



# T-LUCE EXPLOSION PROOF LED LIGHT COLLECTION

WWW.T-LUCE.COM



T·LUCE®

# About Us

T-Luce is an Italian lighting company operating in today's fast-evolving architectural lighting market.

Our team consists of seasoned professionals with over 25 years of experience in the lighting industry. Our mission is to deliver and supply innovative lighting solutions that enhance comfort and elevate the environments in which we live and work. With offices across Asia, the Middle East, and Europe, T-Luce is truly an international lighting company.

Our strength lies in our attention to detail and continuous innovation, combined with the expertise and know-how gained over decades. Driven by our passion for light, T-Luce provides high-quality architectural lighting solutions for our global clients and partners, meeting the demands of today's challenging indoor and outdoor environments.



# Application

## Gas Station



## Street Light



## Medical



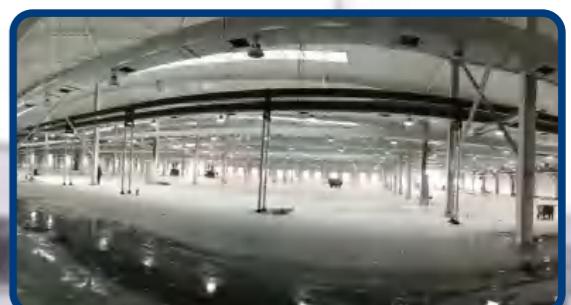
## Off Shore



## Mining



## Factory



## Oil Refinery



## Power Generation





# TL-EPL680 series

30-160W Explosion Proof Led Light



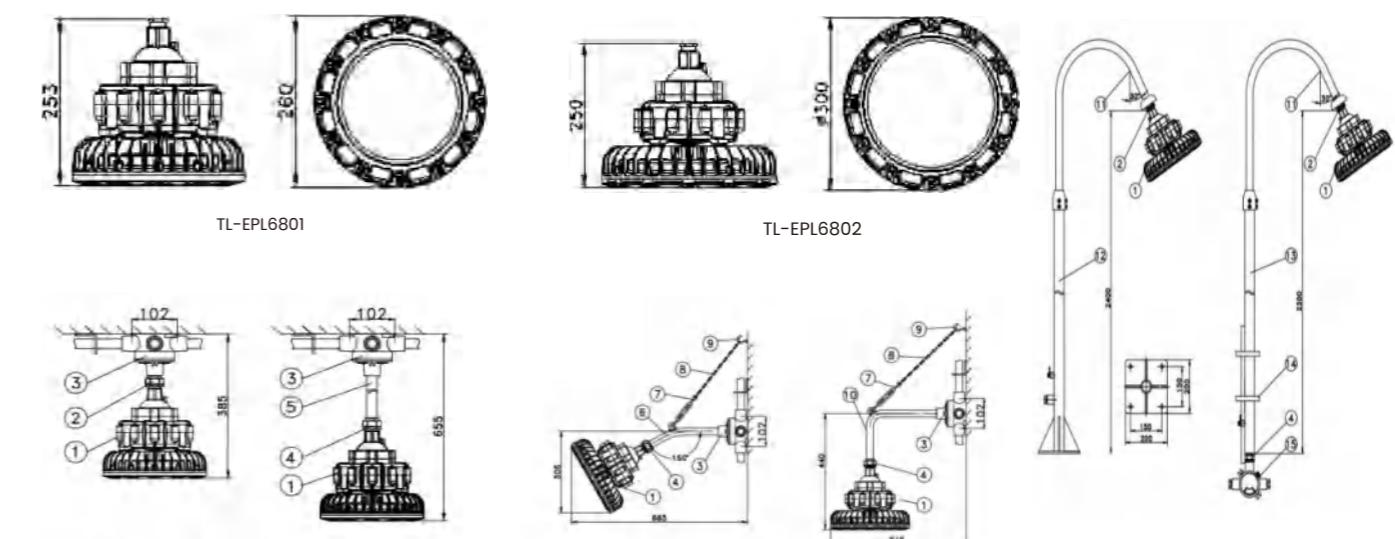
## ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Dense cooling fins design enhances airflow for greater heat dissipation
- 5 year fixture warranty

## Technical Parameters

Type	TL-EPL6801	TL-EPL6802
European (ATEX) Gas and Dust	<b>CE</b> 1282  II 2G Ex db IIC T5/T6 Gb <b>CE</b> 1282  II 2D Ex tb IIIC T95°C/T80°C Db IP66	<b>IECEx</b>
Input voltage	100-240VAC, 50-60Hz	
Power consumption [W]	20~100	120~160
Luminaire efficiency [Lm/W]	130	
Degree of protection	IP66	
Size [mm]	260*260*250	300*300*250
Weight [kg]	7.25	10
Mounting Styles	Pendant; Ceiling; Wall Bracket; Stanchion	

## Dimension & Installation [mm]





# TL-EPL720 series

30-240W Explosion Proof Led Street Light



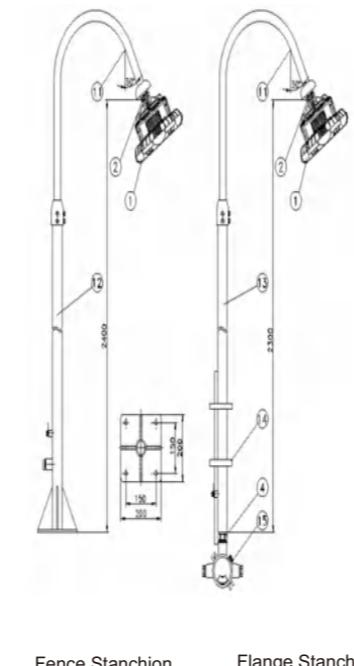
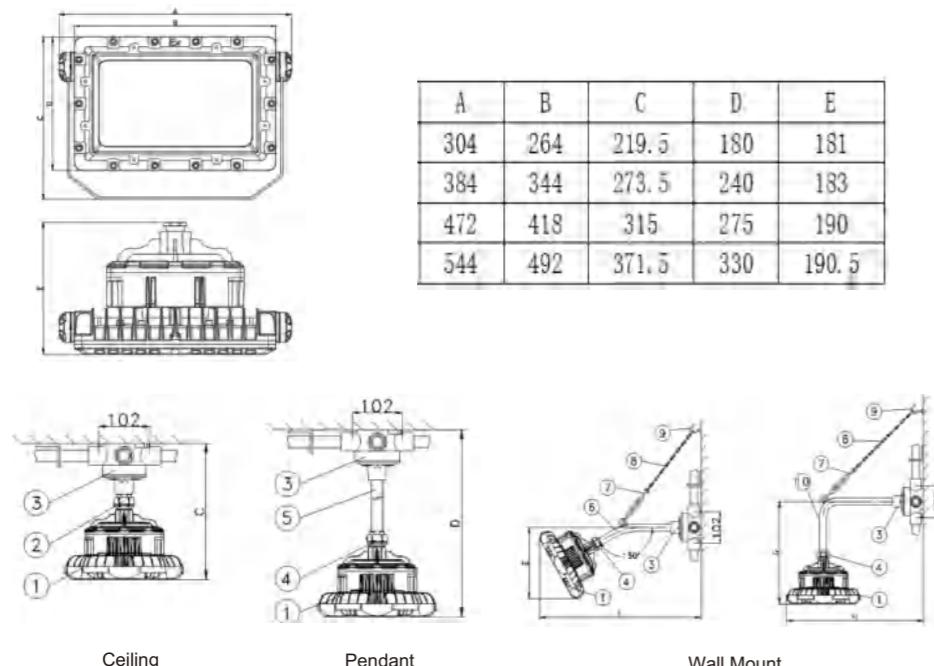
## ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High bay reflector with anti-glare performance
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Dense cooling fins design enhances airflow for greater heat dissipation
- 5 year fixture warranty

## Technical Parameters

Type	TL-EPL7201	TL-EPL7202	TL-EPL7203	TL-EPL7204
European (ATEX)				
Gas and Dust				
Input voltage	100-240VAC, 50-60Hz			
Power consumption [W]	20~80	100~120	150~200	210~240
Luminaire efficiency [Lm/W]	130			
Degree of protection	IP66			
Size [mm]	304*180*181	384*240*183	472*275*190	544*330*190
Weight [kg]	5.5	8.85	12.2	15.5
Mounting Styles	Pendant; Ceiling; Wall Bracket;Stanchion			

## Dimension & Installation [mm]



# TL-EPL980 series

50-200W Explosion Proof Led Light



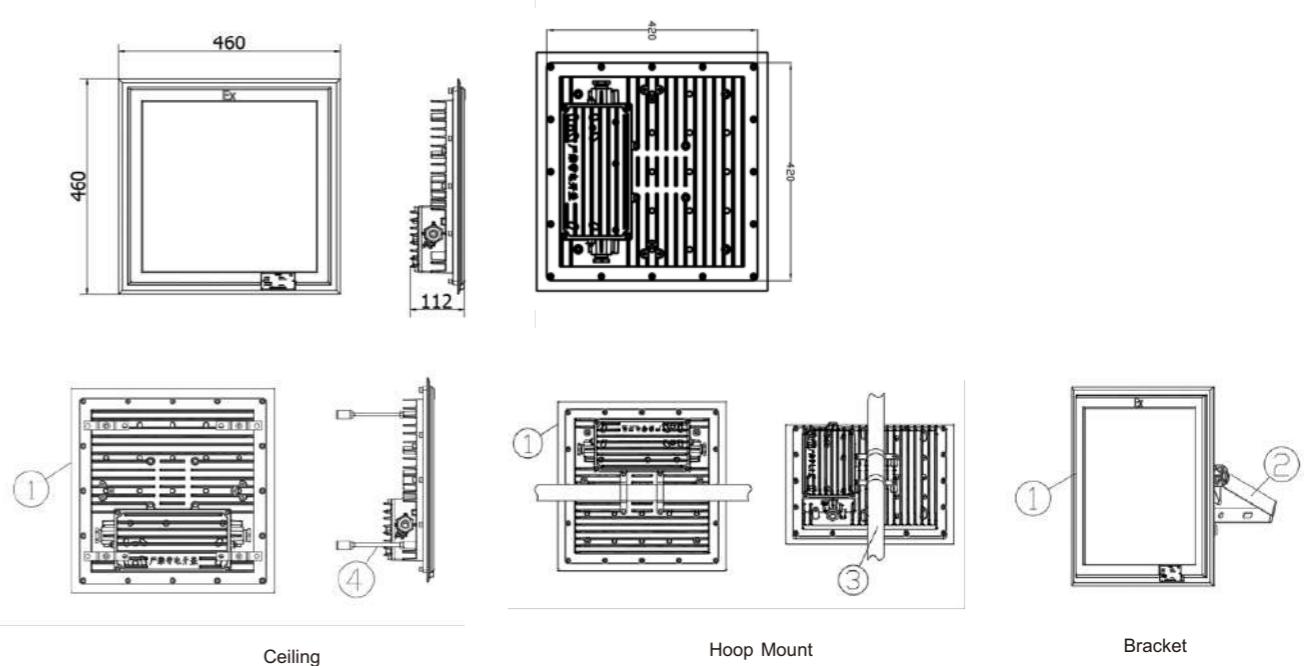
## ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High bay reflector with anti-glare performance
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Dense cooling fins design enhances airflow for greater heat dissipation
- 3 year fixture warranty

## Technical Parameters

Type	TL-EPL980
European (ATEX)	
Gas and Dust	
Input voltage	100-240VAC, 50-60Hz
Power consumption [W]	50~200W
Luminaire efficiency [Lm/W]	130
Degree of protection	IP66
Size [mm]	460x460mm
Mounting Styles	Ceiling; Wall Bracket;Hoop type

## Dimension & Installation [mm]



# TL-EPL970L series

30-240W Explosion Proof Led Street Light



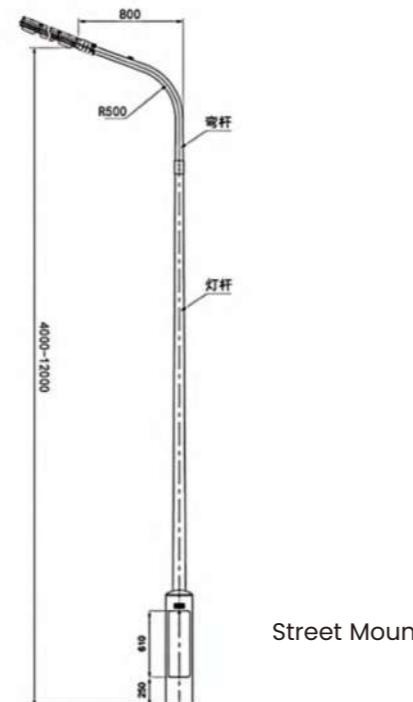
## ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High bay reflector with anti-glare performance
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Dense cooling fins design enhances airflow for greater heat dissipation
- 5 year fixture warranty

## Technical Parameters

Type	TL-EPL9701L	TL-EPL9702L	TL-EPL9703L	TL-EPL9704L
European (ATEX)	CE 1282 Ex II 2G Ex db eb IIC T6 Gb			
Gas and Dust	CE 1282 Ex II 2D Ex tb IIIC T80°C Db IP66			
Input voltage	100-240VAC, 50-60Hz			
Power consumption [W]	20~70	80~120	150~200	210~240
Luminaire efficiency [Lm/W]	130			
Degree of protection	IP66			
Size [mm]	560*180	635*275	730*240	820*300
Weight [kg]	7.2	9.8	12.3	16.6
Mounting Styles	Street			

## Dimension & Installation [mm]



# TL-EPL950 series

12-120W Explosion Proof Led Light



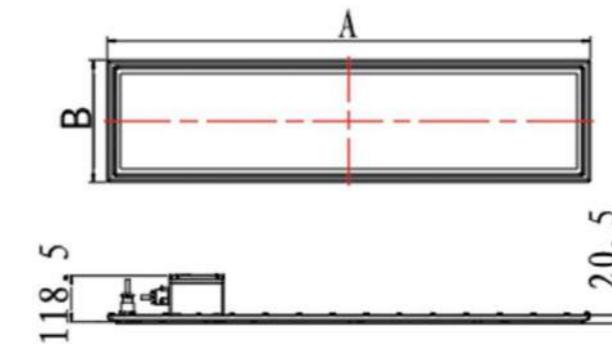
## ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High bay reflector with anti-glare performance
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Dense cooling fins design enhances airflow for greater heat dissipation
- 3 year fixture warranty

## Technical Parameters

Type	TL-EPL9501	TL-EPL9502	TL-EPL9503	TL-EPL9504
European (ATEX)	CE 1282 Ex II 2G Ex db eb IIC T6 Gb			
Gas and Dust	CE 1282 Ex II 2D Ex tb IIIC T80°C Db IP66			
Input voltage	100-240VAC, 50-60Hz			
Power consumption [W]	12	24	48	120
Luminaire efficiency [Lm/W]	100-110			
Degree of protection	IP66			
Size [mm]	325*325	625*325	625*625	1225*325
Mounting Styles	Ceiling, Embedded			

## Dimension & Installation [mm]



A	B
325	325
625	325
625	625
1225	325

# Flashlight series

Explosion Proof Flashlight



## Technical Parameters

Type	TL-EPFL7623	TL-EPFL7210	TL-EPFL7101
European (ATEX)	CE 1282 Ex II 2G Ex d e IIC		
IP rate	IP66	IP66	IP68
Light source	Led	Led	Led
Power consumption	1*3W	1*3W	3*3W
Work Voltage [V]	3.7	7.4	11.1
Rated capacity [mAh]	2200	2200	4400
Charging time [h]	4~5	4~5	4~5
Battery life [circle]	1000		
Work Mode	Work, Strong	Work, Strong, Flash	Work, Strong, Flash
Discharging time [h]	≥16	≥16	≥19
	≥8	≥8	≥9
Size [mm]	(Head:35)26*148	(Head:40) 26*208	69*162
Weight [g]	310	300	1300

## ■ Features:

- Zone 1&2, Zone 21&22
- High hardness aluminum alloy shell, surface sandblasted anodized, beautiful appearance
- Lithium-ion battery, no memory, large capacity, long life, stable performance, low self-discharge rate
- Bright light, working light, stroboscopic three modes adjustable
- LED light source for long life
- Good sealing performance with waterproof and dustproof function
- Small size and light weight, easy to carry.

# Worklight series

Explosion Proof Work Light



## Technical Parameters

Type	TL-EPWL814	TL-EPWL630
European (ATEX)	CE 1282 Ex II 2G Ex d IIC	
Rated Voltage	24VDC	220VAC
IP rate	IP65	IP65
Light source	LED	HID
Power consumption	10*3W	4*500W
Rated capacity [mAh]	20000	2000W/15L Motor Generator
Charging time [h]	16	/
Discharging time/Working time [h]	30	13

## ■ Features:

- Zone 1&2, Zone 21&22
- Die cast aluminum housing with epoxy coated for beautiful appearance;
- The lighting angle can be adjusted by 120 degrees. The bottom of the light box is equipped with easy-to-move wheels.
- Lamp head can be adjusted up and down, 360° rotation, full range of lighting
- Use an air pump or manual valve to control the lift
- The bottom of the generator set is equipped with universal wheels, which can be run on the pavement and railroad tracks of the pit. Small size and light weight, easy to carry.

# TL-EPPY series

Explosion Proof Linear Light



## ■ Features:

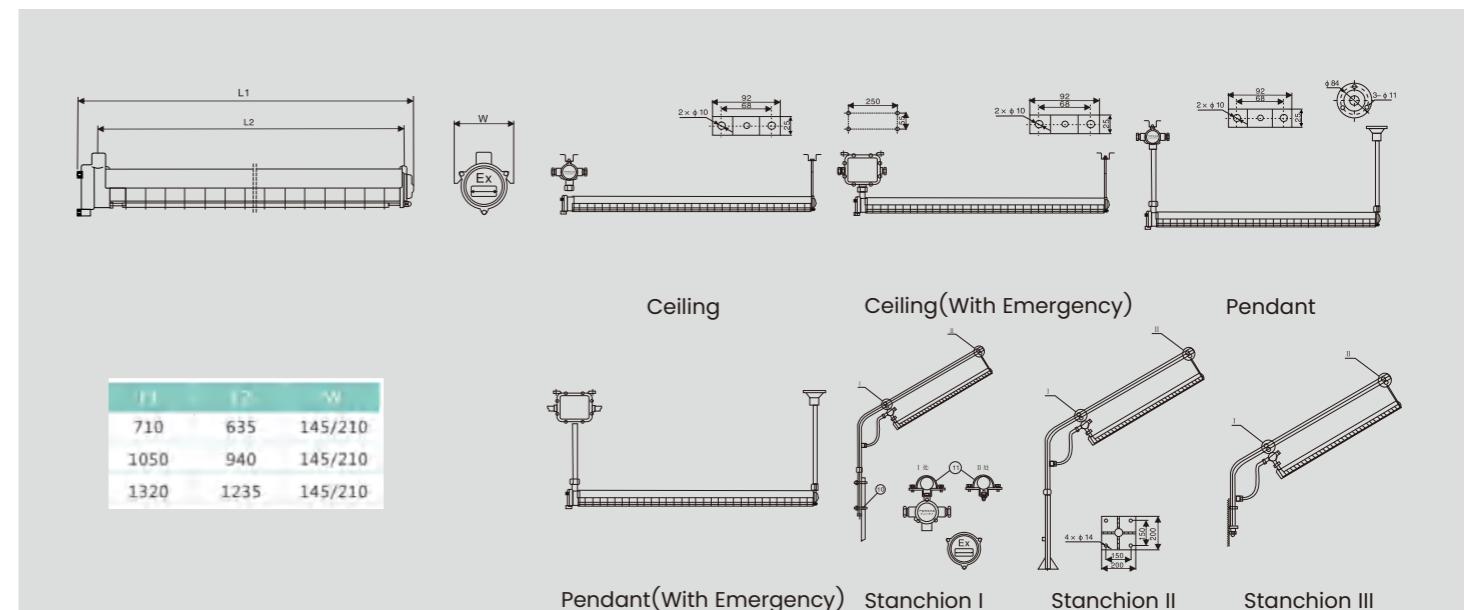
- Zone 1&2, Zone 21&22
- Die casting aluminum shell, with high voltage electrostatic plastic-spray surface.
- Easy to change the tube, just remove the end cover to change.
- Glass lamp shade, stainless steel exposed fastener.
- Steel pipe wiring or cable wiring.

## Technical Parameters

European (ATEX)	CE 1282 Ex II 2G Ex de IIC T6Gb
Input voltage	220VAC, 50-60Hz
Degree of protection	IP66
Mounting Styles	Pendant; Ceiling; Stanchion

Type	TL-EPPY-600 (Single/Double)	TL-EPPY-900 (Single/Double)	TL-EPPY-1200 (Single/Double)
LED tube	(1~2)*8Watt	(1~2)*12Watt	(1~2)*18Watt
Size	L710*W145 For Single L710*W210 For Double	L1050* W145 For Single L1050* W210 For Double	L1350* W145 For Single L1350* W210 For Double

## Dimension & Installation [mm]



# TL-EPHY series

Explosion Proof Linear Light



## ■ Features:

- Zone 2 & Zone 22
- SMC mold pressure shell, high strength, impact resistance, corrosion proof
- Lampshade is formed by polycarbonate injection molding, high transmittance, strong ability to withstand shocks
- Lightweight and slim line construction

## Technical Parameters

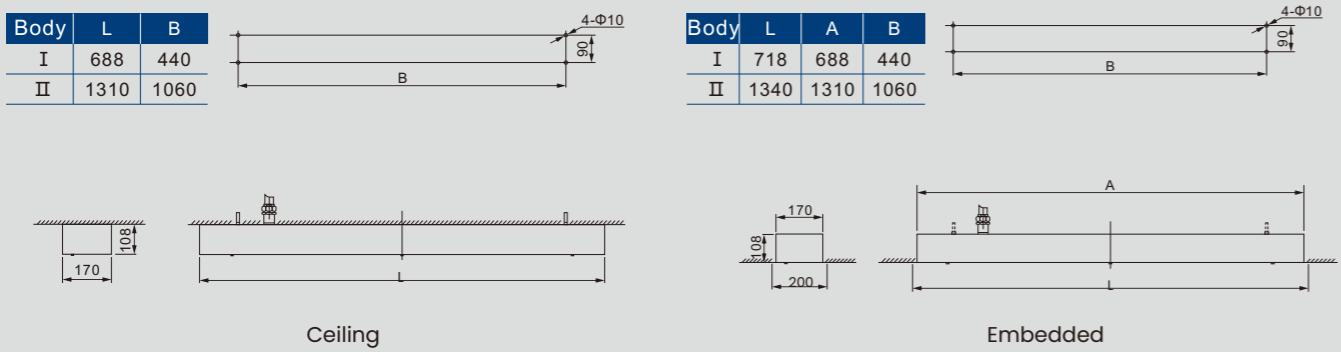
European (ATEX)	CE 1282 Ex II 2G Ex d e IIC T6 Gb
Input voltage	220VAC, 50-60Hz
Degree of protection	IP66

Type	TL-EPHY-I-600	TL-EPHY-I-1200
T8 Fluorescent tube	(1~3)*18Watt	(1~3)*36Watt
T5 Fluorescent tube	/	/
LED tube	(1~3)*8Watt	(1~3)*16Watt
Size for Ceiling mount	L770*W235*H140	L1370*W235*H140
Size for Ceiling mount	L770*W225*H115	L1370*W225*H115
Mounting Styles	Ceiling; Embedded	

Type	TL-EPHY-II-1200-3tube	TL-EPHY-II-1200-4tube
T8 Fluorescent tube	3*36Watt	4*36Watt
T5 Fluorescent tube	/	/
LED tube	3*16Watt	4*16Watt
Size	L1500*W325*H65	L1500*W450*H65
Mounting Styles	Embedded	

Type	TL-EPHY-III-600
T8 tube	3*8W
Size	L700*W700*H90
Mounting Styles	Embedded

## Dimension & Installation [mm]



# TL-EPYS series

Explosion Proof Linear Light



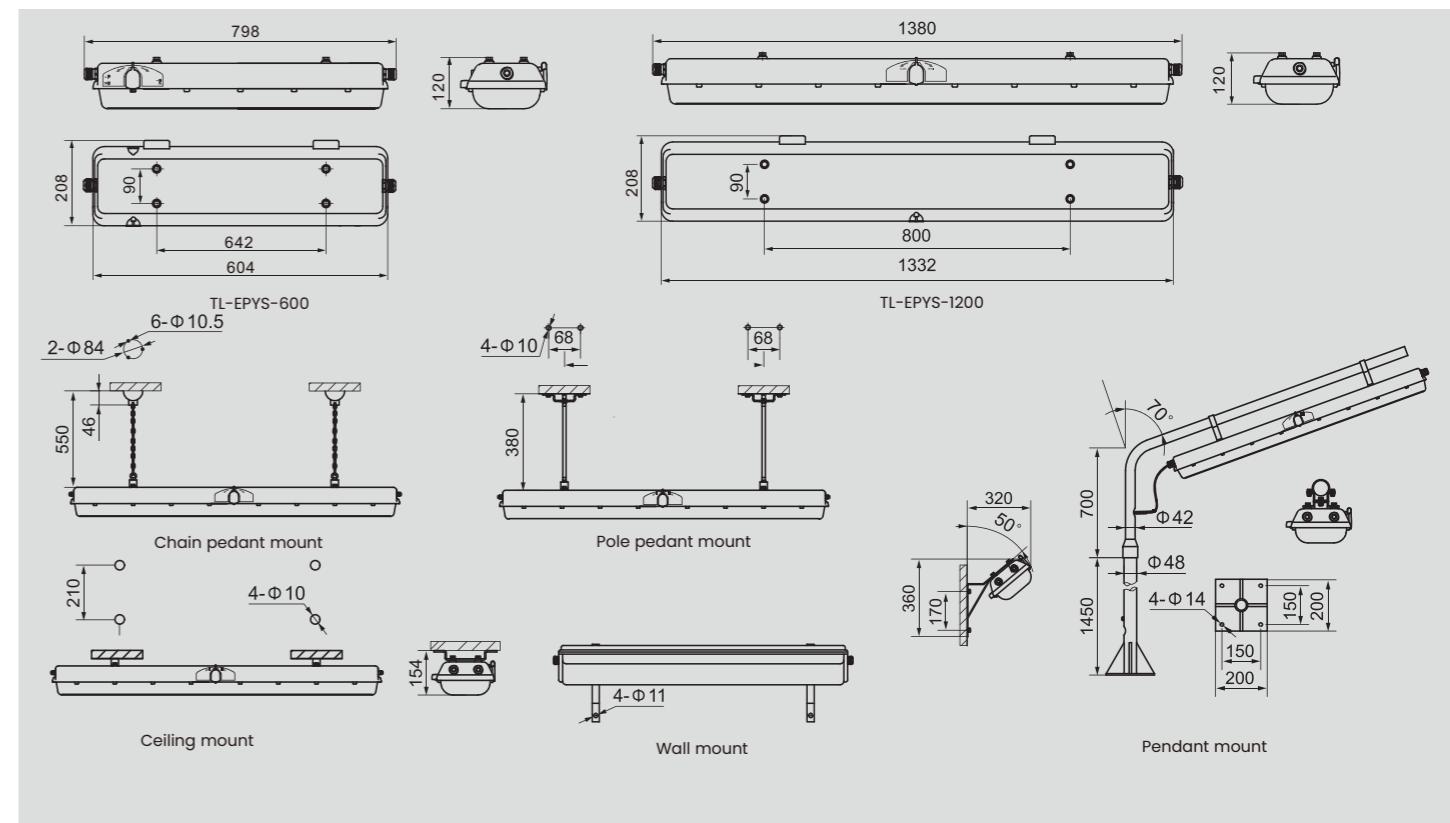
## ■ Features:

- Zone 1&2, Zone 21&22
- GRP enclosure, corrosion-proof, PC lampshade, strip-shaped, anti-glare
- Built-in explosion proof interlock device, automatically power-off after cover open
- Lamp adopt curve sealed structure, high waterproof and dust proof class
- Lightweight and slim line construction
- The emergency device can be equipped at the request of users

## Technical Parameters

Type	TL-EPYS-600	TL-EPYS-1200
European (ATEX)	CE 1282 Ex II 2G Ex de IIC T6	
Input voltage	220VAC, 50-60Hz	
T8 Fluorescent tube	(1~3)*18Watt	(1~3)*36Watt
LED tube	(1~3)*8Watt	(1~3)*18Watt
Degree of protection	IP66	
Size	L798* W208*H120	L1380* W208*H120
Mounting Styles	Pendant; Ceiling; Wall; Stanchion	

## Dimension & Installation [mm]



# TL-EPL93 series

20-60W Explosion Proof Led Street Light



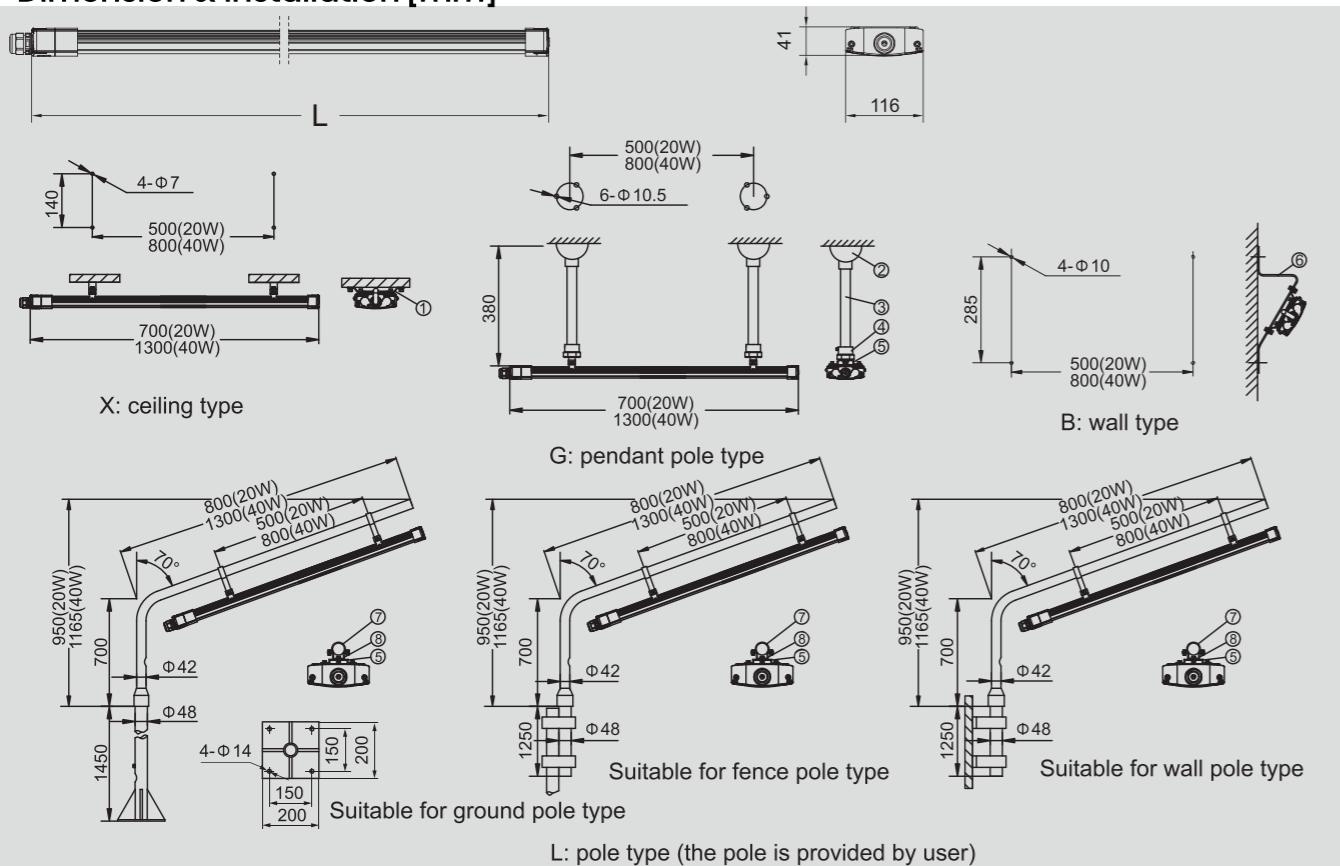
## ■ Features:

- Zone 2, Zone 21&22
- Instant on crisp white light output
- Built-in LED driver, CC-CV (constant current-constant voltage) output, power factor--0.95.
- Main enclosure is extruding formed of copper-free aluminum, anodic-oxidation treatment for surface. Both ends of enclosure are die-casting formed of copper-free aluminum, powder coated surface

## Technical Parameters

Type	TL-EPL93-1	TL-EPL93-2	TL-EPL93-3
European (ATEX)	CE 1282  II 3G Ex nR IIC Gc		
Gas and Dust	CE 1282  II 2D Ex tb IIIC T80°C Db IP66		
Input voltage	220VAC, 50-60Hz		
Power consumption [W]	20	40	60
Luminaire efficiency [Lm/W]	95		
Degree of protection	IP66		
Size	650*120*35	1300*116*40	1300*116*45
Weight	1.62	3	4
Mounting Styles	Pendant; Ceiling; Wall; Stanchion		

## Dimension & Installation [mm]



# TL-EPL930 series

40-80W Explosion Proof Led Light



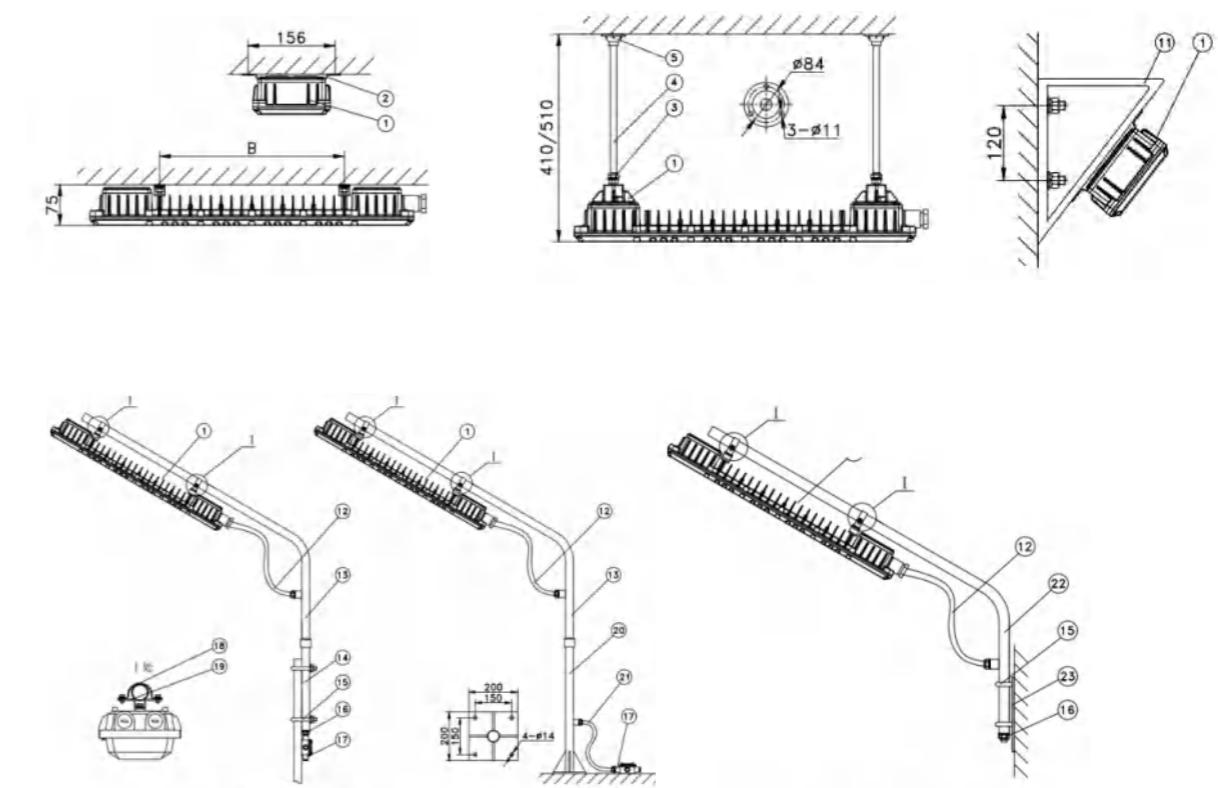
## ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Dense cooling fins design enhances airflow for greater heat dissipation
- 5 year fixture warranty

## Technical Parameters

Type	TL-EPL9301	TL-EPL9302	TL-EPL9303
European (ATEX)	CE 1282  II 3G Ex nRemb IIC Gc		
Gas and Dust	CE 1282  II 2D Ex tb Db IP66		
Input voltage	220VAC, 50-60Hz		
Power consumption [W]	40	60	80
Luminaire efficiency [Lm/W]	120-130		
Degree of protection	IP66		
Size	400	600	900
Weight	3.8	6	8.5
Mounting Styles	Pendant; Ceiling; Wall; Stanchion		

## Dimension & Installation [mm]



# TL-EPCD series

70-400W Explosion Proof HID Light



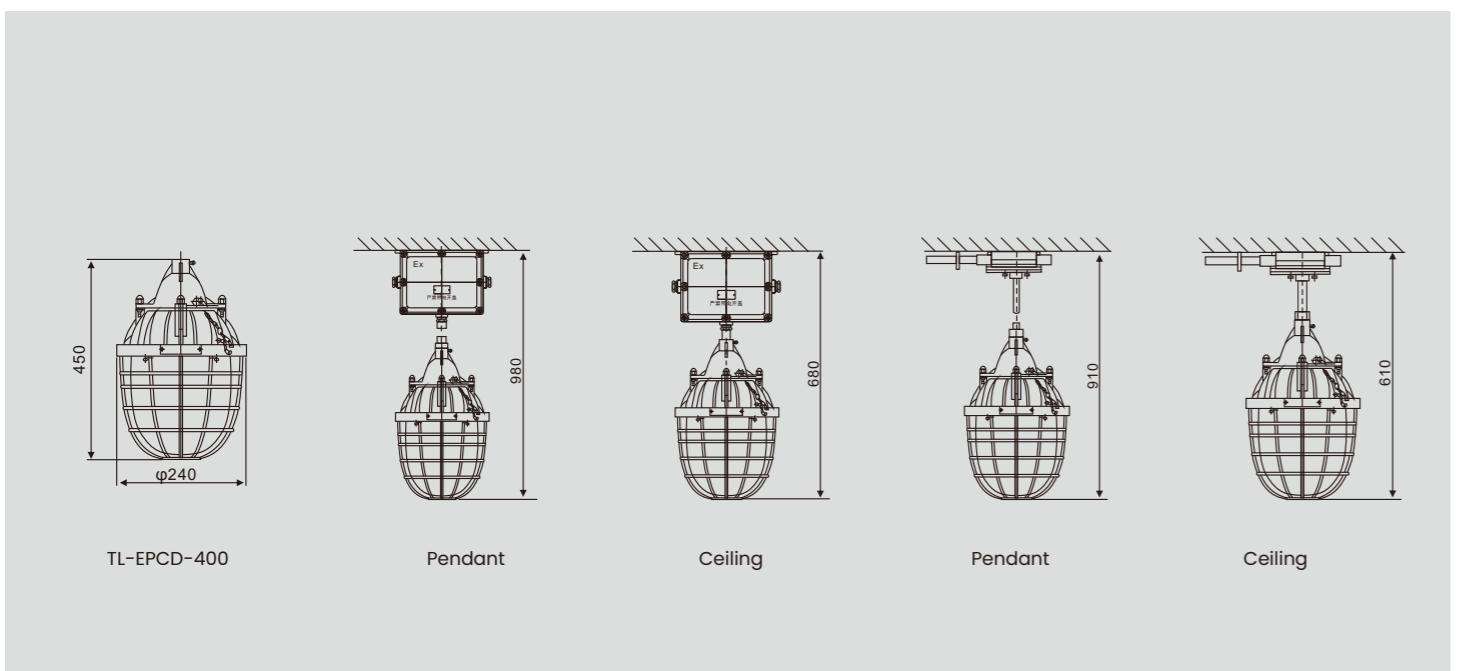
## ■ Features:

- Zone 1&2, Zone 21&22
- Housing is made of die-cast aluminum, with epoxy sprayed
- Tempered glass shade, stainless steel exposed fasteners, with galvanized and epoxy coated guard
- Rotary opening, easy installation and maintenance
- Optional lamp shade

## Technical Parameters

Type	TL-EPCD-100	TL-EPCD-200	TL-EPCD-200B	TL-EPCD250	TL-EPCD-400
European (ATEX)	CE 1282 Ex II 2G Ex d IIC T6 Gb	CE 1282 Ex II 2D Ex tb Db			
Gas and Dust					
Input voltage	220VAC, 50-60Hz				
Degree of protection	IP66				
Lamp holder	E27	E27	E27	E40	E40
Metal Halide Lamp	/	70/100/150/175W	70/100/150/175W	250W	400W
High Pressure Sodium Lamp	/	70/100/110/150W	70/100/110/150W	250W	400W
High Pressure Mercury Lamp	/	80/125/160W	80/125/160W	175/250W	400/450W
Energy Saving Bulb	15W	36W	36W	105W	150W
LED Bulb	8W	15W	15W	36W	/
Weight	1.4kg	2.0kg	2.87kg	3.78kg	6.3kg
Mounting Styles	Pendant; Ceiling; Wall Bracket; Stanchion				

## Dimension & Installation [mm]



# TL-EPCJ series

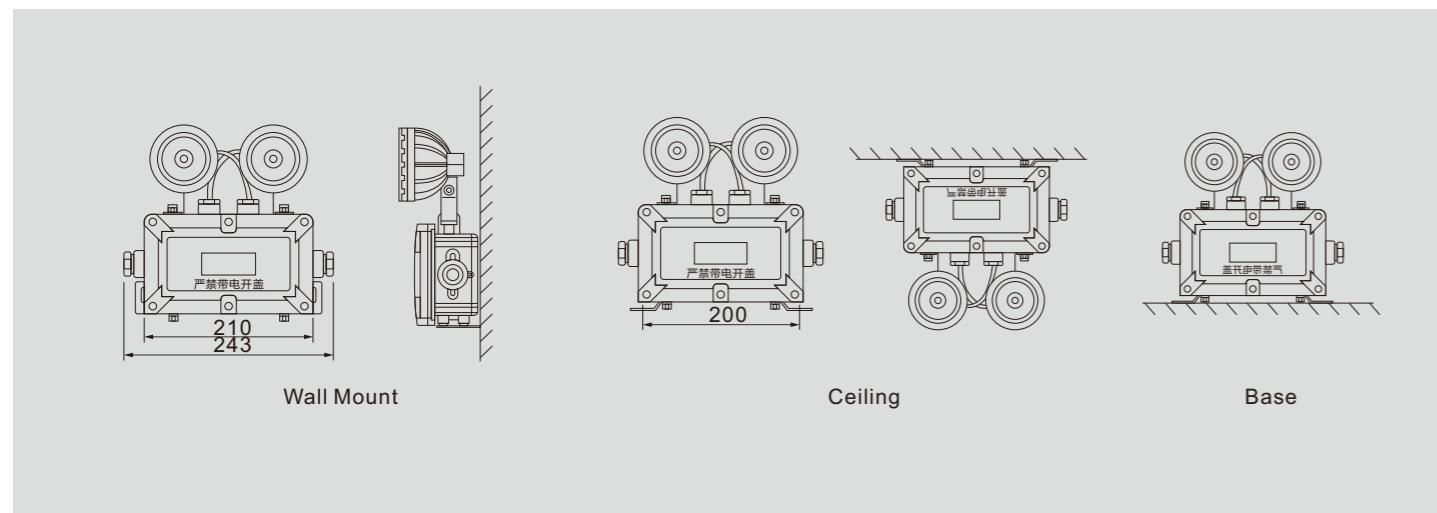
Explosion Proof Emergency Light



## Technical Parameters

Type	TL-EPCJ
European (ATEX)	CE 1282 Ex II 2G Ex d e IIC Gb
Gas and Dust	CE 1282 Ex II 2D Ex tb Db
IP Degree	IP66
Input voltage	220VAC, 50-60Hz
Power consumption [W]	2*3
Back-up Battery	>120min
Entries	G 3/4" (suitable for $\phi$ 10mm- $\phi$ 14mm cable); NPT3/4" is optional
Size [mm]	243*570*55
Weight [kg]	2.6
Mounting Styles	Ceiling; Wall; Base Mount

## Dimension & Installation [mm]



# TL-EPYS series

Explosion Proof Exit Sign



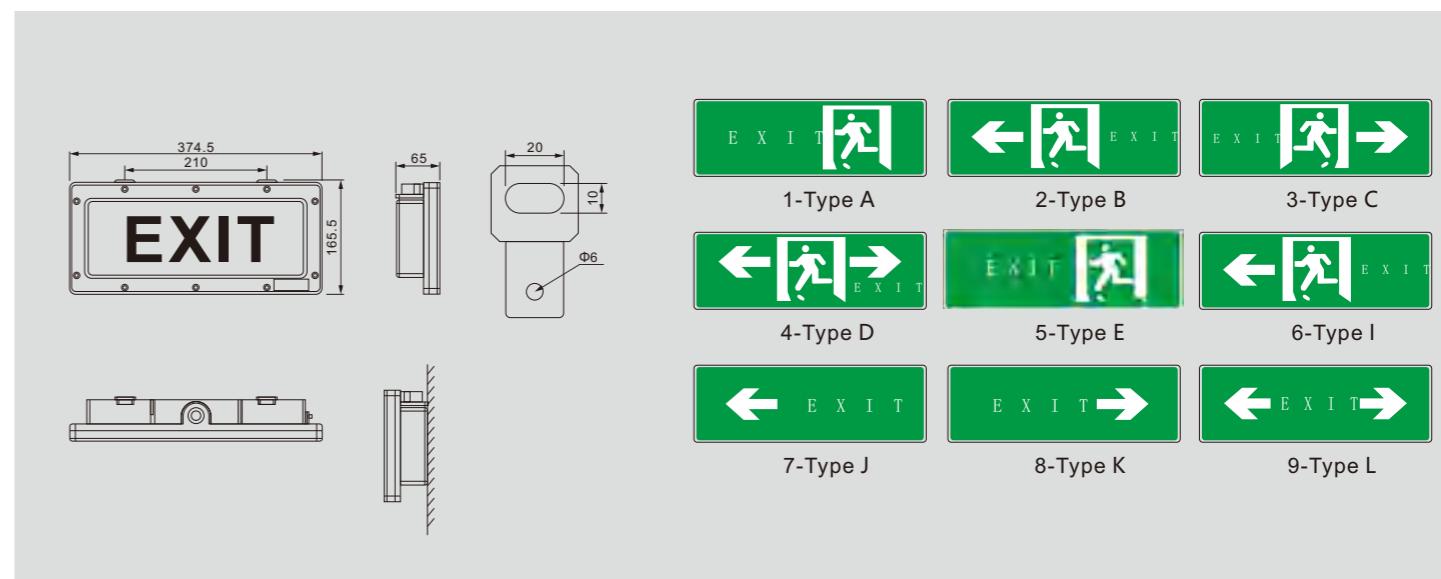
## ■ Features:

- Zone 1&2, Zone 21&22
- Built-in maintenance-free battery pack, the battery will be charged automatically when power is supply. And it will be in emergency light when the power fails.
- The lamp head can be rotated around 270° from top to bottom, with wide lighting range.
- Easy to install
- LED indicator of main, charge, fault to easy to know the status of the light.
- Self inspections annual month. And test button for testing any time for user.
- Equipped with an explosion-proof buzzer with a 65dB-85dB voice. When the product is in fault status, the buzzer will work 1-3s every minute to remind the user to maintain the product.

## Technical Parameters

Type	TL-EPYS
European (ATEX)	CE 1282 Ex II 2G Ex d e IIC Gb
Gas and Dust	CE 1282 Ex II 2D Ex tb Db
IP Degree	IP66
Input voltage	220VAC, 50-60Hz
Power consumption [W]	3
Back-up Battery	>120min
Entries	G 3/4" (suitable for $\phi$ 10mm- $\phi$ 14mm cable); NPT3/4" is optional
Size [mm]	166*375*65
Weight [kg]	3.25
Mounting Styles	Ceiling; Wall; Base Mount

## Dimension & Installation [mm]



# TL-EPJS series

Explosion Proof Siren

# TL-EPZD series

Explosion Proof Obstruction Light

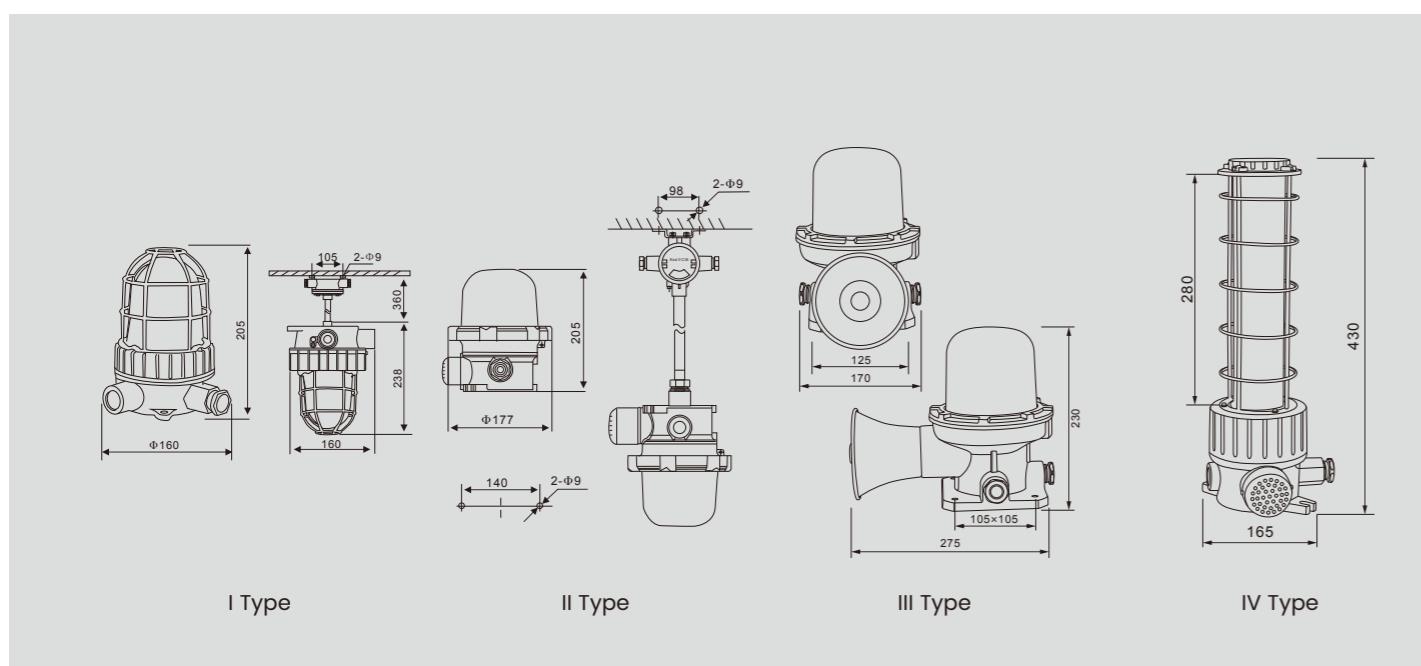


## Technical Parameters

### Technical Parameters

Type	TL-EPJS-I	TL-EPJS-II	TL-EPJS-III	TL-EPJS-IV
European (ATEX)	CE 1282 Ex II 2G Ex d e IIC Gb			
Gas and Dust	CE 1282 Ex II 2D Ex tb Db			
Input voltage	AC220V/DC24V/ DC36V			
Degree of protection	IP66			
Power consumption [W]	3	5	10	5
Sound Intensity [dB]	90	120	180	120
Flash Frequency	150 times/Min			
Color	Red/Yellow/Blue/Green			
Weight	1.8	2.7	3.7	2.5
Mounting Styles	Wall Bracket; Base			

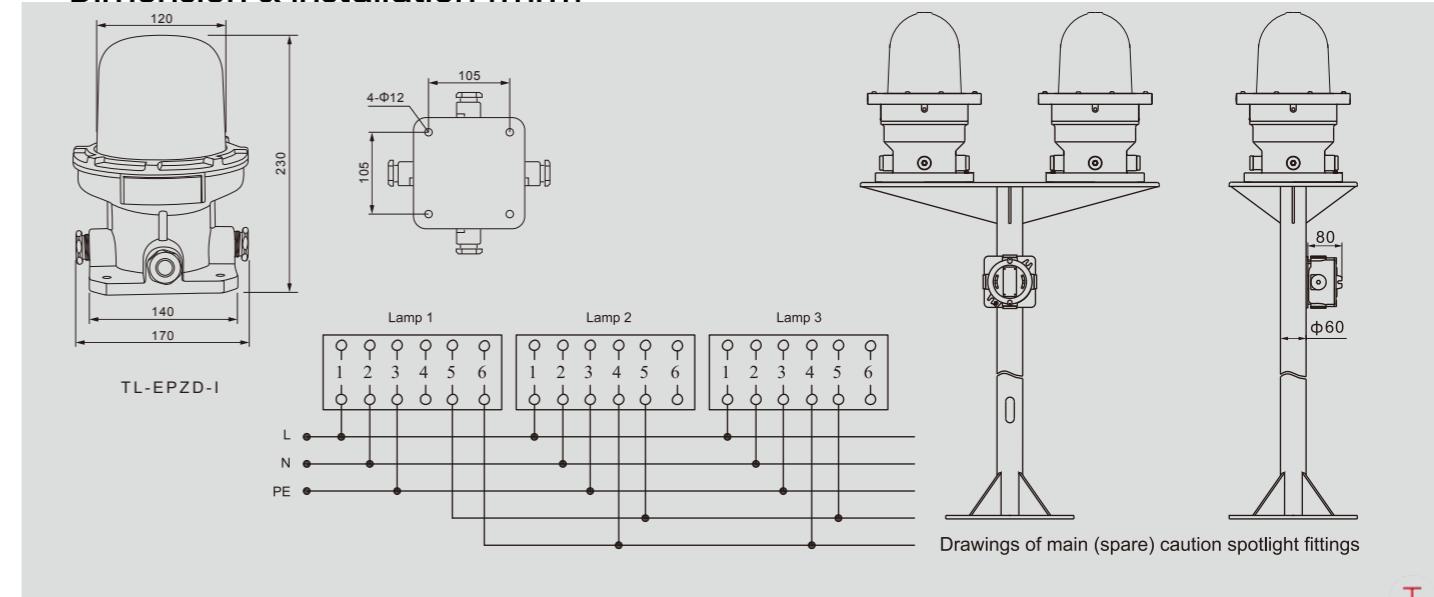
### Dimension & Installation [mm]



## Technical Parameters

Type	TL-EPZD81-I	TL-EPZD81-II	TL-EPZD81-III
European (ATEX)	CE 1282 Ex II 2G Ex d e IIC T6 Gb		
Gas and Dust	CE 1282 Ex II 2D Ex tb Db		
Input voltage	220VAC, 50Hz		
Degree of protection	IP66		
Synchronized Flashing (Wireless)	Optional		
With solar panel	Optional		
Light color	Red		
Effective Luminous Intensity	Low intensity >200cd	Medium Intensity >2000cd	High Intensity >20000cd
Power consumption [W]	<8 W	<40 W	<100W
Light Source	LED	LED	Xenon lamp
Flash Rate (flash per minute)	20-60	20-60	16-60
Weight [kg]	2.8	4.8	6.0
Mounting Styles	Wall Mount; Base Mount		

### Dimension & Installation [mm]



Drawings of main (spare) caution spotlight fittings

# TL-EPAH series

Explosion Proof Terminal Box



## ■ Features:

- Zone 1&2, Zone 21&22
- Housing is made of die-cast aluminum, with epoxy sprayed
- Inlet and outlet there are many ways and specifications
- Incoming and outgoing threads can be customized in metric thread, NPT thread, etc.

## Technical Parameters

Type	TL-EPAH Junction box
European (ATEX) Gas	Ex db IIC T6 Gb
Rated Current	20A
Degree of protection	IP65
Terminals	4

Outline	Description	Outline	Description
○	1 way in horizon	○	1 way in horizon
⊖	2 ways in horizon	⊖	2 ways in horizon
⊖	3 ways in horizon	⊖	3 ways in horizon
⊖	4 ways in horizon	⊖	4 ways in horizon
○	2 perpendicular ways in horizon	○	2 perpendicular ways in horizon

○ Horizontel cover, ○ Hung cover.

## Dimension & Installation [mm]

Cable Outsize(mm)	Ex Mark	Tube Thread(G")	A	B	C	D	Size
Φ7~Φ10	Exd II BT6 Gb Exd II CT6 Gb Exe II T6 Gb	1/2	170	108	105	66	
Φ10~Φ14		3/4	180	108	108	66	
Φ12~Φ18		1	195	108	-	66	
Φ15~Φ23		11/4	200	122	-	87	
Φ18~Φ30		11/2	215	122	-	87	
Φ25~Φ38		2	260	160	-	110	
Φ7~Φ10	Exd II BT6 Gb Exd II CT6 Gb DIP A20 TA, T6	1/2	175	108	-	76	
Φ10~Φ14		3/4	175	108	-	76	
Φ12~Φ18		1	175	108	-	76	
Φ15~Φ23		11/4	200	122	-	97	
Φ18~Φ30		11/2	215	122	-	97	
Φ25~Φ38		2	260	160	-	97	
Φ7~Φ10	Exd II BT6 Gb Exd II CT6 Gb DIP A20 TA, T6	1/2	175	108	100	65	
Φ10~Φ14		3/4	175	108	100	65	
Φ12~Φ18		1	175	108	100	65	



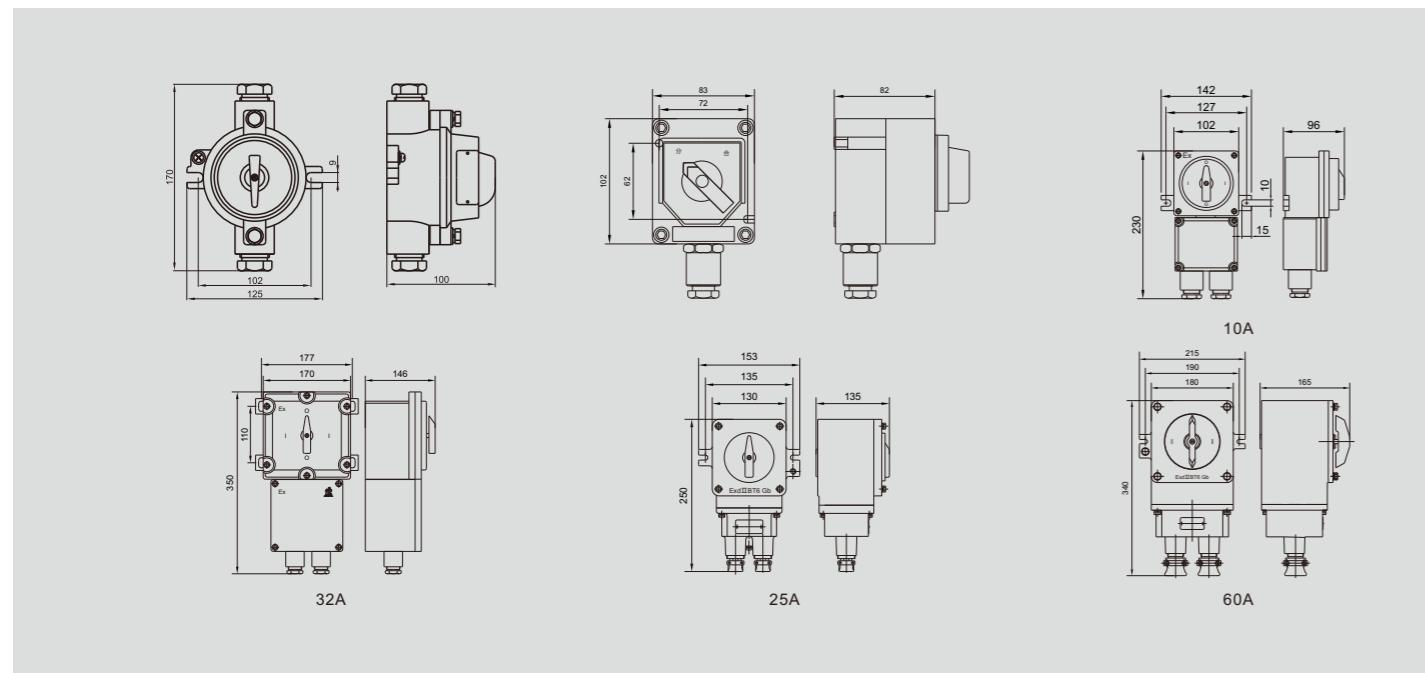
### ■ Features:

- Zone 1&2, Zone 21&22
- Housing is made of die-cast aluminum, with epoxy sprayed
- Compact structure, beautiful appearance
- Waterproof and dustproof

### Technical Parameters

Type	TL-EPSW-10 Switch
Ex rate	Ex db IIC T6 Gb
Rated Current	10-63A
Rated voltage	220/380VAC
Degree of protection	IP65
Entries	G 3/4" (suitable for $\Phi 10\text{mm}$ - $\Phi 14\text{mm}$ cable); NPT3/4" is optional

### Dimension & Installation [mm]



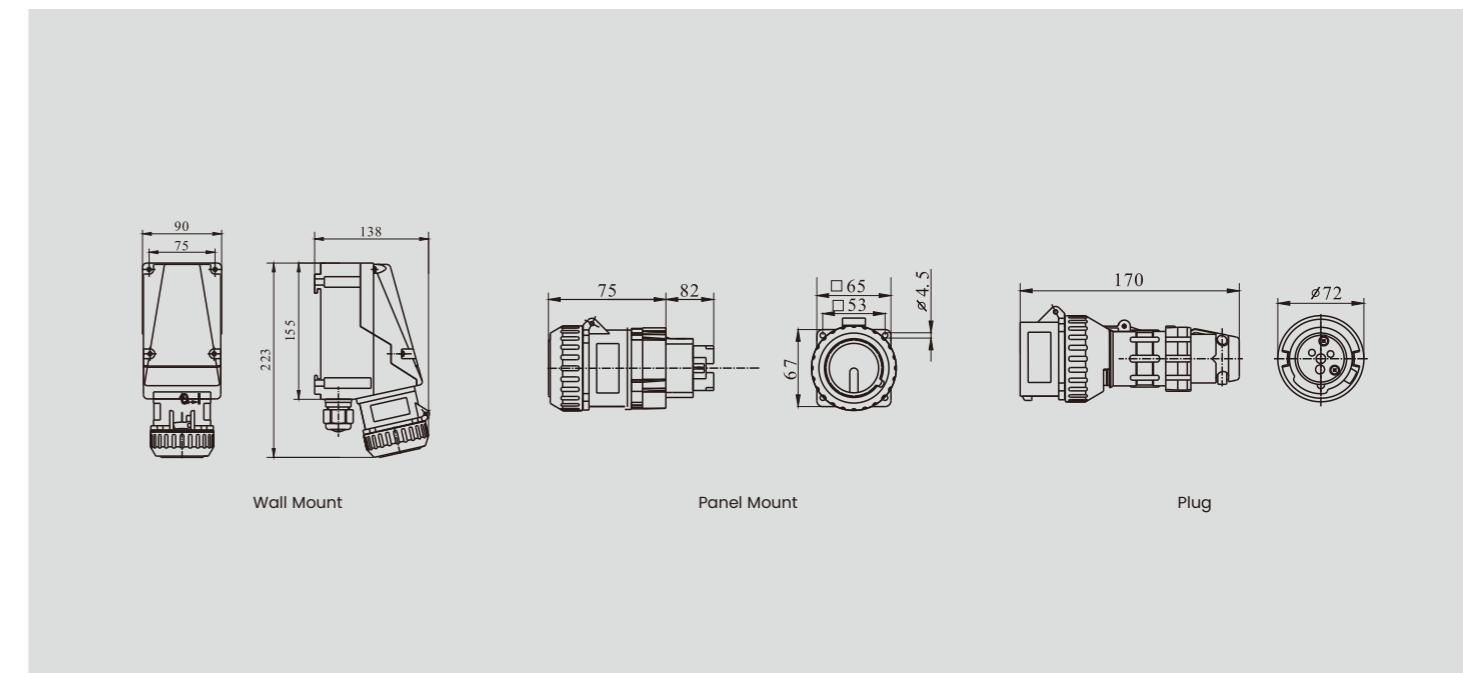
### ■ Features:

- Zone 1&2, Zone 21&22
- The plug&receptacle and the switch are made into an interlock structure, and the plug can only be pulled out after the switch is disconnected

### Technical Parameters

Type	TL-EPAC Plug & Receptacle		
Ex rate	Ex db IIC T6 Gb		
Rated Current [A]	16	32	63
Rated voltage	220/380VAC		
Degree of protection	IP66		
Entries	M25*1.5 (suitable for $\Phi 8\text{mm}$ - $\Phi 17\text{mm}$ cable)	M40*1.5 (suitable for $\Phi 13\text{mm}$ - $\Phi 27\text{mm}$ cable)	M40*1.5 (suitable for $\Phi 13\text{mm}$ - $\Phi 27\text{mm}$ cable)
The cable for plug	$\Phi 8\text{mm}$ - $\Phi 19\text{mm}$	$\Phi 12\text{mm}$ - $\Phi 28\text{mm}$	$\Phi 12\text{mm}$ - $\Phi 28\text{mm}$

### Dimension & Installation [mm]



# Junction Box series



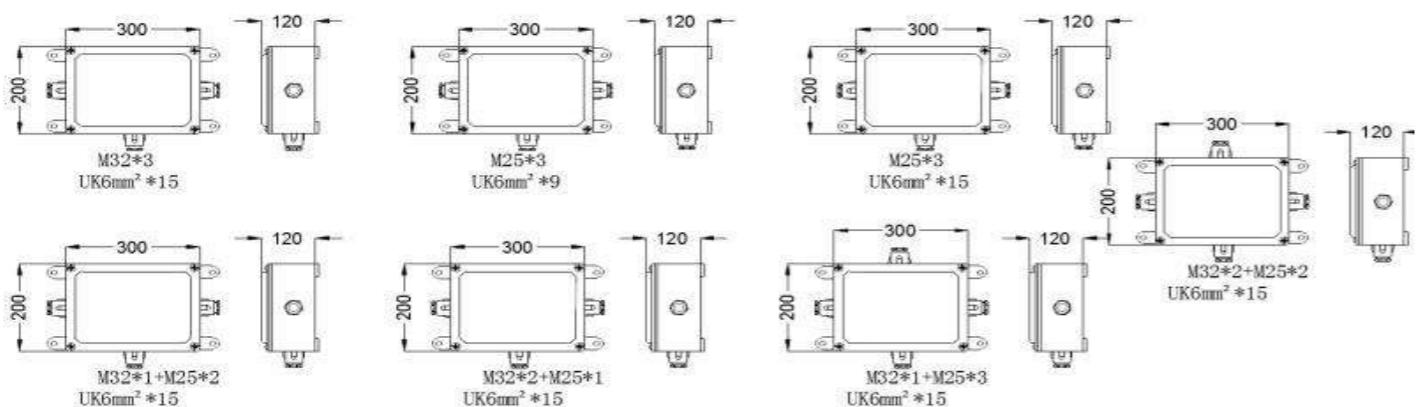
## ■ Features:

- Zone 1&2, Zone 21&22
- Remotely control the start and stop of multiple motors
- Sealing structure design using curved road, with good waterproof and dustproof performance
- Could be equipped with indicator lights, ammeters, voltmeters, buttons, switch and other components required by the user (potentiometer, frequency rate table, tachometer, etc.)

## Technical Parameters

Type	TL-EPJX Junction Box
Ex rate	II 2G Ex db eb IIC T6 Gb
Rated Current	6-36A
Rated voltage	220/380VAC
Degree of protection	IP65
Entries	G 1/2"- G1 1/2" (suitable for $\Phi$ 8mm- $\Phi$ 30mm cable); NPT is optional

## Dimension & Installation [mm]



# Panel Distribution series



## ■ Features:

- Die cast aluminum or stainless steel housing
- Built-in miniature circuit breaker or molded case circuit breaker
- Overload, open circuit protection function, can increase leakage protection function is optional
- This construction of the panel is a composite or isolated type. Composite type of the up enclosure is explosion-proof and the down terminal enclosure is increased safety type.
- With overload, short circuit protection, and the leakage protection, surge protectors function is optional;



## Technical Parameters

Type	TL-EPXM Panel Distribution
Ex rate	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Degree of protection	IP65
Rated voltage	220/380VAC
Branches [K]	2, 4, 6, 8, 10, 12
Branch current [A]	1, 2, 4, 6, 10, 16, 25, 32, 40, 50, 63; =250; =400
Entries	G1/2"- G4"; NPT is optional

# Cable Gland series

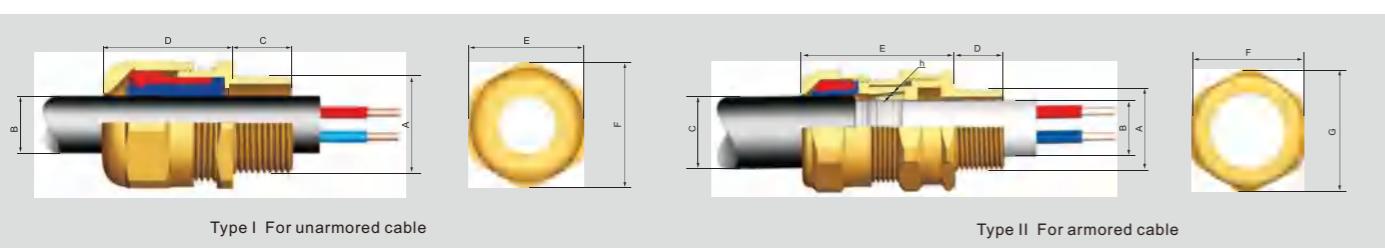


## ■ Features:

- Zone 1&2, Zone 20&21&22
- Stainless steel, nickel plated brass or galvanized carbon steel is optional.
- Suit for unarmored or armored cable

Type I Gland size	Standard entry thread A			Cable outer diameter B (mm)		Minimum thread length C (mm)	Nominal protrusion length D (mm)	Across flats E (mm)	Across corners F (mm)	Weight (kg)
	Min	Max								
20	M20 x 1.5	NPT 1/2"	G1/2"	5	10	15	33	27	30	0.15
25	M25 x 1.5	NPT 3/4"	G3/4"	9	14	15	33	32	35	0.15
32	M32 x 1.5	NPT 1"	G1"	13	18	19	37	38	41	0.30
40	M40 x 1.5	NPT 1 1/4"	G1 1/4"	17	24	19	40	47	50	0.50
50	M50 x 1.5	NPT 1 1/2"	G1 1/2"	22	32	19	40	55	60	0.55
63	M63 x 1.5	NPT 2"	G2"	31	44	19	53	68	72	0.70
75	M75 x 1.5	NPT 2 1/2"	G2 1/2"	43	56	19	53	80	85	0.90

Type II Gland size	Standard entry thread A			Cable outer diameter B (mm)	Cable outer diameter C (mm)	Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness h (mm)	Weight (kg)
	Max	Min	Max								
20A	M20 x 1.5	NPT 1/2"	G1/2"	10.5	5.5	12.0	15	50	27	30	0.3~1.0
20B	M20 x 1.5	NPT 1/2"	G1/2"	10.5	9.5	16.0	15	50	27	30	0.3~1.0
20C	M20 x 1.5	NPT 1/2"	G1/2"	14.5	12.5	20.5	15	52	27	30	0.3~1.0
25B	M25 x 1.5	NPT 3/4"	G3/4"	14.5	12.5	20.5	15	52	34	37	0.3~1.0
25C	M25 x 1.5	NPT 3/4"	G3/4"	19.5	17.0	26.0	15	57	34	37	0.4~1.2
32B	M32 x 1.5	NPT 1"	G1"	19.5	17.0	26.0	19	57	41	45	0.4~1.2
32C	M32 x 1.5	NPT 1"	G1"	25.5	22.0	33.0	19	61	41	45	0.4~1.4
40B	M40 x 1.5	NPT 1 1/4"	G1 1/4"	25.5	22.0	33.0	19	61	50	55	0.6~1.9
40C	M40 x 1.5	NPT 1 1/4"	G1 1/4"	31.0	28.0	41.0	19	68	50	55	0.6~2.2
50B	M50 x 1.5	NPT 1 1/2"	G1 1/2"	31.0	28.0	41.0	19	68	60	65	0.8~2.3
50C	M50 x 1.5	NPT 1 1/2"	G1 1/2"	37.0	36.0	52.5	19	76	60	65	0.8~2.3
63B	M63 x 1.5	NPT 2"	G2"	37.0	36.0	52.5	19	76	72	77	0.9~2.4
63C	M63 x 1.5	NPT 2"	G2"	49.0	46.0	65.0	19	94	77	82	0.9~2.4
75B	M75 x 1.5	NPT 2 1/2"	G2 1/2"	55.0	46.0	65.0	19	94	88	93	0.9~2.4
75C	M75 x 1.5	NPT 2 1/2"	G2 1/2"	64.0	57.0	78.0	19	99	105	110	0.9~2.4
90	M90 x 1.5	NPT 3"	G3"	75.0	68.0	88.0	19	99	115	121	0.9~2.8
110	M110 x 1.5	NPT 4"	G4"	90.0	83.0	103.0	19	105	130	137	0.9~2.8

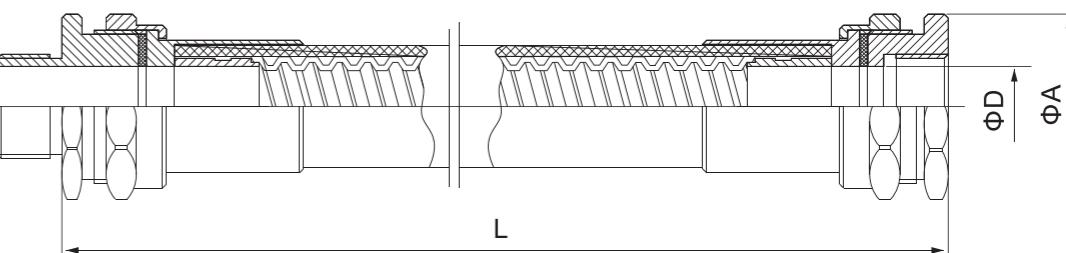


# Flexible Conduit series



## ■ Features:

- Zone 1&2, Zone 20&21&22
- Rubber plastic, steel net and stainless steel net is optional
- The thread could be specially made upon request, such as NPT, G thread
- The length of the flexible conduit can be specially made upon request.
- Degree of protection; IP65



For unarmored cable

Type	Tube Size(mm)	Tube Thread(G")	Length(mm)	minimum bending radius(mm)	Ex Mark
BNG-□15×700	15	G1/2"	700	80	
BNG-□15×1000	15	G1/2"	1000	80	
BNG-□20×700	20	G3/4"	700	110	
BNG-□20×1000	20	G3/4"	1000	110	
BNG-□25×700	25	G1"	700	145	
BNG-□25×1000	25	G1"	1000	145	
BNG-□32×700	25	G1"	1000	145	
BNG-□32×1000	32	G1 1/4"	700	180	
BNG-□40×700	32	G1 1/4"	1000	180	
BNG-□40×1000	40	G1 1/2"	700	210	
BNG-□50×700	40	G1 1/2"	1000	210	
BNG-□50×1000	40	G1 1/2"	700	250	
BNG-□70×700	50	G2"	700	250	
BNG-□70×1000	50	G2"	1000	250	
BNG-□80×700	70	G2 1/2"	700	350	
BNG-□80×1000	70	G2 1/2"	1000	350	
BNG-□100×700	80	G3"	700	400	
BNG-□100×1000	80	G3"	1000	400	
BNG-□100×1400	80	G3"	1400	500	

Note: The bend radius is not less than 6 times the outer diameter of the flexible tube.

ExdIIIC Gb  
DIP A20

100	G4"	1000	500
100	G4"	1400	500



# Fan series



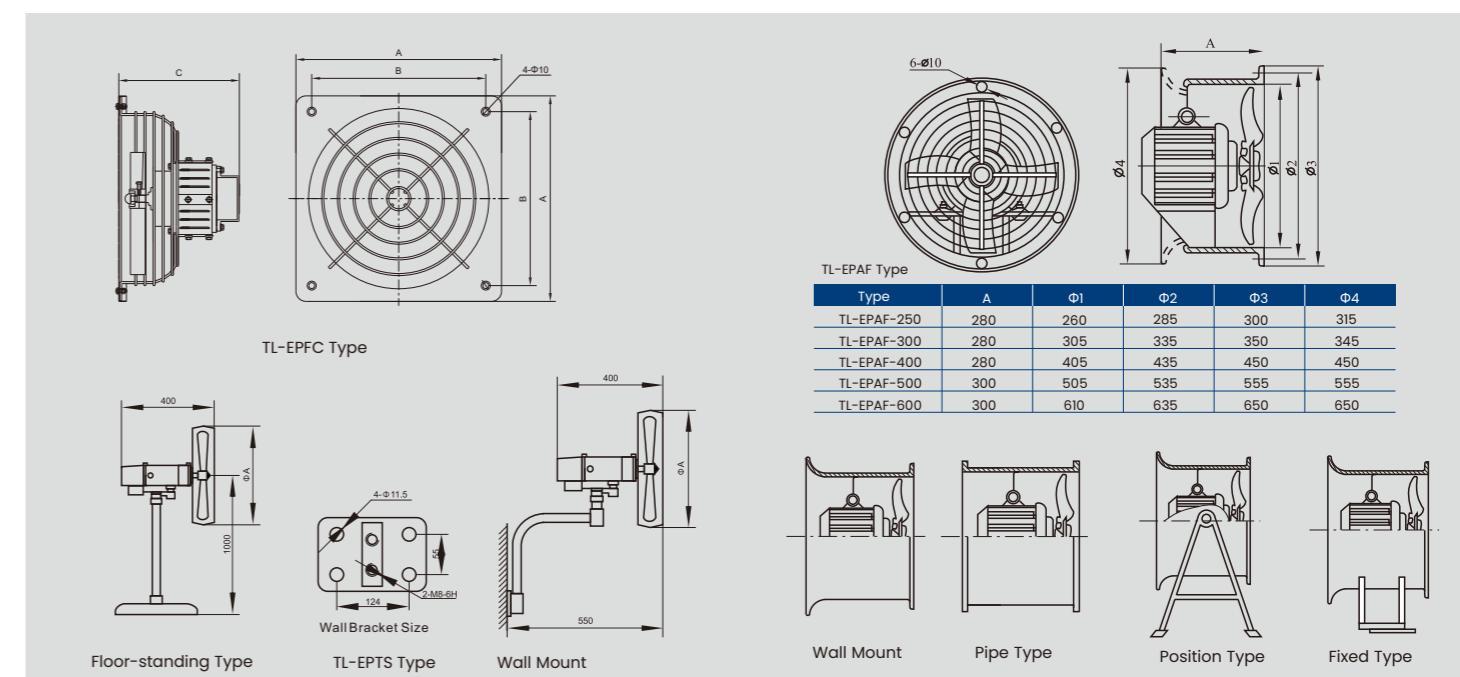
## ■ Features:

- Zone 1&2, Zone 21&22
- With explosion-proof motor
- Strong anti-corrosion ability
- Multiple installation methods
- Different impeller speed or motor power, air flow for choice

## Technical Parameters

Type	TL-EPFC Type	TL-EPAF Type	TL-EPTS Type
Ex rate	Ex db IIC T4 Gb		
Degree of protection	IP65		
Rated voltage	220/380VAC		
Size of blade [mm]	300, 400, 500, 600	315; 400; 500; 600	500; 600; 750
Power consumption [W]	120; 180; 250; 370	180; 250; 550; 750; 1500	370; 550; 750
Air volume [m³/min]	2200; 2400; 4900; 9500	2273; 4687; 9133; 18250	6600; 9600; 18000

## Dimensions [mm]



# Air Conditioner series



## ■ Features:

Zone 1 and Zone 2

For explosion-proof tank air conditioner, both cooling-only and cooling & heating products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones in the world.

Explosion-proof tank air conditioner is based on renowned brand, by taking explosion-proof measures to indoor and outdoor units. Measures to outdoor unit: by taking special technics and control, conduct explosion-proof treatment to internal control units, compressor, outdoor fan motor, protective system, heat-removal system, cooling system, etc. Besides, explosion-proof control box and sensor system are applied with intrinsic safety. The outline dimensions and installation are the same as the prototype after explosion proof treatment. Indoor unit: by taking special technics and control, dismantle internal electric control units and re-design explosion-proof structure which enables explosion-proof control box separated. Remote controller and sensor system are applied with intrinsic safety. The outline dimensions and installation are the same as the prototype after explosion-proof treatment.

## Technical Parameters

Type	TL-EPFR-23/220	TL-EPFR-32/220	TL-EPGR-45/220	TL-EPGR-60/220
Ex rate	Ex d b IIC T6 Gb			
Cooling capacity	W	2300	2600	4500
	BTU	7800	10000	15000
Heating capacity (w)		2750	3950	5000
Rated voltage/Frequency [v/Hz]		220/50	220/50	220/50
Input Power [P]		1P	1.5P	2P
Cooling input power/current [w/A]		830/3.7	1150/5.5	1600/7.4
Heating input power/current [w/A]		850/3.8	1340/6.0	1600/7.6
Application areas (m <sup>2</sup> )		10~12	13~16	22~27
Sound level [dB]	Indoor unit	43	44	43/48
	Outdoor unit	54	55	56
Outline dimensions L*W*H [mm]	Indoor unit	1100*358*294	1100*358*294	1720*500*300
	Outdoor unit	860*665*330	860*665*330	980*790*427
	Control box	420*350*178	420*350*178	300*250*165
Weight [kg]	Indoor unit	16	16	44
	Outdoor unit	54	78	68
	Control box	21.2	21.2	6

## Dimensions [mm]

# Air Conditioner series

