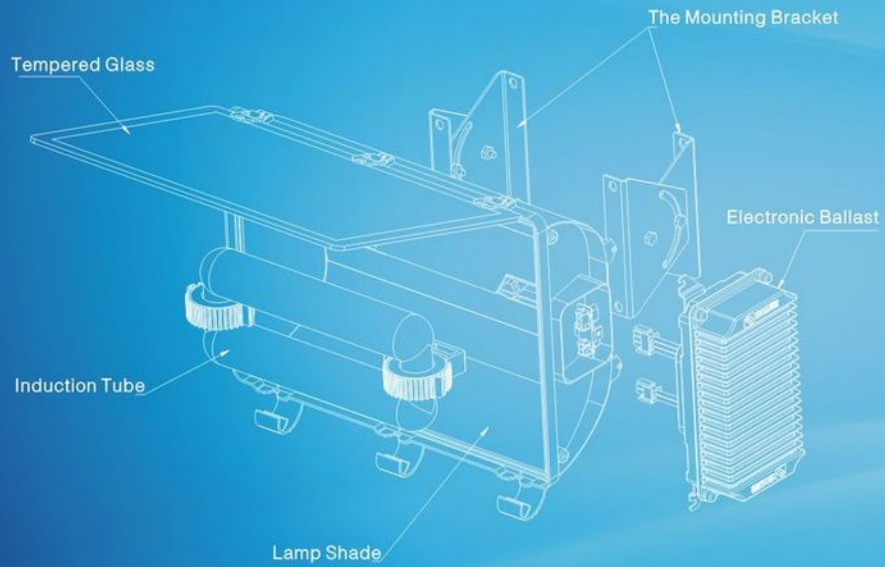
TUNNEL LAMP SERIES



TUNNEL LAMP SERIES



Main Applications:
Tunnels, Roads, Factories, Warehouses, Billboards



IP Rated:
Up to IP66, can apply in variety of harsh environment.

Die-cast lampshade:
Integrated molding of reflector with housing and die-cast aluminium lampshade allows easy installation, maintenance, efficient cooling and greater life between services.

Aluminium hasp:
High-strength aluminium hasp, 5 times strength of stainless steel, ensure the high protection grade.

Sealing:
Heat-resistant, anti-aging and anti-UV silicone rubber seal, 10 years lifespan.



External ballast box, efficient cooling

The precise distribution of light:
Special design for induction tube, excellent light distribution.

Cover:
Super white tempered glass light transmittance 90%



Reflector material:
Vacuum coating and nano-coating reflector



DLSD Series IP66

DLSD036 SERIES

Applications:

Tunnels, Factories, Warehouses, Billboards and Street Lighting.

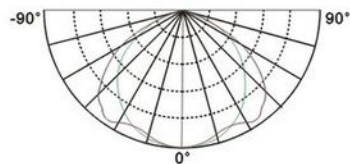
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > With adjustable angle for installation up or down.
- > Applied with ELX 80W-300W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > External durable die-casting aluminium electrical box-high temperature baked and corrosion resistant with excellent cooling performance.
- > Inner reflector applied with imported heat resistant vacuum, effectively increasing the reflection space up to 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient and environmentally friendly.

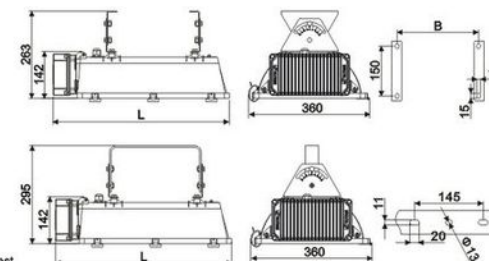
Material and Technique:

- > ADC12 integrated die-casting aluminium lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Imported heat resistant vacuum inner reflector.
- > 5mm ultra white tempered glass illuminating surface.
- > Imported rubber sealing ring.
- > High strength 6063 aluminum hasp.

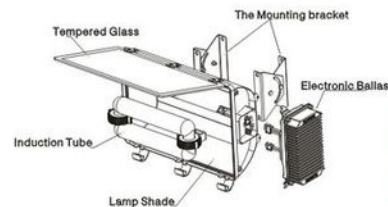
Light distribution curve:



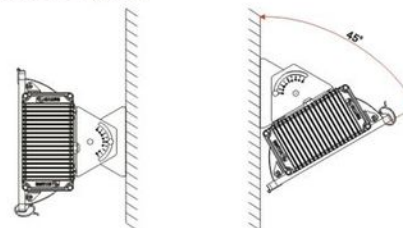
Lamp Size: (Unit: mm)



Model	Power (W)	D (mm)	H (mm)
DLSD036A	80-150	~540	~245
DLSD036AL	80-150	~540	~245
DLSD036A	200-300	~725	~295
DLSD036AL	200-300	~725	~295



Installation Diagram:



Technical Data:

Product	DLSD036 Tunnel Lamp Series						
Wattage (W)	80	100	120	150	200	250	300
Model	DLSD036A			DLSD036B			
Luminous Flux (lm)	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.						
Current (A)	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	6	7.5	8.5	10	11.5	13	15
Power Factor	0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.						
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.						
IP Rated	IP66						
Dimming	Timing dimming or dimming external trigger terminal						
Product Size(mm)	540X360X142			725X360X142			
Carton Size(cm)	60X41X23			80X41X23			
Net Weight(kg)	7.5	7.8	8	8	8.7	9.3	9.3
Gross Weight(kg)	8.2	8.4	8.5	8.5	9.2	10	10
Model	DLSD036-WJ80/T	DLSD036-WJ100/T	DLSD036-WJ120/T	DLSD036-WJ150/T	DLSD036-WJ200/T	DLSD036-WJ250/T	DLSD036-WJ300/T

Patent No.:201220007874.6



DLSD Series IP66

DLSD038 SERIES

Applications:

Tunnels, Factories, Warehouses, Billboards and Street Lighting.

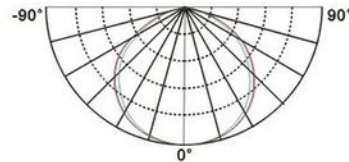
Features:

- > Design unique to ELX.
- > Lightning protection design, can withstand less than 20KV lightning interference.
- > Applied with ELX 80W-300W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > External durable die-casting aluminium electrical box-high temperature baked and corrosion resistant.
- > Integrated die-casting aluminium lampshade with perfect high purity appearance.
- > Nano coating inner reflector, effectively increasing the reflectivity up to 90%.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient and environmentally friendly.

Material and Technique:

- > ADC12 integrated die-casting aluminum lampshade.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Nano coating inner reflector.
- > 5mm ultra white tempered glass illuminating surface.
- > Imported rubber sealing ring
- > High strength 6063 aluminum hasp

Light distribution curve:

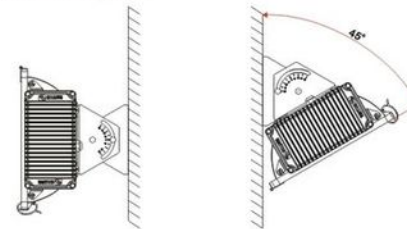


Lamp Size: (Unit: mm)

Labels: Tempered Glass, The Mounting bracket, Electronic Ballast, Induction Tube, Lamp Shade.

Model	Power (W)	D (mm)	H (mm)
DLSD038A	80-150	~540	~245
DLSD038AL	80-150	~540	~245
DLSD038A	200-300	~725	~295
DLSD038AL	200-300	~725	~295

Installation Diagram:



Technical Data:

Product	DLSD038 Tunnel Lamp Series						
Wattage (W)	80	100	120	150	200	250	300
Model	DLSD038A			DLSD038B			
Luminous Flux (lm)	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.						
Current (A)	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	6	7.5	8.5	10	11.5	13	15
Power Factor	0.95		0.98				
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.						
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.						
IP Rated	IP66						
Dimming	Timing dimming or dimming external trigger terminal						
Product Size(mm)	540X360X142			725X360X142			
Carton Size(cm)	60X41X23			80X41X23			
Net Weight(kg)	7.5	7.8	8	8	8.7	9.3	9.3
Gross Weight(kg)	8.2	8.4	8.5	8.5	9.2	10	10
Model	DLSD038-WJ80/T	DLSD038-WJ100/T	DLSD038-WJ120/T	DLSD038-WJ150/T	DLSD038-WJ200/T	DLSD038-WJ250/T	DLSD038-WJ300/T



STREET LAMP

SERIES



Main Applications:
Road Lighting, Residential Lighting

STREET LAMP SERIES





DLDL Series IP65



DLDL001 SERIES

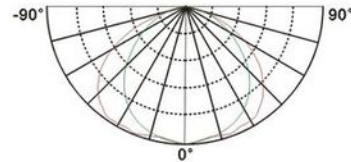
Applications:

Courtyard lighting or road lighting.

Features:

- > Applied with ELX 40W-200W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- > Integrated die-casting aluminium lampshade and reflector with perfect high-purity appearance. Electrostatic spray treatment surface, efficient corrosion resistant, impact resistant, solid and durable.
- > Imported vacuum coating reflector technology, effectively increasing the reflectivity up to 90%.
- > Tempered glass cover with heat-resistant silicone seal and high-strength 304 stainless steel hasp.
- > Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- > Energy efficient and environmentally friendly.

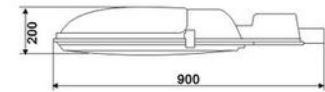
Light distribution curve:



Material and Technique:

- > High strength aluminum die-casting technology integrated lamp body.
- > Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- > Imported rubber sealing ring.
- > High temperature resistant imported vacuum coating diffuser.
- > Curved tempered glass cover.

Lamp Size: (Unit: mm)



Technical Data:

Product	DLDL001 Street Lamp Series						
Wattage (W)	40	60	80	100	120	150	200
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.						
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5
Power Factor	0.9		0.95			0.98	
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5000K, to be ordered for additional color temperature.						
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.						
IP Rated	IP65						
Dimming	Timing dimming or dimming external trigger terminal						
Product Size(mm)	900X400X200						
Carton Size(cm)	150X45X24						
Net Weight(kg)	9.1	9.2	9.6	9.65	9.7	9.7	9.91
Gross Weight(kg)	10.5	10.8	11	11.05	11.1	11.1	11.3
Model	DLDL001-WJ40	DLDL001-WJ60	DLDL001-WJ80	DLDL001-WJ100	DLDL001-WJ120	DLDL001-WJ150	DLDL001-WJ200



DLDL Series IP65

DLDL002 SERIES

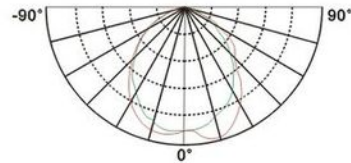
Applications:

Courtyard lighting or road lighting.

Features:

- >Applied with ELX 40W-300W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- >Integrated die-casting aluminium lampshade and reflector with perfect high-purity appearance. Electrostatic spray treatment surface, efficient corrosion resistant, impact resistant, solid and durable.
- >Imported vacuum coating reflector technology, effectively increasing the reflectivity up to 90%.
- >Tempered glass cover with heat-resistant silicone seal and high-strength 304 stainless steel hasp.
- >Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- >Energy efficient and environmentally friendly.

Light distribution curve:

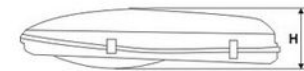
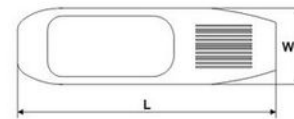


Material and Technique:

- >High strength aluminum die-casting technology integrated lamp body.
- >Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- >Imported rubber sealing ring.
- >High temperature resistant imported vacuum coating diffuser.
- >Curved tempered glass cover.



Lamp Size: (Unit: mm)



Model	Power (W)	L(mm)	W(mm)	H(mm)
DLDL002A	40-150	~860	~410	~152
DLDL002B	200-300	~1000	~400	~245

Technical Data:

Product	DLDL002 Street Lamp Series								
	40	60	80	100	120	150	200	250	300
Wattage (W)	40	60	80	100	120	150	200	250	300
Model	DLDL002A				DLDL002B				
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9			0.95			0.98		
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/6500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.								
IP Rated	IP65								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	860X410X152						1000X400X245		
Carton Size(cm)	100X45X18						115X45X26		
Net Weight(kg)	9.1	9.2	9.6	9.6	9.7	9.7	9.9	10.36	10.36
Gross Weight(kg)	10.5	10.6	11	11	11.1	11.1	11.3	12.4	12.4
Model	DLDL002-WJ40	DLDL002-WJ60	DLDL002-WJ80	DLDL002-WJ100	DLDL002-WJ120	DLDL002-WJ150	DLDL002-WJ200	DLDL002-WJ250	DLDL002-WJ300



DLDL Series IP66



DLDL003 SERIES

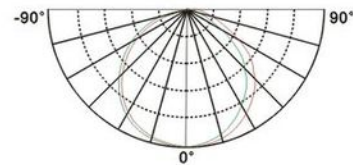
Applications:

Courtyard lighting or road lighting.

Features:

- >Applied with ELX 40W-100W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- >Integrated die-casting aluminium lampshade and reflector with perfect high-purity appearance. Electrostatic spray treatment surface, efficient corrosion resistant, impact resistant, solid and durable.
- >Imported vacuum coating reflector technology, effectively increasing the reflectivity up to 90%.
- >Tempered glass cover with heat-resistant silicone seal and high-strength 304 stainless steel hasp.
- >Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- >Energy efficient and environmentally friendly.

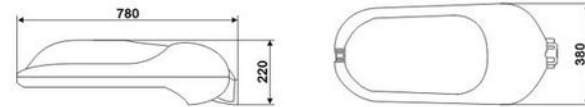
Light distribution curve:



Material and Technique:

- >High strength aluminum die-casting technology integrated lamp body.
- >Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- >Imported rubber sealing ring.
- >High temperature resistant imported vacuum coating diffuser.
- >Curved tempered glass cover.

Lamp Size: (Unit: mm)



Technical Data:

Product	DLDL003 Street Lamp Series			
Wattage (W)	40	60	80	100
Luminous Flux (lm)	2800	4500	6400	8000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.			
Current (A)	0.2	0.3	0.39	0.49
Current 110V (A)	0.4	0.6	0.78	0.98
Ballast Consumption(W)	4	5	6	7.5
Power Factor	0.9		0.95	
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5000K, to be ordered for additional color temperature.			
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.			
IP Rated	Ip66			
Dimming	Timing dimming or dimming external trigger terminal			
Product Size(mm)	790X380X220			
Carton Size(cm)	85X420X250			
Net Weight(kg)	6.4	6.6	6.9	7
Gross Weight(kg)	7.8	8.0	8.3	8.4
Model	DLDL003-WJ40	DLDL003-WJ60	DLDL003-WJ80	DLDL003-WJ100



DLDL Series IP65



DLDL008 SERIES

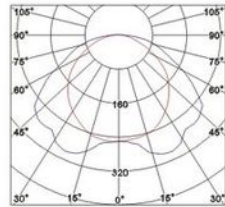
Applications:

Courtyard lighting or road lighting.

Features:

- >Applied with ELX 40W-200W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- >Integrated die-casting aluminium lampshade and reflector with perfect high-purity appearance. Electrostatic spray treatment surface, efficient corrosion resistant, impact resistant, solid and durable.
- >Imported vacuum coating reflector technology, effectively increasing the reflectivity up to 90%.
- >Tempered glass cover with heat-resistant silicone seal and high-strength 304 stainless steel hasp.
- >Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- >Energy efficient and environmentally friendly.

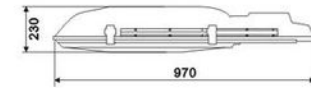
Light distribution curve:



Material and Technique:

- >High strength aluminum die-casting technology integrated lamp body.
- >Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- >Imported rubber sealing ring.
- >High temperature resistant imported vacuum coating diffuser.
- >Tempered glass cover.

Lamp Size: (Unit: mm)



Technical Data:

Product	DLDL008 STREET LAMP SERIES						
Wattage (W)	40	60	80	100	120	150	200
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.						
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5
Power Factor	0.9		0.95			0.98	
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.						
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.						
IP Rated	IP65						
Dimming	Timing dimming or dimming external trigger terminal						
Product Size(mm)	970X380X230						
Carton Size(cm)	110X47.5X34						
Net Weight(kg)	7.5	7.6	8	8	8.1	8.1	8.3
Gross Weight(kg)	8.8	8.9	9.3	9.3	9.4	9.4	9.6
Model	DLDL008-WJ40	DLDL008-WJ60	DLDL008-WJ80	DLDL008-WJ100	DLDL008-WJ120	DLDL008-WJ150	DLDL008-WJ200



DLDL Series IP65



DLDL009 SERIES

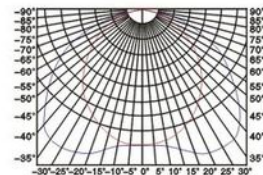
Applications:

Courtyard lighting or road lighting.

Features:

- >Applied with ELX 40W-300W rectangular tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- >Integrated die-casting aluminium lampshade and reflector with perfect high-purity appearance. Electrostatic spray treatment surface, efficient corrosion resistant, impact resistant, solid and durable.
- >Imported vacuum coating reflector technology, effectively increasing the reflectivity up to 90%.
- >Tempered glass cover with heat-resistant silicone seal and high-strength 304 stainless steel hasp.
- >Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- >Energy efficient and environmentally friendly.

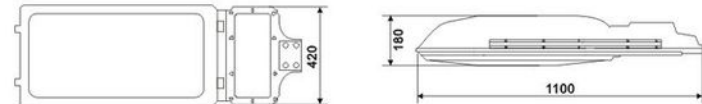
Light distribution curve:



Material and Technique:

- >High strength aluminum die-casting technology integrated lamp body.
- >Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- >Imported rubber sealing ring.
- >High temperature resistant imported vacuum coating diffuser.
- >Tempered glass cover.

Lamp Size: (Unit: mm)



Technical Data:

Product	DLDL009 Street Lamp Series								
Wattage (W)	40	60	80	100	120	150	200	250	300
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Power Factor	0.9		0.95				0.98		
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.								
IP Rated	IP65								
Dimming	Timing dimming or dimming external trigger terminal								
Product Size(mm)	1100X420X180								
Carton Size(cm)	120X44X25								
Net Weight(kg)	7.5	7.5	7.7	7.8	7.9	8	8	8.1	8.1
Gross Weight(kg)	8.8	8.8	9	9.1	9.4	9.4	9.4	9.6	9.6
Model	DLDL009-WJ40	DLDL009-WJ60	DLDL009-WJ80	DLDL009-WJ100	DLDL009-WJ120	DLDL009-WJ150	DLDL009-WJ200	DLDL009-WJ250	DLDL009-WJ300



DLDL Series IP65



DLDL012 SERIES

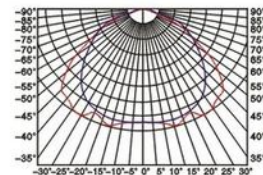
Applications:

Courtyard lighting or road lighting.

Features:

- >Applied with ELX 40W-60W round tube induction lamp provides efficient, long life, excellent colour rendering and stable lighting.
- >Integrated die-casting aluminium lampshade and reflector with perfect high-purity appearance. Electrostatic spray treatment surface, efficient corrosion resistant, impact resistant, solid and durable.
- >Imported vacuum coating reflector technology, effectively increasing the reflectivity up to 90%.
- >Tempered glass cover with heat-resistant silicone seal and high-strength 304 stainless steel hasp.
- >Integrated ballast and lamp design allows easy installation, maintenance, efficient cooling and greater life between services.
- >Energy efficient and environmentally friendly.

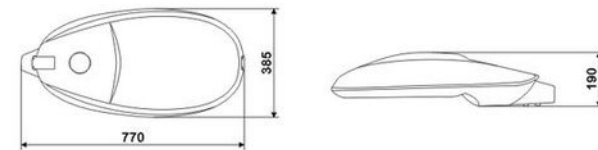
Light distribution curve:



Material and Technique:

- >High strength aluminum die-casting technology integrated lamp body.
- >Lamp body adopts high temperature baked quality dark gray corrosion resistant coating process.
- >Imported rubber sealing ring.
- >High temperature resistant imported vacuum coating diffuser.
- >Curved tempered glass cover.

Lamp Size: (Unit: mm)



Technical Data:

Product	DLDL012 Street Lamp Series	
Wattage (W)	40	60
Luminous Flux (lm)	2800	4500
Voltage (V)	Standard voltage:AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.	
Current (A)	0.2	0.3
Current 110V (A)	0.4	0.6
Ballast Consumption(W)	4	5
Power Factor	0.9	
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/5500K, to be ordered for additional color temperature.	
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.	
IP Rated	IP65	
Dimming	Timing dimming or dimming external trigger terminal	
Product Size(mm)	770X385X190	
Carton Size(cm)	88X40X230	
Net Weight(kg)	7.2	7.5
Gross Weight(kg)	8.7	9
Model	DLDL012-WJ40	DLDL012-WJ60



CEILING LAMP SERIES



Main Applications:
Low Bay Factories, Parking Garages, Basements, Warehouses and Gates



CEILING LAMP SERIES



GDX Series IP43

GDX004 SERIES

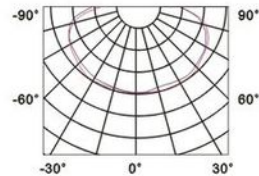
Applications:

Warehouses, Low Bay Factories, Underground Parking Lots and Basements.

Features:

- > Iron lamp body, electrostatic spray processing surface, durable and securely installed.
- > Optical grade polycarbonate (PC) cover with high strength stainless steel screws great pressure and heat-resistant imported silicone sealing ring to seal, IP43 protection grade.
- > Electronic ballast, high power factor, can resist lower than 20KV lightning interference.
- > Excellent light distribution design according to induction lamps characteristic.
- > Suitable for light source: 40-150W round low frequency induction tube.

Light distribution curve:

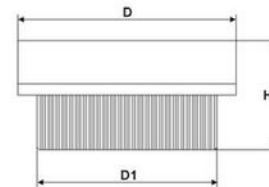


Material and Technique:

- > Iron lamp body, electrostatic spray processing surface.
- > Optical grade polycarbonate (PC) cover.
- > Heat-resistant imported silicone sealing ring.



Lamp Size: (Unit: mm)



Model	Power (W)	D(mm)	D1(mm)	H(mm)
GDX004A	40-80	Φ293	Φ250	192
GDX004B	80-150	Φ400	Φ330	200

Technical Data:

Product	GDX004 Ceiling Lamp Series					
Wattage (W)	40	80	80	100	120	150
Model	GDX004A			GDX004B		
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.					
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.48
Ballast Consumption(W)	4	5	6	7.5	8.5	10
Power Factor						0.95
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/6500K, to be ordered for additional color temperature.					
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.					
IP Rated	IP43					
Dimming	Timing dimming or dimming external trigger terminal					
Product Size(mm)	Φ293X192			Φ400X200		
Carton Size(cm)	33X33X23			44X44X28		
Net Weight(kg)	4.1	4.8	4.9	5.3	5.5	5.5
Gross Weight(kg)	4.9	5.6	5.7	6.2	6.4	6.4
Model	GDX004- WJ40	GDX004- WJ60	GDX004- WJ80	GDX004- WJ100	GDX004- WJ120	GDX004- WJ150



GDX Series IP43

GDX005 SERIES

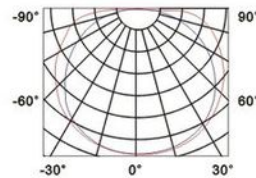
Applications:

Warehouses, Low Bay Factories, Underground Parking Lots, Basements and Corridors

Features:

- > Iron lamp body, electrostatic spray processing surface, durable and securely installed.
- > Optical grade tempered glass cover with high strength stainless steel screws great pressure and heat-resistant imported silicone sealing ring to seal, IP43 protection grade.
- > Electronic ballast, high power factor, can resist lower than 20KV lightning interference.
- > Excellent light distribution design according to induction lamps characteristic.
- > Suitable for light source: 40-200W round low frequency induction tube.

Light distribution curve:

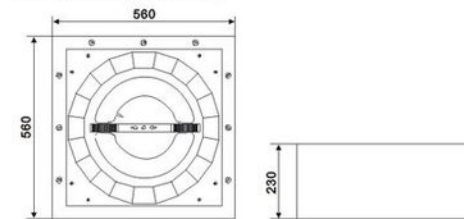


Material and Technique:

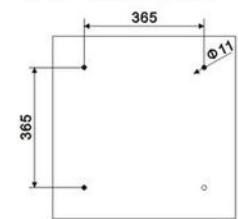
- > Iron lamp body, electrostatic spray processing surface.
- > Optical grade tempered glass cover.
- > Heat-resistant imported silicone sealing ring.



Lamp Size: (Unit: mm)

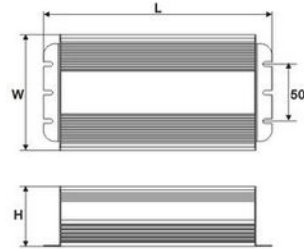


Installation Diagram:



Technical Data:

Product	GDX005 Ceiling Lamp Series						
Wattage (W)	40	60	80	100	120	150	200
Luminous Flux (lm)	2800	4500	6400	8000	9600	12000	16000
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.						
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5
Power Factor	0.9		0.95		0.98		
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/8500K, to be ordered for additional color temperature.						
Ambient Temperature	Standard products working at -25°C - 50°C; Products can be customized for -40°C - 20°C.						
IP Rated	IP43						
Dimming	Timing dimming or dimming external trigger terminal						
Product Size(mm)	560x560x230						
Carton Size(cm)	61x61x29.5						
Net Weight(kg)	9.7	9.7	10	10.1	10.2	10.2	10.5
Gross Weight(kg)	10.8	10.8	11.1	11.2	11.3	11.3	11.5
Model	GD005-WJ40	GD005-WJ60	GD005-WJ80	GD005-WJ100	GD005-WJ120	GD005-WJ150	GD005-WJ200



Model	L(mm)	W(mm)	H(mm)
W10A	114	101.5	55
W10B	197	101.5	55
W10C	230	116.5	60

W10 Ballast Series

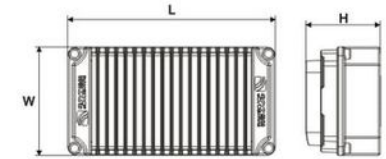
Features:

- > Planarization baseplate design, good for ballast cooling.
- > Two sizes for different wattage, good for cooling and installation.
- > Suitable for installation in middle and side.
- > AC 110V/220V/277V/347V, 110-277V voltages available. APEC Technology, power factor over 0.95.
- > Applied constant voltage technology, start up and keep power stably under voltage fluctuation so as to keep the stable performance of ballast.
- > Electronic ballast has open circuit, short circuit, starting failure, over power etc protection function.
- > Specially lighting protection function, can resist under 20KV struck interference.
- > Wide temperature application range, providing induction light stable output power signal.
- > Meet EMC standard requirements; Eliminate pollution to the environment and electric network.
- > Providing multiple dimmer options; Making induction lights more suitable for industrial, commercial, home lighting and a variety of applications.
- > Multiple DC ballasts for emergency lighting, solar lighting and a variety of fields.
- > Long switch stability can guarantee excellent performance for switch frequently.

Technical Data Table:

Product	W10 Ballast Series								
Wattage (W)	40	60	80	100	120	150	200	250	300
Frequency	50/60HZ								
Voltage (V)	Standard voltage: AC220-240V 50HZ/60HZ; Products of voltage AC100V-AC120V 50HZ/60HZ can be produced according to customers requirements.								
Working Voltage Range(V)	AC165V-305V or AC85V-265V								
Current (A)	0.2	0.3	0.39	0.49	0.58	0.73	0.96	1.2	1.43
Current 110V (A)	0.4	0.6	0.78	0.98	1.16	1.46	1.92	2.4	2.86
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Ambient Temperature	-40°C~+50°C								
Power Factor	> 0.98								
Harmonic Content	≤ 10%								
Transfer Efficiency	90%	92%	92.5%	93%	93.3%	93.7%	94%	94.5%	94.7%
Product Size(mm)	114x101.5x55			197x101.5x55			230x116.5x60		
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJ40DW10	WJ60DW10	WJ80DW10	WJ100DW10	WJ120DW10	WJ150DW10	WJ200DW10	WJ250DW10	WJ300DW10

W20 Supporting Ballast of Tunnel Lamp Series

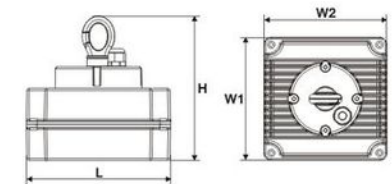


Model	L(mm)	W(mm)	H(mm)
W20A	241	126	86

Technical Data Table:

Product	W20 Supporting Ballast of Tunnel Light Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Product Size(mm)	241x126x86								
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJ40DW20	WJ60DW20	WJ80DW20	WJ100DW20	WJ120DW20	WJ150DW20	WJ200DW20	WJ250DW20	WJ300DW20

W30 Supporting Ballast of High Bay Lamp Series

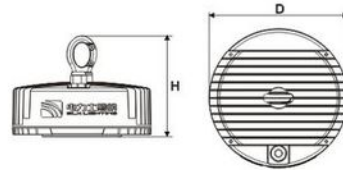


Model	L(mm)	W(mm)
W30A	170	180
W30B	212	200

Technical Data Table:

Product	W30 Supporting Ballast of High Bay Light Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Product Size(mm)	170x170x180			212x212x200					
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJ40DW30	WJ60DW30	WJ80DW30	WJ100DW30	WJ120DW30	WJ150DW30	WJ200DW30	WJ250DW30	WJ300DW30

W41 Supporting Ballast of High Bay Lamp Series

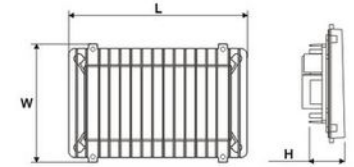


Model	D(mm)	H(mm)
W41A	210	155
W41B	250	155

Technical Data Table:

Product	W41 Supporting Ballast of High Bay Light Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Product Size(mm)	Φ210x155		Φ250x155						
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJ40DW41	WJ60DW41	WJ80DW41	WJ100DW41	WJ120DW41	WJ150DW41	WJ200DW41	WJ250DW41	WJ300DW41

W60 Supporting Ballast of Flood Lamp Series

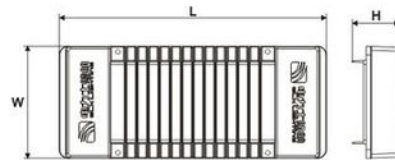


Model	L(mm)	W(mm)	H(mm)
W60A	214	142	42.5

Technical Data Table:

Product	W60 Supporting Ballast of Flood Light Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Product Size(mm)	214x142x42.5								
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJ40DW60	WJ60DW60	WJ80DW60	WJ100DW60	WJ120DW60	WJ150DW60	WJ200DW60	WJ250DW60	WJ300DW60

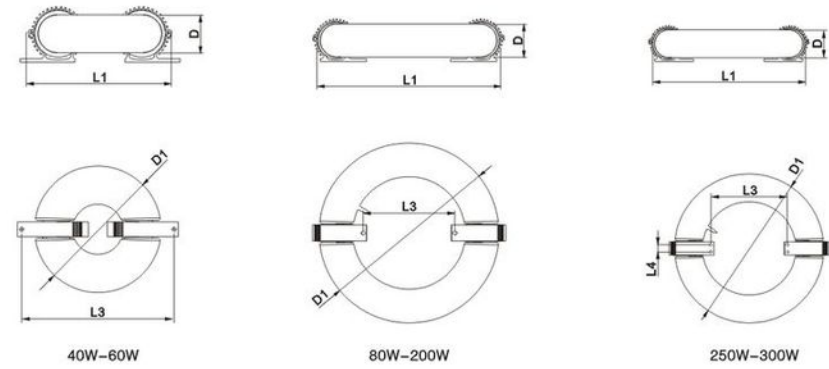
W50 Supporting Ballast of Flood Lamp Series



Model	L(mm)	W(mm)	H(mm)
W50A	310	130	54.5

Technical Data Table:

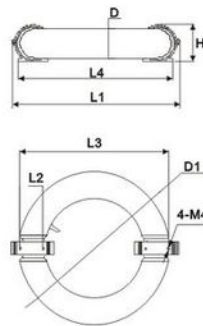
Product	W50 Supporting Ballast of Flood Light Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Product Size(mm)	310x130x54.5								
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJ40DW50	WJ60DW50	WJ80DW50	WJ100DW50	WJ120DW50	WJ150DW50	WJ200DW50	WJ250DW50	WJ300DW50



Round Induction Lamp Series

Features:

- > Long lifespan: 60,000hours, maintenance-free.
- > High lumen output: 70-90Lm/W.
- > High color rendering: ≥ 80 , more realistic color resolution.
- > Start time: instant on and instant re-strike.
- > No flickering: 200-300KHZ operation frequency, soft light and eyes protection.
- > Low luminous degradation: 2,000 hours not less than 90% maintenance, 60,000 hours not less than 70%.
- > Working environment temperature: standard tubes work at $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$, if working environment temperature reaching -40°C , ELX can design tube for it.
- > Comprehensive color temperature: 2700-6500K.



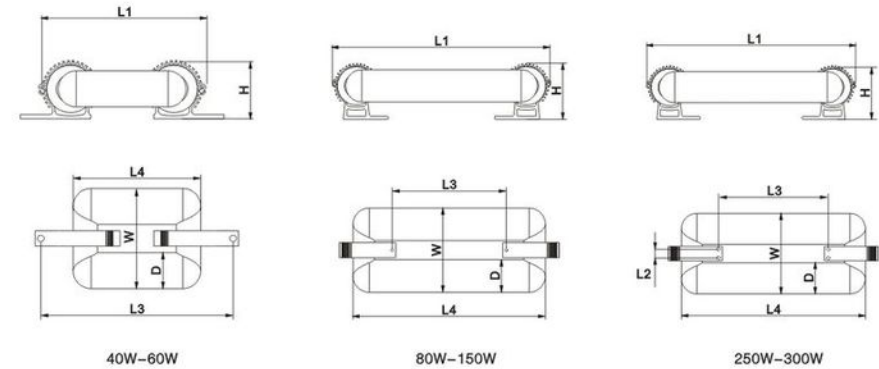
	40W	60W	80W	100W	120W	150W	200W	250W	300W
D ± 1	42	54	54	54	54	54	58	58	58
D1 ± 2	152	179	216	216	270	270	310	388	388
L1 ± 2.5	180	204	241	256	300	300	333	423	423
L2 ± 2.5	46	46	46	46	46	46	46	46	46
L3	146	163	205	272	272	272	299	380	380
L4	165	173	213	213	280	280	307	392	392
H ± 1	66	75	75	75	75	75	75	92	92

Product Size(mm) :

	40W	60W	80W	100W	120W	150W	200W	250W	300W
D ± 1	42	54	54	54	54	54	58	58	58
D1 ± 2	152	179	216	216	270	270	310	388	388
L1 ± 2.5	223	218	237	256	292	295	330	442	442
L3	213	213	64	64	125	125	158	223	223
H ± 1	70	80	70	75	75	75	75	92	92
L4	/	/	/	/	/	/	/	15	15

Technical Data Table:

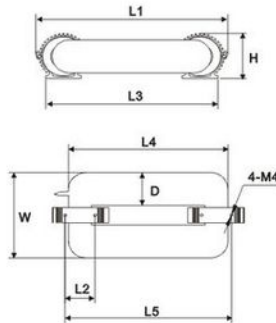
Product	Round Tube Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Luminous Flux(lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/6500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at $-25^{\circ}\text{C}\sim 50^{\circ}\text{C}$; Products can be customized for $-40^{\circ}\text{C}\sim 20^{\circ}\text{C}$.								
Product Size(mm)	/	/	/	/	/	/	/	/	/
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJY40H · RZ · W1	WJY60H · RZ · W1	WJY80H · RZ · W1	WJY100H · RZ · W1	WJY120H · RZ · W1	WJY150H · RZ · W1	WJY200H · RZ · W1	WJY250H · RZ · W1	WJY300H · RZ · W1



Rectangular Induction Lamp Series

Features:

- > Long lifespan: 60,000hours, maintenance-free.
- > High lumen output: 70-90Lm/W.
- > High color rendering: ≥ 80 , more realistic color resolution.
- > Start time: instant on and instant re-strike.
- > No flickering: 200-300KHZ operation frequency, soft light and eyes protection.
- > Low luminous degradation: 2,000 hours not less than 90% maintenance, 60,000 hours not less than 70%.
- > Working environment temperature: standard tubes work at $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$, if working environment temperature reaching -40°C , ELX can design tube for it.
- > Comprehensive color temperature: 2700-6500K.



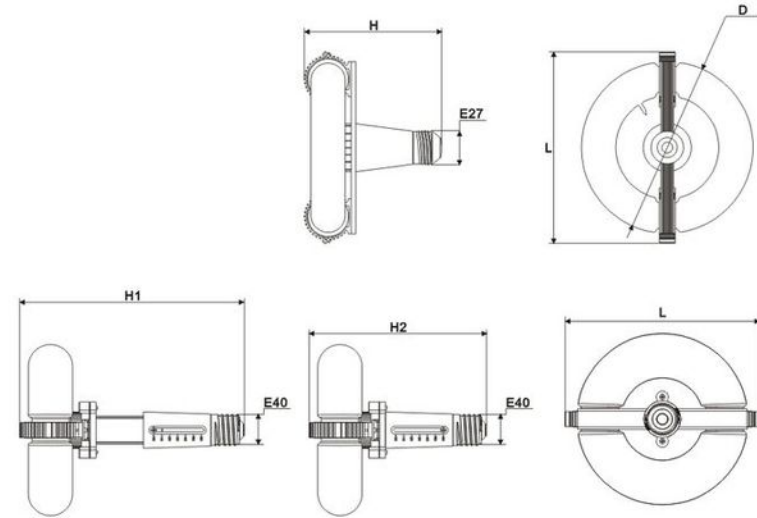
	40W	60W	80W	100W	120W	150W	200W	250W	300W
L1	195	230	295	320	367	367	447	547	547
L2	46	46	46	46	46	46	46	46	46
L3	162	200	264	283	342	342	422	515	515
L4±2.5	150	180	245	270	320	320	400	500	500
L5	164	190	255	280	335	335	415	505	505
W±2	114	140	140	140	140	140	152	156	156
D±1	41	54	54	54	54	54	58	58	58
H±1	65	76	76	76	76	76	76	92	92

Product Size(mm) :

	40W	60W	80W	100W	120W	150W	200W	250W	300W
L1	238	226	285	320	367	367	447	547	547
L2	/	/	/	/	/	/	/	15	15
L3	224	237	116	142	192	192	272	345	345
L4±2.5	150	180	245	270	320	320	400	500	500
W±2	114	140	140	140	140	140	152	156	156
D±1	41	54	54	54	54	54	58	58	58
H±1	72	80	94	94	94	94	94	100	100

Technical Data Table:

Product	Rectangular Induction Lamp Series								
Wattage(W)	40	60	80	100	120	150	200	250	300
Luminous Flux(lm)	2800	4500	6400	8000	9600	12000	16000	21250	25500
Ballast Consumption(W)	4	5	6	7.5	8.5	10	11.5	13	15
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/6500K, to be ordered for additional color temperature.								
Ambient Temperature	Standard products working at $-25^{\circ}\text{C}\sim 50^{\circ}\text{C}$; Products can be customized for $40^{\circ}\text{C}\sim 20^{\circ}\text{C}$.								
Product Size(mm)	/	/	/	/	/	/	/	/	/
Carton Size(cm)	/	/	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/	/	/
Model	WJY40J · RZ · W1	WJY60J · RZ · W1	WJY80J · RZ · W1	WJY100J · RZ · W1	WJY120J · RZ · W1	WJY150J · RZ · W1	WJY200J · RZ · W1	WJY250J · RZ · W1	WJY300J · RZ · W1



Screw Type Low Frequency Induction Lamp Serie

Features:

- > Special E27 and E40 screw holder design, easy for replacement of HID light source.
- > Extensible holder, maximum length is 284mm, easy installation.
- > Long lifespan: 60,000hours, maintenance-free.
- > High lumen output: 70-90lm/w.
- > High color rendering: ≥ 80 , more realistic color resolution.
- > Start time: instant on and instant re-strike.
- > No flicker: 200-300KHZ operation frequency, soft light and eyes protection.
- > Low light degradation: 2,000hours not less than 90% maintenance, 60,000hours not less than 70%.
- > Comprehensive color temperature: 2700-6500K.
- > Working environment temperature: standard tubes work at $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$, if working environment temperature reaching -40°C , ELX can design tube for it.

Product Size(mm) :

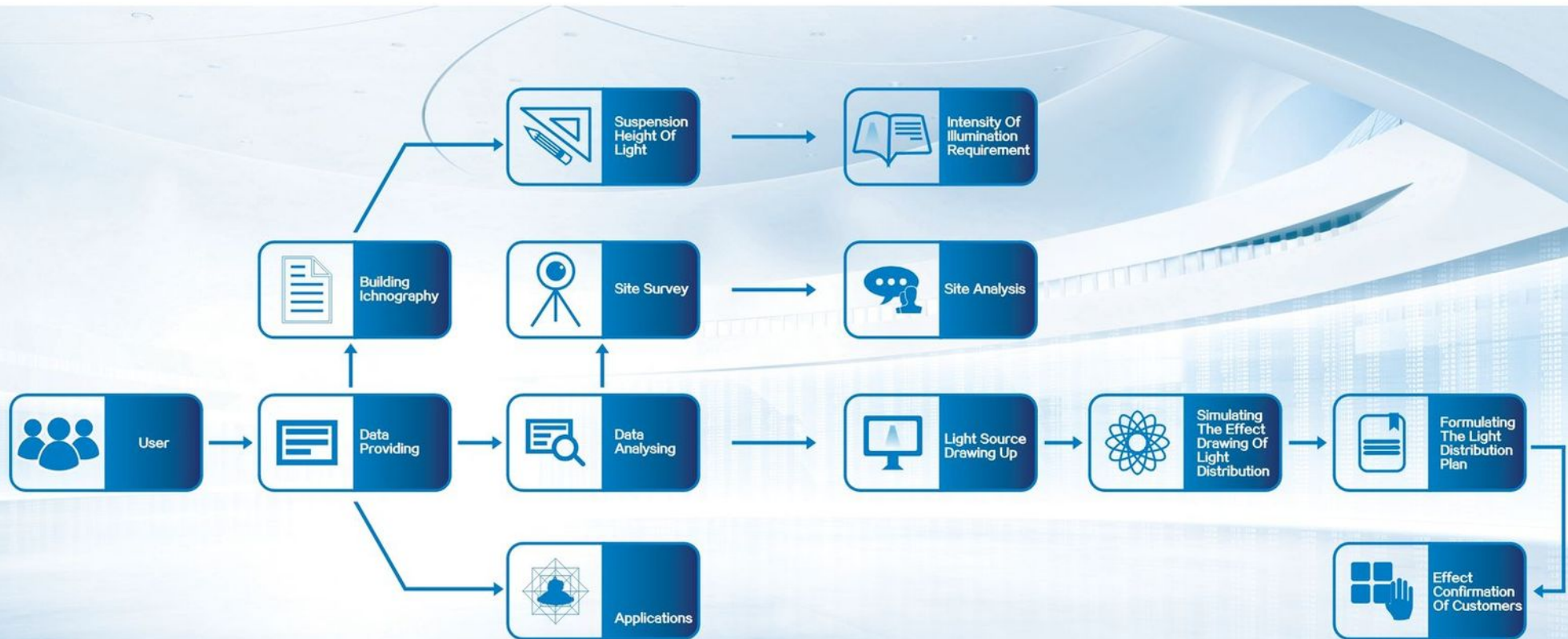
	40W	60W	80W	120W	150W	200W
L ± 2	165	205	245	292	306	338
D ± 1	150	180	216	270	270	310
H2 ± 2	155	224	224	224	224	224
H1 ± 2	-	284	284	284	284	284

Technical Data Table:

Product	Screw Type Lowfrequency Induction Light Source						
	40	60	80	100	120	150	200
Wattage(W)	40	60	80	100	120	150	200
Luminous Flux(lm)	2800	4500	6400	8000	9600	12000	16000
Color Temperature	Standard color temperature of 5000K, other conventional color temperature: 2700K/4000K/6500K, to be ordered for additional color temperature.						
Ambient Temperature	Standard products working at $-25^{\circ}\text{C} \sim 50^{\circ}\text{C}$; Products can be customized for $-40^{\circ}\text{C} \sim 20^{\circ}\text{C}$.						
Product Size(mm)	/	/	/	/	/	/	/
Carton Size(cm)	/	/	/	/	/	/	/
Net Weight(kg)	/	/	/	/	/	/	/
Gross Weight(kg)	/	/	/	/	/	/	/
Model	WJY40H · RZ · W1E27	WJY60H · RZ · W1E40	WJY80H · RZ · W1E40	WJY100H · RZ · W1E40	WJY120H · RZ · W1E40	WJY150H · RZ · W1E40	WJY200H · RZ · W1E40

PROFESSIONAL ILLUMINATION SCHEMATIC DESIGN

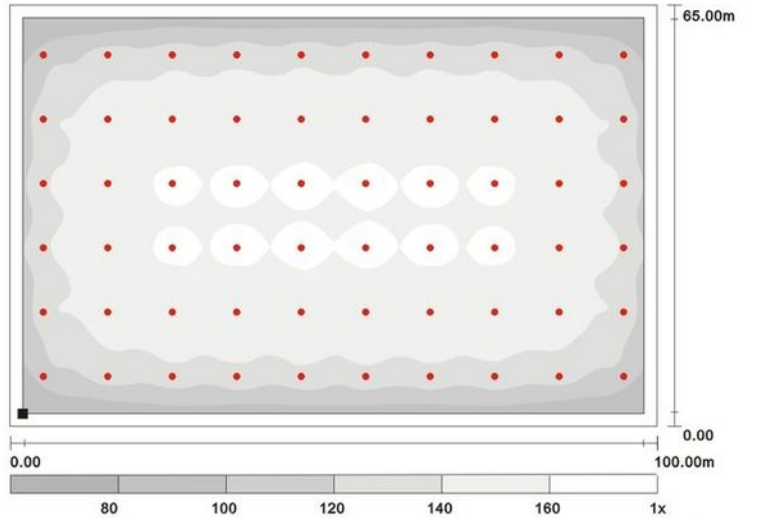
ELX provides the best custom-made design for your new projects or the alteration of original project, to analyse your requirements and actual situation, to provide the best lighting effect, the most reasonable cost and the lowest maintenance cost design for customers.



WORKSHOP LIGHTING

A workshop of a factory in Guangzhou used to have 80pcs of 400W high pressure sodium light replaced by 60pcs GDD226-WJ300/T ELX high bay lights and reaching a great effect.
 Size: Length:100m, width:65m, height:13m
 Installation height 12m

Gray Isolux Diagram:



Position of surface in the room:
 working surface with 2,000 boundary
 zone marked point:
 (2,000m,2000m,0.750m)



Grid:128x128 points

Average Illumination(lx)	Minimum Illumination(lx)	Maximum Illumination(lx)	Minimum/Average Illumination	Minimum/Maximum Illumination
140	67	166	0.476	0.402

Comparison of light sources

Comparison Items	High Pressure Sodium Lamp	ELX Induction Lamp
Lifespan	3,000 – 6,000 hours. The mercury inside the tube would change it form in the high temperature working environment, which would make its mismatching with the ballast worse and worse gradually. So lifespan of lights would be shorter.	60,000 Hours
Energy saving	Bad,high power consumption	Excellent
Anti electric circuit interference ability	Bad; voltage fluctuation would affect the output of power, the light efficiency and lifespan or cause working failure.	Having function of voltage stabilization; When voltage fluctuates, its power is stable, and strong anti-interference ability
Power factor	0.5	Over 0.95
Lumen	50lm/w	80lm/W
Light decay(%)	Severe, 40%(2000hours)	little, 5%(2000hours)
Lamp temperature	High, >300°C	Low, <80°C
Color rendering	45, bad	>80, Excellent
Warm restart	Unable	Instant start
Flicker	Yes (flicker reaching about 65%)	No
Dazzle	Yes (uncomfortable for eyes, or dizzy if severe)	No
Environmental protection	Yes waste lamp recycling problem	No waste lamp recycling, no mercury pollution

Comparison of light sources data

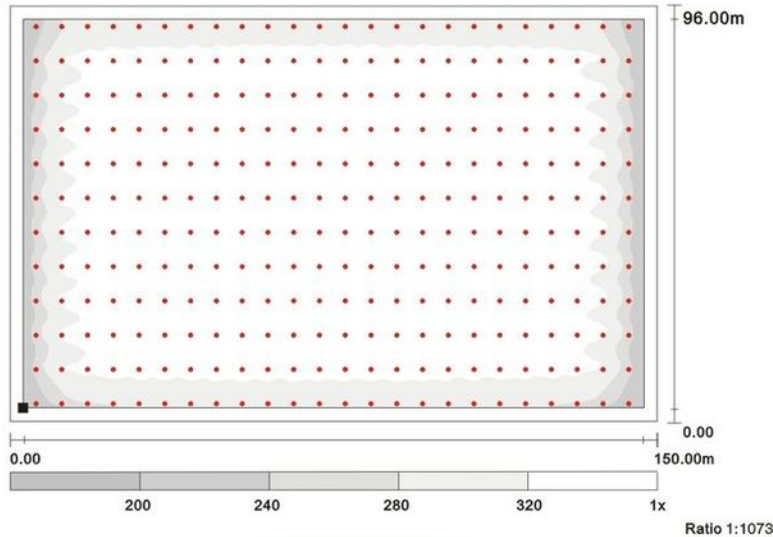
Comparison Items	High Pressure Sodium Lamp		ELX Induction Lamp	
	Model	Quantity	Model	Quantity
Light source	400W	90	GDD226-WJ300/T	60
Total power	425W		312W	
Power consumption (accumulated by 12hours per day)	425Wx12x90=459KWH/day		312Wx12x60=225KWH/day	
	459x365=167535KWH/year		225x365=82125KWH/year	
Energy saving per year	167535-82125=85410KWH/year Energy Saving 51%			
Electricity bills saving per year			85410x0.76yuan=64911.6yuan/year	
Annual maintenance fee	150x90=13500yuan/year(1 year guarantee)		0.00yuan/year(5 years guarantee)	
5 years (within guarantee) saving			64911.6*5+ 13500x4 =378558yuan	

CONCLUSION:
 Induction lighting is a surface emitting lighting, wide beam angle, excellent uniformity, with color rendering reaching 70% higher than high pressure sodium lamps. No flicker, eyes protecting, avoiding visual fatigue and reducing accidents. With voltage regulation function, even in the serious fluctuation condition, induction lamps run stable and avoid power fluctuation. Even the input voltage is lower than 160V, induction can still work, while high pressure sodium lamps would turn off. Induction lamps have much better antiinterference ability than high pressure sodium lamp. What's more, the induction lamps power factor is up to 0.95, with very little power loss compared with that of sodium lamps.

HIGH BAY LIGHTING

A factory with 150m long, 96m wide, requires 300lx lighting condition. At first, it is designed with 320pcs of 400W metal halide lights. Finally it is replaced by 288pcs 250W ELX induction lights with wonderful lighting effect.

Gray Isolux Diagram:



Position of surface in the room: working surface with 3,000 boundary zone marked point: (3,000m,3000m,0.750m)



Grid:128x128 points

Average Illumination(lx)	Minimum Illumination(lx)	Maximum Illumination(lx)	Minimum/Average Illumination	Minimum/maximum Illumination
324	166	358	0.512	0.464

Comparison of light sources

Comparison Items	Metal halide	ELX Induction Lamp
Lifespan	6,000 ~ 20,000hours. The mercury inside the tube would change it form in the high temperature working environment, which would make its mismatching with the ballast worse and worse gradually. So lifespan of lights would be shorter.	60,000 hours
Energy saving	Bad,high power consumption	Excellent
Anti electric circuit interference ability	Bad; voltage fluctuation would affect the output of power, the light efficiency and lifespan or cause working failure.	Having function of voltage stabilization; When voltage fluctuates, its power is stable, and strong anti-interference ability
Power factor	0.5 ~ 0.8	Over 0.95
Light decay(%)	Severe, 20%(2000hours)	Little, 5%(2000hours)
Lamp temperature	High, >300°C	Low, <80°C,
Color rendering	65, good	>80, excellent
Warm restart	Unable	Instant start
Flicker	Yes (Flicker reaching up to 65%)	No
Dazzle	Yes (Umcomfortable for eyes, or dizzy if severe)	No
Environmental protection	Yes waste lamp recycling problem	No waste lamp recycling, no mercury pollution

Comparison of light sources data

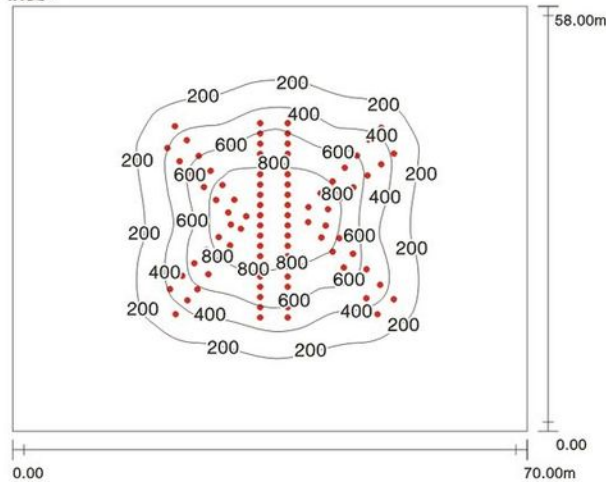
Comparison Items	Metal Halide	ELX Induction Lamp
Light source	Model	Quantity
	400W	320
Total power	425W	
	259W	
Power consumption (acculated by 12hours per day)	425Wx12x320=1632KWH/day	
	1632x365=595680KWH/year	
Energy saving per year	259Wx12x288=896KWH/day	
	896x365=327040KWH/year	
Electricity bills saving per year	595680-327040=268640KWH/year	
	Energy Saving 45%	
Annual maintenance fee	268640x0.76yuan=204166.4yuan/year	
	150x320=48000yuan/year(1 year guarantee)	
5 years (within guarantee) saving	0.00yuan/year(5 years guarantee)	
	204166.4*5+ 48000x4 = 1212830yuan	
Remarks		

CONCLUSION: Induction lighting is a surface emitting lighting, wide beam angle, excellent uniformity, with color rendering 20% better than metal halide lamps. No flicker, eyes protecting, avoiding visual fatigue and reducing accidents. With voltage regulation function, even in the serious fluctuation condition, induction lamps run stable and avoid power fluctuation. Even the input voltage is lower than 160V, induction can still work, while metal halide lamps would turn off. Induction lamps have much better antiinterference ability than metal halide lamps. What' s more, the induction lamps power factor is up to 0.95, with very little power loss compared with that of metal halide lamps.

GYMNASIUM

A Northeast University Gym with 35m long, 39m wide and 15 high and lights hanging with 10m high. It used to be 400W 112pcs metal halide and replaced by ELX GDD226WJ200/T 88pcs.

摘要:



Space height: 15.000m, Maintenance factor: 0.67 Unit: Lux, Ratio: 1: 745

Surface	p[%]	Average Illumination(lx)	Minimum Illumination(lx)	Maximum Illumination(lx)	Minimum/Average Illumination
Working surface	/	207	16	996	0.078
Floor	20	206	17	942	0.083
Ceiling floor	70	36	11	99	0.314
Wall(4)	60	28	13	75	/

Working surface
Height: 0750m
Grid: 128x128 points
Boundary:

Comparison of light sources

Comparison Items	Metal Halide	ELX Induction Lamp
Lifespan	6,000 – 20,000hours. The mercury inside the tube would Change it form in the high temperature working Environment, which would make its mismatching with the Ballast worse and worse gradually. So lifespan of lights Would be shorter.	60,000 hours
Energy saving	Bad, high power consumption	Excellent
Anti electric circuit interference ability	Bad; voltage fluctuation would affect the output of power. The light efficiency and lifespan or cause working failure.	Having function of voltage stabilization; when voltage fluctuates, its power is stable, and strong anti-interference ability.
Power factor	0.5 – 0.8	Over 0.95
Light decay(%)	Severe, 20%(2000hours)	Little, 5%(2000hours)
Lamp temperature	High, >300°C	Low, <80°C
Color rendering	65, good	>80, excellent
Warm restart	Unable	Instant start
Flicker	Yes(Flicker reaching up to 65%)	No
Dazzle	Yes (Uncomfortable for eyes, or dizzy if severe)	No
Environmental protection	Yes waste lamp recycling problem	No waste lamp recycling, no mercury pollution

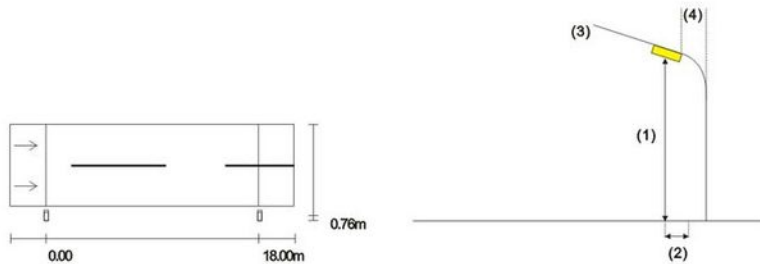
Comparison of light sources data

Comparison Items	Metal Halide		ELX Induction Lamp	
	Model	Quantity	Model	Quantity
Light source	400W	112	GDD226–WJ200/T	88
Total power	425W		205W	
Power consumption (accumulated by 12hours per day)	425Wx12x112=571KWH/day		205Wx12x88=217KWH/day	
	571x365=208415KWH/year		217x365=79205KWH/year	
Energy saving per year	208415–79205=129210KWH/year Energy Saving 62%			
Electricity bills saving per year			129210x0.76yuan=98199.6yuan/year	
Annual maintenance fee	150x112=16800yuan/year(1 year guarantee)		0.00yuan/year(5 years guarantee)	
5 years (within guarantee) saving			98199.6*5+ 16800x4 =558197.5yuan	
Remark				

CONCLUSION: Induction lighting is a surface emitting lighting, wide beam angle, excellent uniformity, with color rendering 20% better than metal halide lamps. No flicker, eyes protecting, avoiding visual fatigue and reducing accidents. With voltage regulation function, even in the serious fluctuation condition, induction lamps run stable and avoid power fluctuation. Even the input voltage is lower than 160V, induction can still work, while metal halide lamps would turn off. Induction lamps have much better antiinterference ability than metal halide lamps.

ROAD LIGHTING

In Thailand, a section of road lighting renovation project, oneway twolane, wide 7M, unilateral installation of lighting, lighting installation high in 6M, spacing 18M, use ELX induction lighting DLDL002-WJ150 to replace 250W Metal halide with same lighting effect. Elx road lights adopted electronic ballast and set to work with full power in first 6 hours and half power after, with which had a dramatical result in energy saving.



Luminaire:	GuangDong Elx Lingting Technology CO.,Ltd DLDL002 Road Luminaire	
Luminous flux(Luminaire):	91381 lm	Maximum luminous intensities
Luminous flux(Lamps):	12000 lm	at 70° 237 cd/klm
Luminaire Wattage:	160.0 W	at 80° 176 cd/klm
Arrangement:	Single row, bottom	at 90° 109 cd/klm
Pole Distance:	18.000 m	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Mounting Height(1):	6.000 m	Arrangement complies with glare index class D.6.
Height:	5.809 m	
Overhang(2):	-0.650 m	
Boom Angle(3):	30°	
Boom Length(4):	1.000 m	

Comparison of light sources

Comparison Items	High pressure sodium Lamp	ELX Induction Lamp
Lifespan	6,000 – 20,000hours, The mercury inside the tube would change it form in the high temperature working environment, which would make its mismatching with the ballast worse and worse gradually. So Lifespan of lights would be shorter.	60,000 hours
Energy saving	Bad,high power consumption	Excellent
Anti electric circuit interference ability	Bad: voltage fluctuation would affect the output of power, the light efficiency and lifespan or cause working failure.	Having function of voltage stabilization; when voltage fluctuates, its power is stable, and strong anti-interference ability
Power factor	0.5 – 0.8	Over 0.95
Light decay(%)	Severe, 20%(2000hours)	Little, 5%(2000hours)
Lamp temperature	High, >300°C,	Low, <80°C,
Color rendering	20	>80, excellent
Warm restart	Unable	Instant start
Flicker	Yes (Flicker up to 65%)	No
Dazzle	Yes (Umcomfortable for eyes, or dizzy if severe)	No
Environmental protection	Yes waste lamp recycling problem	no waste lamp recycling, no mercury pollution

Comparison of light sources data

Comparison Items	High pressure sodium Lamp		ELX Induction Lamp	
	Model	Quantity	Model	Quantity
Light source	250W	88	DLDL002-WJ150	88
Total power	275W		160W	
Power consumption (acculated by 12hours per day)	275Wx12x88=449KWH/day		(160x6+80x6)x88=127KWH/day	
	571x365=163885KWH/year		127x365=4635.50KWH/year	
Energy saving per year	163885-40515=123370KWH/year Energy Saving 71%			
Electricity bills saving per year			1175.30x0.76yuan=89322.8yuan/year	
Annual maintenance fee	150x88=13200yuan/year(1 year guarantee)		0.00yuan/year(5 years guarantee)	
5 years (within guarantee) saving			89322.8x5+13200x4=4994.14yuan	

CONCLUSION:

Induction lighting is a surface emitting lighting, wide beam angle, excellent uniformity, with color rendering 300% better than high pressure sodium lamps. No flicker, eyes protecting, avoiding visual fatigue and reducing accidents. With voltage regulation function, even in the serious fluctuation condition, induction lamps run stable and avoid power fluctuation. Even the input voltage is lower than 160V, induction can still work, while high pressure sodium lamps would turn off. Induction lamps have much better antiinterference ability than high pressure sodium lamps. From the consideration of both performance and effectiveness, induction lighting is an excellent replacement of high pressure sodium lighting

TUNNEL LIGHTING

A Guizhou tunnel renovation project

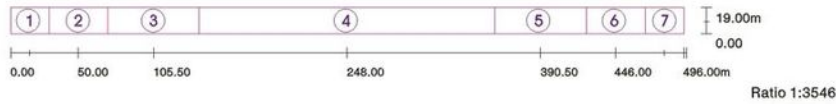
Length:496m, inside height:8m, inside width:19m

The pavement is asphalted. Cars speed:60KM/H, the design of vehicle flow: 10000 cars per day.

Twolane twoway traffic.

Application of lights: DLSD036WJ80/T 126pcs, DLSD036WJ300/T 176pcs to replace 400W high pressure sodium lamps 100pcs and 250W high pressure sodium lamps 250pcs. Average illuminance reaches GB.

Tunnel Length / Calculation of the area (result)



Items of calculation surface

NO.	Name	Category	Grid	Average illumination(lx)	Minimum illumination(lx)	Maximum illumination(lx)	Minimum/average illumination	Minimum/maximum illumination
1	Entrance Section L	Horizontal	128x64	1068	585	1359	0.548	0.431
2	The Transition Section L1	Horizontal	128x64	292	125	825	0.429	0.152
3	The Transition Section L2	Horizontal	128x64	143	44	254	0.310	0.174
4	Middle Section	Horizontal	128x64	53	23	123	0.441	0.190
5	The Transition Section R2	Horizontal	128x64	143	41	272	0.290	0.152
6	The Transition Section R1	Horizontal	128x64	294	128	825	0.437	0.155
7	Entrance Section R	Horizontal	128x64	1069	586	1360	0.548	0.431

Result

Category	Quantity	Average(lx)	Minimum(lx)	Maximum(lx)	Minimum/average illumination	Minimum/maximum illumination
Horizontal	7	234	23	1360	0.10	0.02

Comparison of light sources data

Compare Item	High Pressure Sodium Lamp		ELX Induction Lamp	
	Model	Quantity	Model	Quantity
Light Source	400W 100pcs 250W 250pcs	350	DLSD036-WJ80/T 126pcs DLSD036-WJ300/T 176pcs	302
Total power	450W+270W		315W+85W	
Power consumption	450Wx12x100+270Wx24x250=2160KWH/day		315Wx12x176+85x24x126=922KWH/day	
	2160x365=788400KWH/year		1495x365=336647KWH/year	
Energy saving per year	788400-336647=361715KWH/year energy saving reaching 57%			
Electricity bills saving per year			361715x0.76yuan=274903.4yuan/year	
Annual maintenance fee	150x350=52500yuan/year(1 year guarantee)		0.00yuan/year(5 years guarantee)	
5 years (within guarantee) saving			274903.4*5+52500x4 = 1584515yuan	
remarks				

CONCLUSION:

Induction lighting is a surface emitting lighting, wide beam angle, excellent uniformity, with color rendering 20% better than high pressure sodium lamps. No flicker, eyes protecting, avoiding visual fatigue and reducing accidents. With voltage regulation function, even in the serious fluctuation condition, induction lamps run stable and avoid power fluctuation. Even the input voltage is lower than 160V, induction can still work, while high pressure sodium lamps would turn off. Induction lamps have much better antinterference ability than high pressure sodium lamps. From the consideration of both performance and effectiveness, induction lighting is an excellent replacement of high pressure sodium lighting


Billboard

Tunnel Project
Comparison Induction Lamp with Metal Halide Lamp

Compare Items	Induction Lamp	Metal Halide Lamp
Wattage	150W	250W
Actual measured power	153W	274W
Quantity	24(PCS)	24(PCS)
Power consumption (hours)	$0.153 \times 24 = 3.67(\text{KWH})$	$0.274 \times 24 = 6.58(\text{KWH})$
Daily consumption (8 hours)	$3.67 \times 8 = 29.4(\text{KWH})$	$6.58 \times 8 = 52.6(\text{KWH})$
Annual maintenance costs	5-year warranty	2400(yuan)
Annual power consumption	$29.4 \times 365 = 10731(\text{KWH})$	$52.6 \times 365 = 19199(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$19199 \times 2.5 + 2400 - 10731 \times 2.5 = 23570(\text{yuan})$	
Summary	Measured average illumination over 250LUX, fully meet customer requirements	

Comparison Induction Lamp with High Pressure Sodium Lamp

Compare Items	Induction Lamp	High Pressure Sodium Lamp
Wattage	120W	250W
Actual measured power	123W	275W
Quantity	120(PCS)	120(PCS)
Power consumption (hours)	$0.123 \times 120 = 14.76(\text{KWH})$	$0.275 \times 120 = 33(\text{KWH})$
Daily consumption (12 hours)	$14.76 \times 12 = 177.12(\text{KWH})$	$33 \times 12 = 396(\text{KWH})$
Annual maintenance costs	5-year warranty	18000(yuan)
Annual power consumption	$177.12 \times 365 = 64648.8(\text{KWH})$	$396 \times 365 = 144540(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$144540 \times 0.8 + 18000 - 64648.8 \times 0.8 = 81913(\text{yuan})$	
Summary	The average illuminance of the induction lamp can reach more than 30LUX	



A Garden District in Jiangmen City



The Electric Vehicle Charging Station of Guangzhou Asian Games

Comparison Induction Lamp with High Pressure Sodium Lamp

Compare Items	Induction Lamp	High Pressure Sodium Lamp
Wattage	150W	250W
Actual measured power	153W	285W
Quantity	50(PCS)	50(PCS)
Power consumption (hours)	$0.153 \times 50 = 7.6(\text{KWH})$	$0.285 \times 50 = 14.3(\text{KWH})$
Daily consumption (12 hours)	$7.6 \times 12 = 91.2(\text{KWH})$	$14.3 \times 12 = 171.6(\text{KWH})$
Annual maintenance costs	5-year warranty	6000(yuan)
Annual power consumption	$91.2 \times 365 = 33288(\text{KWH})$	$171.6 \times 365 = 62634(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$62634 \times 0.8 + 6000 - 33288 \times 0.8 = 29477(\text{yuan})$	
Summary	The average illuminance of the improved induction lamp can reach more than 25LUX	

Comparison Induction Lamp with Metal Halide Lamp

Compare Items	Induction Lamp	Metal Halide Lamp
Wattage	150W	250W
Actual measured power	153W	274W
Quantity	11(PCS)	11(PCS)
Power consumption (hours)	$0.153 \times 11 = 1.68(\text{KWH})$	$0.274 \times 11 = 3(\text{KWH})$
Daily consumption (12 hours)	$1.68 \times 12 = 20(\text{KWH})$	$3 \times 12 = 36(\text{KWH})$
Annual maintenance costs	5-year warranty	1100(yuan)
Annual power consumption	$20 \times 365 = 7300(\text{KWH})$	$36 \times 365 = 13140(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$13140 \times 1.2 + 1100 - 7300 \times 1.2 = 8108(\text{yuan})$	
Summary	Measured average illumination over 250LUX, fully meet customer requirements	



A Home Furnishing Plaza in Shenzhen City



A Sports Training Field in Guangzhou

Comparison Induction Lamp with Fluorescent Tube

Compare Items	Induction Lamp	Fluorescent Tube
Wattage	80W	40W
Actual measured power	82W	43W
Quantity	40(PCS)	125(PCS)
Power consumption (hours)	$40 \times 0.082 = 3.28(\text{KWH})$	$125 \times 0.043 = 5.375(\text{KWH})$
Daily consumption (12 hours)	$3.28 \times 12 = 39.36(\text{KWH})$	$5.375 \times 12 = 64.54(\text{KWH})$
Annual maintenance costs	5-year warranty	5000(yuan)
Annual power consumption	$39.36 \times 365 = 14366(\text{KWH})$	$64.5 \times 365 = 23542(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$23542 \times 2 + 5000 - 14366 \times 2 = 23352(\text{yuan})$	
Summary	Measured average illumination over 200LUX, fully meet customer requirements	

Comparison Induction Lamp with Metal Halide Lamp

Compare Items	Induction Lamp	Metal Halide Lamp
Wattage	200W	400W
Actual measured power	204W	438W
Quantity	35(PCS)	35(PCS)
Power consumption (hours)	$0.204 \times 35 = 7.14(\text{KWH})$	$0.438 \times 35 = 15.33(\text{KWH})$
Daily consumption (6 hours)	$7.14 \times 6 = 42.8(\text{KWH})$	$15.33 \times 6 = 91.98(\text{KWH})$
Annual maintenance costs	5-year warranty	5250(yuan)
Annual power consumption	$48.2 \times 365 = 15622(\text{KWH})$	$91.98 \times 365 = 33572.7(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$33572.7 \times 2.5 + 5250 - 15622 \times 2.5 = 50126.8(\text{yuan})$	
Summary	The average illuminance of the induction lamp can reach more than 300LUX	


A Corporation in Hunan Province

A Compression Engine Factory in Guangdong Province
Comparison Induction Lamp with Metal Halide Lamp

Compare Items	Induction Lamp	Metal Halide Lamp
Wattage	150W	400W
Actual measured power	153W	445W
Quantity	500(PCS)	500(PCS)
Power consumption (hours)	$0.153 \times 500 = 76.5(\text{KWH})$	$0.445 \times 500 = 222.5(\text{KWH})$
Daily consumption (12 hours)	$76.5 \times 12 = 918(\text{KWH})$	$222.5 \times 12 = 2670(\text{KWH})$
Annual maintenance costs	5-year warranty	75000(yuan)
Annual power consumption	$918 \times 365 = 335070(\text{KWH})$	$2670 \times 365 = 974550(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$974550 \times 1.1 + 75000 - 335070 \times 1.1 = 778428(\text{yuan})$	
Summary	The average illuminance of the induction lamp can reach more than 150LUX	

Comparison Induction Lamp with High Pressure Mercury Lamp

Compare Items	Induction Lamp	High Pressure Mercury Lamp
Wattage	80W	250W
Actual measured power	82W	300W
Quantity	250(PCS)	250(PCS)
Power consumption (hours)	$0.082 \times 250 = 20.5(\text{KWH})$	$0.3 \times 250 = 75(\text{KWH})$
Daily consumption (18 hours)	$20.5 \times 18 = 369(\text{KWH})$	$75 \times 18 = 1350(\text{KWH})$
Annual maintenance costs	5-year warranty	25000(yuan)
Annual power consumption	$369 \times 365 = 134685(\text{KWH})$	$1350 \times 365 = 492750(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$492750 \times 1.35 + 25000 - 134685 \times 1.35 = 508388(\text{yuan})$	
Summary	Measured average illumination over 120LUX, fully meet customer requirements	



A Glass Factory in Guangdong Province



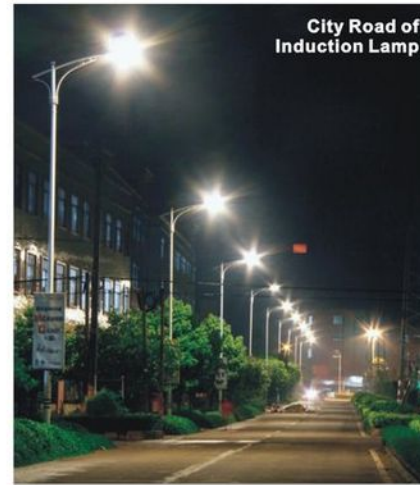
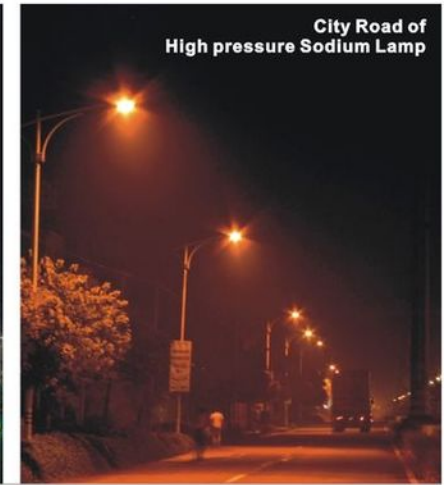
A Hardware Factory in Guizhou Province

Comparison Induction Lamp with Metal Halide Lamp

Compare Items	Induction Lamp	Metal Halide Lamp
Wattage	200W	400W
Actual measured power	204W	438W
Quantity	256(PCS)	256(PCS)
Power consumption (hours)	$0.2 \times 256 = 51(KWH)$	$0.438 \times 256 = 113(KWH)$
Daily consumption (12 hours)	$51 \times 12 = 612(KWH)$	$113 \times 12 = 1356(KWH)$
Annual maintenance costs	5-year warranty	25600(yuan)
Annual power consumption	$612 \times 365 = 223380(KWH)$	$1356 \times 365 = 494940(KWH)$
Annual cost savings(including electricity and maintenance)	$494940 \times 1.1 + 25600 - 223380 \times 1.1 = 324516(yuan)$	
Summary	Measured average illumination over 100LUX, fully meet customer requirements	

Comparison Induction Lamp with Energy Saving Lamp

Compare Items	Induction Lamp	Energy Saving Lamp
Wattage	200W	105W
Actual measured power	200W	105W
Quantity	50(PCS)	150(PCS)
Power consumption (hours)	$0.2 \times 50 = 10(KWH)$	$0.105 \times 150 = 15.75(KWH)$
Daily consumption (12 hours)	$10 \times 12 = 120(KWH)$	$15.75 \times 12 = 189(KWH)$
Annual maintenance costs	5-year warranty	10500(yuan)
Annual power consumption	$120 \times 365 = 43800(KWH)$	$189 \times 365 = 68985(KWH)$
Annual cost savings(including electricity and maintenance)	$68985 \times 0.9 + 10500 - 43800 \times 0.9 = 33166(yuan)$	
Summary	Measured average illumination over 168LUX, fully meet customer requirements	


A Workshop of a Hardware Factory in Jiangsu Province

City Road of Induction Lamp

City Road of High pressure Sodium Lamp
A Road in Jiangmen City
Comparison Induction Lamp with Energy Saving Lamp

Compare Items	Induction Lamp	Energy Saving Lamp
Wattage	80W	150W
Actual measured power	83W	153W
Quantity	50(PCS)	50(PCS)
Power consumption (hours)	$0.08 \times 50 = 4(\text{KWH})$	$0.15 \times 50 = 7.5(\text{KWH})$
Daily consumption (20 hours)	$4 \times 20 = 80(\text{KWH})$	$7.5 \times 20 = 150(\text{KWH})$
Annual maintenance costs	5-year warranty	5000(yuan)
Annual power consumption	$80 \times 365 = 29200(\text{KWH})$	$150 \times 365 = 54750(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$54750 \times 1.2 + 5000 - 29200 \times 1.2 = 35660(\text{yuan})$	
Summary	Measured average illumination over 100LUX, fully meet customer requirements	

Comparison Induction Lamp with High Pressure Sodium Lamp

Compare Items	Induction Lamp	High Pressure Sodium Lamp
Wattage	150W	250W
Actual measured power	153W	274W
Quantity	114(PCS)	114(PCS)
Power consumption (hours)	$0.153 \times 114 = 17.441(\text{KWH})$	$0.274 \times 114 = 31.24(\text{KWH})$
Daily consumption (12 hours)	$17.44 \times 12 = 209.28(\text{KWH})$	$31.24 \times 12 = 374.88(\text{KWH})$
Annual maintenance costs	5-year warranty	11400(yuan)
Annual power consumption	$209.28 \times 365 = 76387(\text{KWH})$	$374.88 \times 365 = 136831(\text{KWH})$
Annual cost savings(including electricity and maintenance)	$136831 \times 0.9 + 11400 - 76387 \times 0.9 = 65799(\text{yuan})$	
Summary	Measured average illumination over 25LUX, fully meet customer requirements	

PROJECT CASE



Donghu Park, Jiangmen City



Hunan Yunjian Group



Shenzhen Gemma Furniture Company



Sinopec Gas Station



New Industrial Company



Guoyuan Supermarket



Club Center



Huajin hardware workshop



Factories of A Listed Company In Hunan Province



City Road of Hunan Province



Tangxia Road of Jiangmen City



City Road of Gaoxin District, Jiangmen City

PROJECT CASE



Flying Badminton Hall



Sports Center



Yunjian Badminton Hall



Tunnel Project



Tunnel Project



Tunnel Project



Billboard



Billboard



Billboard



Billboard



Billboard

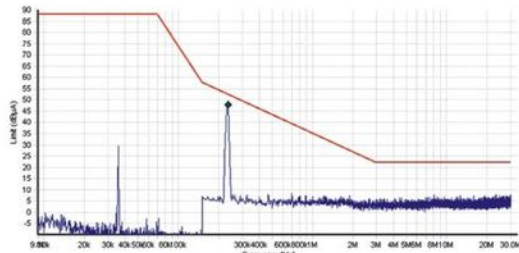


Billboard

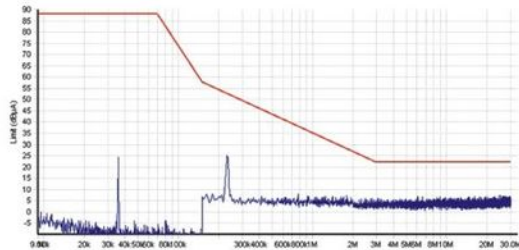
EMC Test Result



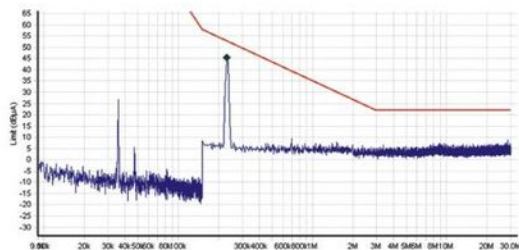
Low frequency electromagnetic radiation harassment (peak)



X-AXIS



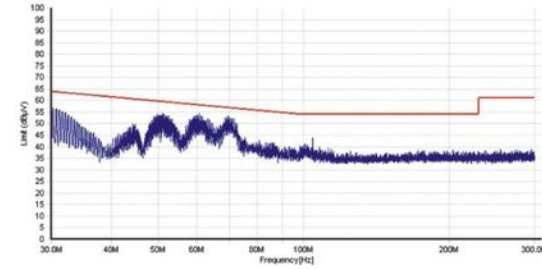
Y-AXIS



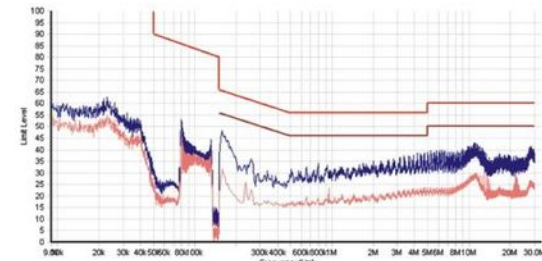
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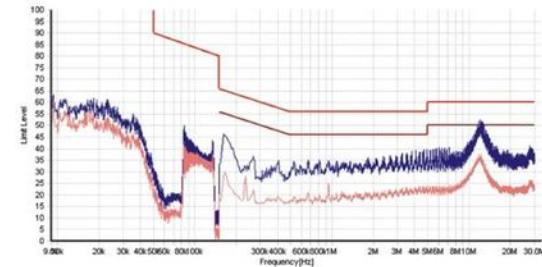
High frequency electromagnetic radiation harassment (peak)



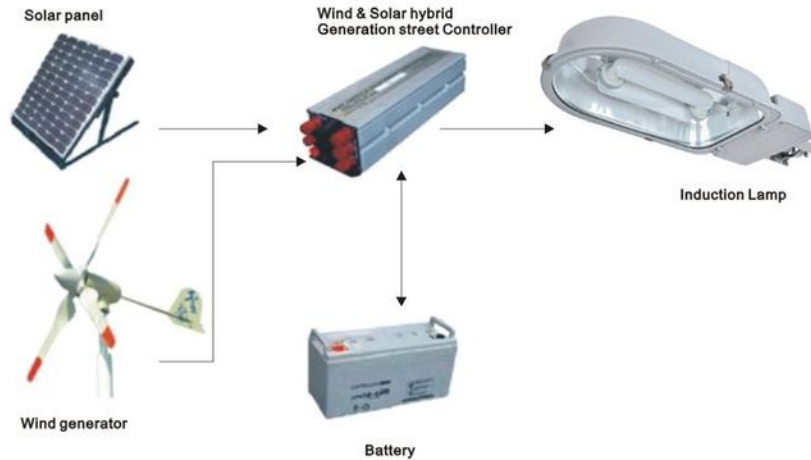
Conductivity disturbance of power supply(peak/average)



L



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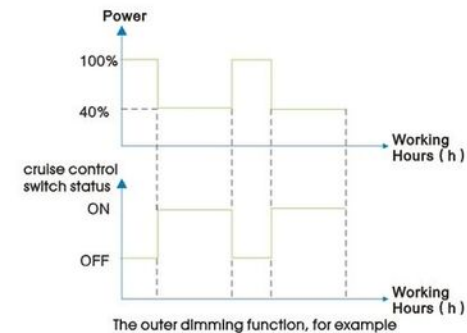
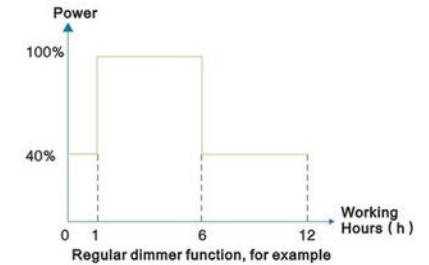
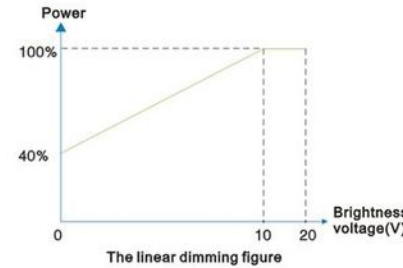


Induction dimmable ballast

ELX lighting control ballast adopts an advanced technique, applying with independent function control modules or components, including dimming module, switch module, control module, intelligent sensor, programming socket, clock management, monitoring software (bridge) and other components, which with various control functions are connected with data communication lines to be a lighting control network. This network not only can serve as a subsystem of the whole building's automatic management system access through the management system via network soft, but also can serve as a independent system working alone, more professional and flexible and it can be realized on a variety of lighting fixtures dimming control or switch control. This system is not only an effective way to achieve a comfortable lighting solution but also a means of energy saving measure.

Induction lighting system reaches 30% or more energy saving comparing with traditional lighting. With the help of light control, the fixture is fixed in the best position for best brightness value to avoid the power waste. Also it can avoid waste humanly with a time switch to turn on and off lighting at the time set by dimmer control system

- Dimmer voltage, can dim the power 100% to 40% stepless for induction lamps.
- Segment timing dimmer ballast, using single chip microcomputer program control, can switch power supply at setting time and working in half power or full power working at setting time.
- External relay or photo switch dimming, fixed light amount dimming. When the external relay breakovers, it turns into dimming state. When the relay is disconnected, the lamps work in full power.



Wind solar complementary induction lighting system

- Wind solar complementary induction lighting system has a storage battery to store energy which are the solar energy on shiny day and wind energy on windy weather. The induction lighting system works with the battery energy.
- The system applies an intelligent chip automatic control for storing energy, a on and off light transmission sensing sensor control and a timesharing segment dimmer. The operation works automatically and steadily.
- Wind solar complementary induction lighting system does not require complex or expensive pipeline laying and pollution free.
- The layout of electrical wiring is flexible and has a great advantage for the hostile environment using.
- It is good for residential areas, villas, parks, squares, rural and other public places and road lighting.



HONOR CERTIFICATE

In year of 2011, ELX as one of most competitive, highest level of professional induction lamp technology enterprises, has been elected as the vice Chairman of Chinese Induction Lamp Industry Alliance and became one of makers of China Induction Lamp Technical Standards, which is the spirit award for innovation of ELX.





THE PRINCIPLE OF INDUCTION LAMPS

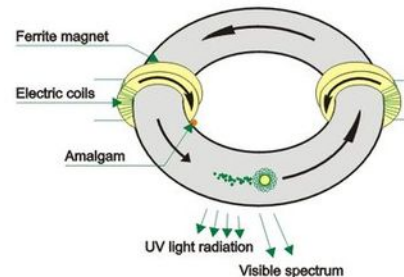
First discovered in the late 1890s by Nikola Tesla, Low Frequency Electrodeless Induction lighting technology has evolved to become the most environmentally responsible and affordable source of lighting available.

Up to 191 Visual Effective Lumens (VEL) of light per watt coupled with nearly 98% operating efficiencies makes Induction technology the superior choice to metal halide, high or low pressure sodium, quartz halogen and Light Emitting Diode (LED) systems.

1. The ballast supplies the electric coils with Low frequency electrical current.
2. The ferrite magnets on either side of the bulb then emit electromagnetic fields which excite electrons within the bulb.
3. As the electrons accelerate inside the bulb, they collide with mercury atoms and produce ultraviolet (UV) light radiation.
4. The UV light then causes the special phosphor coating inside the glass to react in a way that produces fluorescent light within the visible spectrum.

Induction bulb has no filament or electrode inside, which has no electrode loss, and achieves a long working lifespan.

The Principle of Low frequency Induction Lamps



LONG LIFESPAN



HIGH ENERGY EFFICIENCY



HIGH COLOUR RENDERING



LITTLE LUMEN DECAY



NO FLICKERING



ENVIRONMENT FRIENDLY



LOW HEAT



STABLE WORKING



SOFT LIGHT

FEATURES OF INDUCTION TECHNOLOGY

LONG LIFESPAN:

Life of lamp and ballast up to 100,000 hours.

HIGH ENERGY EFFICIENCY:

Increased lumen efficiency of up to 85Lm/W compared with average incandescent, metal halide lamps and current energy saving lamps, respectively saving up to 85%, 50%, 40%.

HIGH COLOUR RENDERING:

Induction lightings colour rendering index is rated more than 80%

LITTLE LUMEN DECAY:

2,000hours less than 5%, 20,000 hours less than 15%

NO FLICKERING:

Induction lighting is kind on your eyes with no flickering and less eye fatigue observed - operating frequency is 140KHZ to 250KHZ.

ENVIRONMENT FRIENDLY:

Mercury amalgamation technology will remain in its solid state throughout the life of the globe even if the globe is broken. With 99% coefficient of recovery makes it a real environmental friendly lighting source.

LOW HEAT:

Working surface temperature below 80 °C and low thermal sensitivity would not cause serious light decay, stability decreased or aging of reflector.

STABLE WORKING:

No matter what changes the supply voltage, the working voltage would not change, particularly suitable for places with large power fluctuations

SOFT LIGHT:

Large light emitting area, brightness scattered, less glare, avoid light pollution.

APPLICATION:

Factories, power plants, gymnasiums, shopping malls, petrol stations, tunnels, roads etc.

Comparison with Tradition Lamps

- Long lifespan: 100000 hours
- Ultra high illuminating efficiency (visible light): up to 150PLM/W, higher than other conventional lighting sources
- Excellent color rendering, comprehensive color temperature range

PICTURE	LIGHT SOURCE	LIGHT EFFECT	CORRECTION FACTOR	EFFECTIVE OPTICAL EFFICIENCY	LIFESPAN	COLOR RENDERING (RA)	COLOR TEMPERATURE	START TIME
	Incandescent bulb	15	1.26	19	1,000	100	2800	Instant
	Quartz halogen lamp	15	1.32	20	2,000-3,000	100	3000	Instant
	Ordinary fluorescent lamp	70	0.98	69	8,000	70	Gamut	Instant
	Trichromatic fluorescent lamp	90	1.58	142	10,000	80-98	Gamut	Instant
	The mercury	50	0.86	43	6,000	45	3300/4300	5-10min
	Low-pressure sodium lamp	200	0.38	76	28,000	44	1700	5-10min
	High-pressure sodium lamp	120	0.76	91	24,000	23/60/90	1950/2200/2500	5-10min
	Metal halide lamp	75-95	1.49	111-141	6,000-20,000	65-92	300/4500/5600	5-10min
	Built-in a lamp	60-70	1.62	111-129	60,000	>80	Gamut	Instant
	Electrodeless lamp	75-90	1.62	130-150	60,000-100,000	>82	Gamut	Instant

Production Process

- The production process includes tube and ballast production processes

TUBE PRODUCTION PROCESS

- 1** Blank glass tube
- 2** Cleaning process: Clean the inner wall of tube to ensure no impurities
- 3** Drying operation: Evaporate water from the inner wall of the tube
- 4** Phosphor coating process: Coat evenly over the inner wall of the tube with blent phosphor, baking dry.
- 5** Baking glass tube process: High temperature oxidation and remove impurities from phosphor coating.
- 6** Welding process: Weld in half of the tube to be a semi-finished tube by special equipment.
- 7** Anneal process: High temperature baking and annealing to eliminate stress
- 8** Install amalgam & exhaust process: Install amalgam and auxiliary amalgam and exhaust air.
- 9** Sealing process: Separate the tube away from the exhaust machine and isolate finished tube from the air.
- 10** Wrapping induction coil: According to electrical performance requirements to wrap the coil.
- 11** Fixing magnetic circling clip: Fix the magnet ring on the tube.
- 12** Finished lamp aging process: Testing and aging the finished tube for over 8 hours with corresponding ballast by professional equipment

BALLAST PRODUCTION PROCESS

- 1** Silk-screen: The solder paste printed on the substrate of ballast control panel
- 2** Paste chip: Paste the component chips on the substrate of ballast control panel
- 3** Reflow soldering: The substrate of ballast control panel passed reflow soldering machine to get components fixed firmly.
- 4** Test: To ensure the welding quality of the control panel.
- 5** Plug-ins: The discrete components plug in the substrate of ballast panel.
- 6** Wave soldering: The substrate of ballast control panel passed lead-free wave soldering machine to fix discrete components firmly.
- 7** Repair, double welding: Check the ballast control panel, repair and weld if any loose of components.
- 8** Testing: To ensure that all welding firm, test the finished board with a special test machine.
- 9** Installation: The ballast circuit board installed into the aluminum shell
- 10** Aging: Age with over 12 hours under various conditions.

LIGHTING STANDARD DATA

Lighting Standard Data For living Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
Living room	General activities	0.75mm level	100	80
	Writing & Reading	0.75mm level	300	80
Bedroom	General activities	0.75mm level	75	80
	The head of a bed, reading	0.75mm Dining-table surface	150	80
	Restaurant	0.75mm level	150	80
Kitchen	General activities	0.75mm level	100	80
	Operating station	Table-board	150	80
	Rest room	0.75mm level	100	80

Note: Appropriately uses mixed lighting

Lighting Standard Data For Commercial Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
General store business hall	0.75mm level	300	22	80
Upscale store business hall	0.75mm level	500	22	80
General supermarket business hall	0.75mm Dining-table surface	300	30	80
Upscale supermarket business hall	0.75 mmlevel	500	22	80
Checkout counter	Table-board	500	--	80

Lighting Standard Data For library Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
General reading room	0.75 mmlevel	300	19	80
National , provinces & cities and other important of the library reading room	0.75 mmlevel	500	19	80
Old age reading room	0.75mm Dining-table surface	500	19	80
Reading room for Jane's edition and books	0.75mm level	500	19	80
Showroom, directory room, cashier hall	0.75mm level	300	19	80
Stack room	0.75mm level	50	--	80

Lighting Standard Data For Office Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
Ordinary office	0.75mm level	300	19	80
High-grade office	0.75mm level	500	19	80
Meeting room	0.75mm Dining-table surface	300	19	80
The reception room, Front desk	0.75mm level	300	--	80
Design office	Actual working face	500	19	80
Data archives room	0.25mm level	200	--	80

Lighting Standard Data For Hotel Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
Customers	The head of a bed			
	General activities	0.75mm level	75	--
	The head of a bed	0.75mm level	150	--
	Writing table	table-board	300	--
	Rest room	0.75mm level	150	--
Chinese restaurant	Actual working face	200	22	80
Vestibular, reception desk	Ground	300	--	80
Guest room floor corridor	Ground	50	--	80
Laundry	Ground	200	--	80

Lighting Standard Data For School Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
Classroom	Desk surface	300	19	80
Laboratory	Laboratory desk surface	300	19	80
Art teaching classroom	Desk surface	500	19	80
Multimedia classroom	0.75mm level surface	300	19	80

Lighting Standard Data For Hospital Buildings

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
Treatment room	0.75mm level	300	19	80
Laboratory	0.75mm level	500	19	80
Operating theatre	0.75mm level	750	19	80
Clinic	0.75mm level	300	19	80
The waiting room, Registered hall	0.75mm level	200	19	80
Sickroom	Ground	100	19	80
Nurse station	0.75mm level	300	--	80
Pharmacy	0.75mm level	500	19	80
Intensive care room	0.75mm level	300	19	80

Lighting Standard Data For Exhibition Halls

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGR	Ra
General exhibition hall	Ground	200	22	80
High-grade exhibition hall	Ground	300	22	80

Lighting Standard Data For Sport Buildings

Category GRRa	Standard for Intensity of Illumination(Lx)	UGR	Ra
No color TV broadcast	50	60	
Color TV broadcast	50	60	

Note: GR data only apply to the outdoor sports venues

Industrial Buildings Illumination Standard Value Room or place reference plane and height illumination standard value (Lx) UGB Ra

Remarks: General room and places

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGB	Ra	Remarks	
Laboratory	General	0.75mm level	300	22	80	Can be added a local lighting
	Fine	0.75mm level	500	19	80	Can be added a local lighting
Inspection	General	0.75mm level	300	22	80	Can be added a local lighting
	Fine, Having color requirements	0.75mm level	750	19	80	Can be added a local lighting
Power distribution station	Measuring room, Measuring chamber	0.75mm level	500	25	80	Can be added a local lighting
	Power distribution equipment room	0.75mm level	200	19	80	Level intensity of illumination more than 100LX
	Transformer room	Ground	100	28	20	
Control room	Power setting room, generator room	Ground	200	25	80	
	General control room	0.75mm level	300	22	80	Disk intensity of illumination more than 200Lx
	Main control room	0.75mm level	300	19	80	Disk intensity of illumination more than 200Lx
	Telephone stand, network center	0.75mm level	500	19	80	
Power station	Computer stand	0.75mm level	500	19	80	Against the light curtain reflection
	The wind machine room, air conditioning room	Ground	100	28	60	
	Mercury room	Ground	100	28	60	
	Refrigeration station	Ground	150	28	60	
	Lodge air pressure station	Ground	150	25	60	Furnace water table intensity of illumination more than 50lx
Large warehouse	The gas station operation platform	Ground	100	28	40	
	General warehouse	1.0 level	50	28	20	
General warehouse	1.0 level	100	25	60	Shelves vertical illuminance more than 50Lx	

Textile, chemical fiber industry

Room or place	Reference plane and height	Standard for Intensity of Illumination(Lx)	UGB	Ra
Textile	Scouring	0.75mm level	300	22
	Clean cotton, comb hair	0.75mm level	150	22
Spinning sox	The modification, combed cotton, article well, Influential	0.75mm level	200	22
	Spinning	0.75mm level	300	22
Chemical fiber	Weaving	0.75mm level	300	22
	Heading buckle, sewing, estimate, inspection	0.75mm level	300	22
	Repair, cut hair, dyeing, printing, cutting,	0.75mm level	300	22
	Batch charging	0.75mm level	100	25
	Spinning	0.75mm level	150	22
	Winding	0.75mm level	200	22
	Balance room, centered setting, dry room, between high oil tank	0.75mm level	75	25

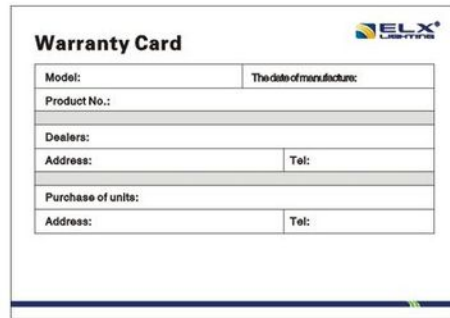
The Warranty of Product

- I .ELX induction tubes and the ballasts warranty for five years. The warranty period counts from the date of manufacture (depends on the date recorded on the lamp).
- II .During the warranty period, the rework products will be repaired by ELX company and if there is no problem with the product, the original one will be delivered back. If there are some individual components damaged and can not be repair, ELX will replace them with new ones.
- III .After the repair or replacement, the warranty period of these products will still count from the date of manufacture.
- IV .The Company is not responsible for accidental and indirect losses of the user or dealer.
- V .The situations mentioned below are NOT within the scope of after-sales warranty service:
 - 1.The electronic ballasts under these situations: has obvious deformation or signs of human disassembly, bare core, lighten or broken are not within the scope of replacement service.
 - 2.Product failure or damage caused by force majeure, unexpected factors or human-induce.
 - 3.(1)Unilaterally alter or tear up the product specifications, the sales documents or the contracts.
(2) The product once has been dismembered or structure-changed without ELX Company' s authorization.
 - 4.Product failed or damaged by wrong installation or maintenance which is not under the specification requirements.
 - 5.Beyond the warranty period.
 - 6.The final interpretation of the contents in this specification belongs to Guangdong ELX Lighting Technology Co.,Ltd.

Guangdong ELX Lighting Technology Co., Ltd.

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Notes

