



TEGRALUX

POWER • PRECISION • PROTEC 

EXPLOSION PROOF LIGHTING

OIL & GAS | MINING | CHEMICAL | INDUSTRIAL

PT Teknologi Otomasi Indonesia

Address : Jl. Letjen M.T. Haryono No.Kavling 20 unit MO/06,
Cawang, Kota Jakarta Timur.

Email : sales@pttoi.co.id / gandi.ryanto@pttoi.co.id

Phone : 082214771909 / 082135904541

**EXPLOSION PROOF LIGHTING
& EXPLOSION PROOF EQUIPMENT**

Tegralux Manufacture by Crown Extra
Lighting Co. Ltd.

About Us



Tegralux manufacture Crown Extra, was founded since 2011 to manufacture and supply explosion proof equipments.

We mainly produces and operates maintenance-free LED explosion-proof lamps, explosion-proof lamps, explosion-proof electrical appliances, explosion-proof accessories, low-voltage electrical components, moldspower distribut ion sw itch control e quipme nt and other products.

Leading in the international and domestic explosion-proof certification industry. Our company designs and manufactures in strict accordance with the GB3836.1/ GB3836.2-2010 national standards, and has obtained the corresponding explosion-proof certificate, explosion-proof inspection report, EU CE, ATEX, TUV, ISO9001, 3C, RoHS and other management system certifications.

Application

◀ Gas Station



◀ Street Light



◀ Medical



◀ Off Shore



◀ Mining



◀ Facory



◀ Oil Refinery



◀ Power Generation





Certificates





- 1 GYD680 Series (30-160W)
- 2 GYD780 Series (30-150W)
- 3 GYD620 Series (20-240W)
- 4 GYD720 Series (20-240W)
- 5 GYD210 Series (50-150W)
- 6 GYD970L Series (30-240W)
- 6 GYD950 Series (12-120)



GYD680 series 30-160W Explosion proof Led Light



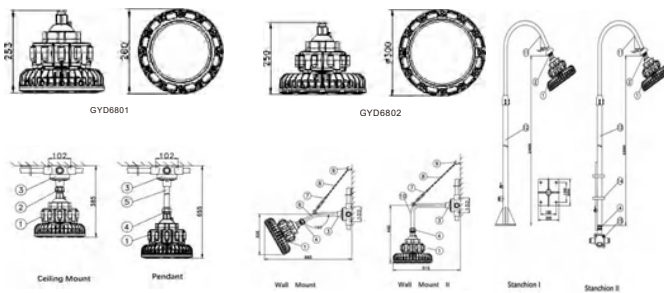
n Features:

- ✓ 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	GYD6801	GYD6802
European (ATEX)	CE 2 8 Ex	II 2G Ex db IIC T 5/T6 Gb
Gas and Dust	CE 2 8 Ex	II 2D Ex Ib IIC T95°C/T80°C Db IP66
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]



GYD780 series 30-150W Explosion proof Led Light



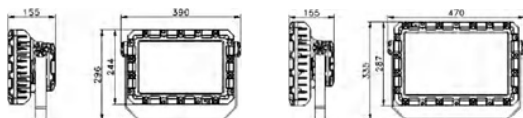
Key Features:

- ✓ 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	GYD7801	GYD7802
European (ATEX)	CE 1 2 II 2G Ex db IIB T5 /T6 Gb	CE 1 2 II 2G Ex db IIB T5 /T6 Gb
Gas and Dust	CE 1 2 II 2D Ex tb IIIC T95°C/T80°C Db IP66	CE 1 2 II 2D Ex tb IIIC T95°C/T80°C Db IP66
Input voltage	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Power consumption [W]	20~100	120~150
Luminaire efficiency [Lm/W]	130	130
Degree of protection	IP66	IP66
Size [mm]	390*250*155	470*290*155
Weight [kg]	10.85	13
Mounting Styles	Pendant; Ceiling; Wall Bracket; Stanchion	

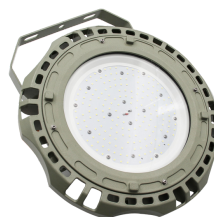
Dimension & Installation [mm]



GYD7801

GYD7802

GYD620 series 20-240W Explosion proof Led Light



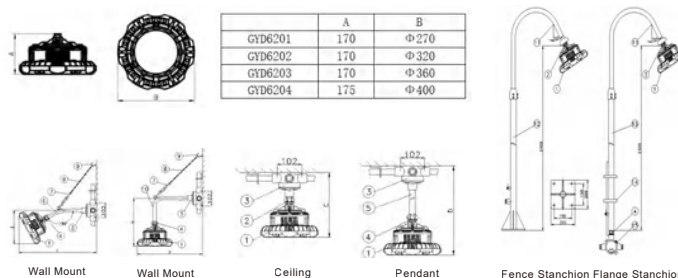
Key Features:

- ✓ 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	GYD6201	GYD6202	GYD6203	GYD6204
European (ATEX)	CE 12 8 II 2G Ex db eb IIC T6 Gb	CE 12 8 II 2G Ex db eb IIC T6 Gb	CE 12 8 II 2G Ex db eb IIC T6 Gb	CE 12 8 II 2G Ex db eb IIC T6 Gb
Gas and Dust	CE 12 8 II 2D Ex tb IIIC T80°C Db IP66	CE 12 8 II 2D Ex tb IIIC T80°C Db IP66	CE 12 8 II 2D Ex tb IIIC T80°C Db IP66	CE 12 8 II 2D Ex tb IIIC T80°C Db IP66
Input voltage	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Power consumption [W]	20~70	80~120	150~200	210~240
Luminaire efficiency [Lm/W]	130	130	130	130
Degree of protection	IP66	IP66	IP66	IP66
Size [mm]	270*270*170	320*320*170	360*360*170	400*400*175
Weight [kg]	5.25	6.5	8.6	10.7
Mounting Styles	Pendant; Ceiling; Wall Bracket; Stanchion			

Dimension & Installation [mm]



30-240W Explosion proof Led Street Light



- ✓ 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

Type	GYD7201	GYD7202	GYD7203	GYD7204
European (ATEX)	CE 1282 ⁽¹⁾ II 2G Ex db eb IIC T 6 Gb			
Gas and Dust	CE 1282 ⁽²⁾ II 2D Ex tb IIIC T80°C Db IP66			
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			

	A	B	C	D	E
GYD201	304	264	219.5	180	181
GYD202	384	344	273.5	240	183
GYD203	472	418	315	275	190
GYD204	544	492	371.5	330	190.5

50-200W Explosion proof Led Light



- ✓ 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

Type	GYD980
European (ATEX)	CE 1282 Ex II 2G Ex db eb IIC T 6 Gb
Gas and Dust	Ex II 2D Ex tb IIIC T80°C Db IP66
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

GYD970L series

30-240W

Explosion proof Led Street Light

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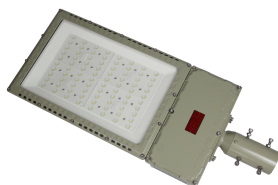
GYD950 series

12-120W

Explosion proof Led Light

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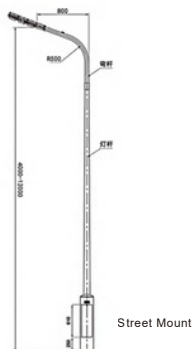
n Features:

- ✓ 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	GYD9701L	GYD9702L	II 2G Ex db e b IIC	GYD9703L	GYD9704L
European (ATEX)	CE 1 II 2G Ex db e b IIC T 6 Gb				
Gas and Dust	CE 82 II 2D Ex tb III C 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]



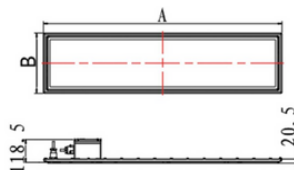
n Features:

- ✓ 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	GYD9501	GYD9502	GYD9503	9504
European (ATEX)	CE 1282 II 2G Ex db e b IIC T 6 Gb			
Gas and Dust	CE 1282 II 2D Ex tb III C 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
GYD9501-□	325	325
GYD9502-□	625	325
GYD9503-□	625	625
GYD9504-□	1225	325

Linear Ex-Proof Lighting

- 9 BPY Series
- 10 BHY Series
- 11 BYS Series
- 12 GYD93 Series
- 13 GYD930 Series

BPY 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.

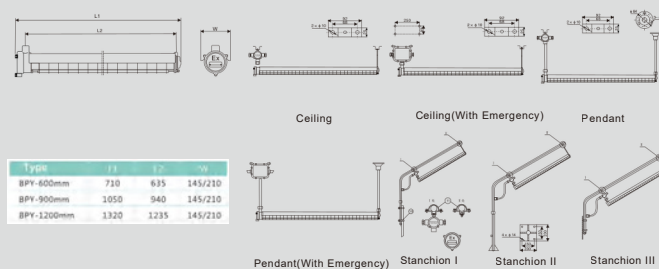


Technical Parameters

European (ATEX)	CE 1 2 8 II 2G Ex de IIC T6Gb
Input voltage	220V/AC, 50-60Hz
Degree of protection	IP66
Mounting Styles	Pendant; Ceiling; Stanchion

Type	BPY-600 (Single/Double)	BPY-900 (Single/Double)	BPY-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]



BHY series

Explosion proof Linear Light



n 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 Para meters

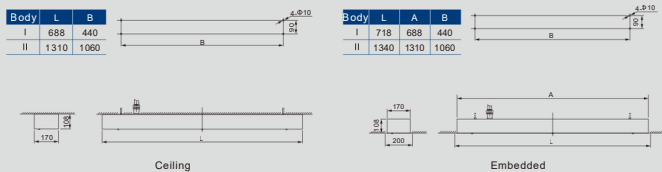
European (AT EX)	CE 1282 II 2G Ex de IIC T6
Input voltage	220V AC, 50-60Hz
Degree of protection	IP66

Type	T8 Fluorescent	BHY-II-600	BHY-II-1200
tube	T5 Fluore scent	(1~3)*18Watt	(1~3)*36 Watt
LED tube	Size	/	/
for Ceiling mount	Size	(1 ~ 3) * 8 W a t t	(1~3)*16Watt
for Ceiling m ount	Size	L 7 7 0 * W 2 3 5 * H 1 4 0	L1370*W235*H140
Mounting Styles	Size	L 7 7 0 * W 2 2 5 * H 1 1 5	L1370*W225*H115
	Mounting Styles	C e i l i n g ; E m b e d d e d	

Type	BHY-II-12 00-3tube	BHY-II-12 00-4tube
T8 Fluorescent tube	3*36Watt	4*36Watt
T5 Fluore scent tube	/	/
LED tube	3*16Watt	4*16Watt
Size	L1500*W325*H65	L1500*W450*H65
Mounting Styles	Embedded	

Type	BHY-III-60 0
T8 tube	3*8W
Size	L700*W700 *H90
Mounting Styles	Embedded

Dimension& Installation[mm]



BYS series

Explosion proof Linear Light



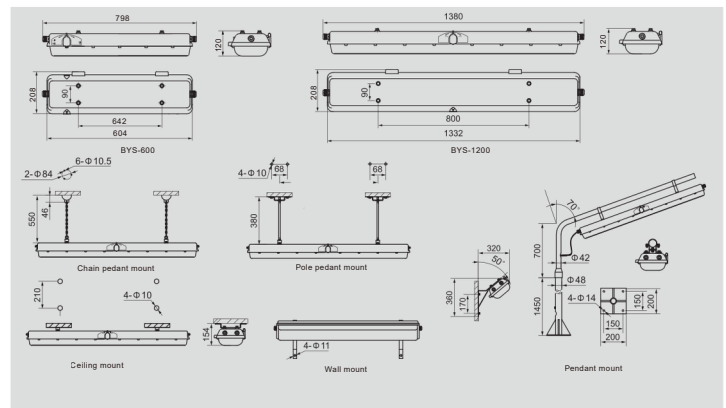
n Features:

- 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	BYS-600	BYS-1200
European (ATEX)	CE 1282 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]



GYD93 series

20-60W Explosion proof Led Linear Light



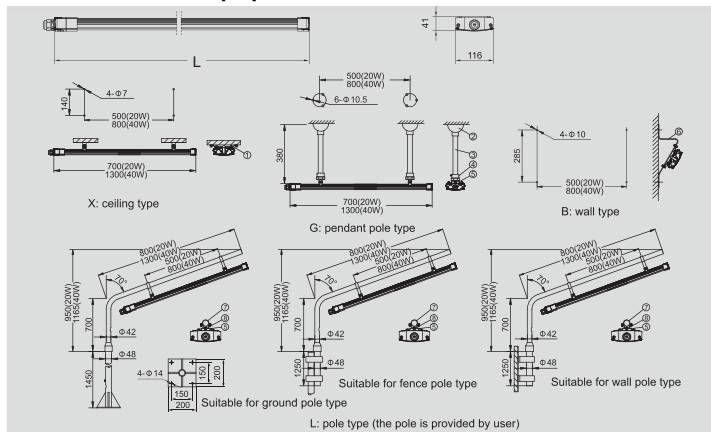
Features:

- 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	GYD93-1	GYD93-2	GYD93-3
European (ATEX)	CE 12 II 3G Ex nR IIC Gc		
Gas and Dust	CE 2 II 2D Ex tb IIC T80°C Db IP66		
Input voltage	220-240VAC, 50-60Hz		
Power consumption [W]	20 95	40	60
Luminaire efficiency [Lm/W]	IP66		
Degree of protection	650*120*35 1.62		
Size		1300*116*40	1300*116*45
Weight		3	4
Mounting Styles	Pendant; Ceiling; Wall; Stanchion		

Dimension & Installation [mm]



GYD93 0 series

20-60W40 E-8x0pWIo sEioxpn lporsoioconf Lperodo Lf ilNee



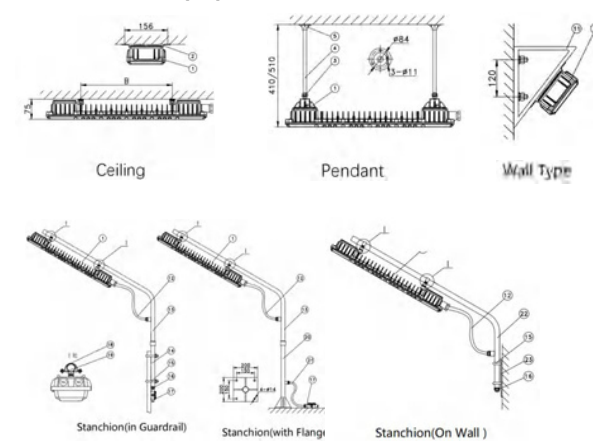
Features:

- 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	GYD9301	GYD9302	GYD9303
European (ATEX)	CE 12 II 3G Ex nRemb IIC Gc		
Gas and Dust	CE 2 II 2D Ex tb Db IP66		
Input voltage	220-240VAC, 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]



BCD series



70-400W Explosion proof HID Light



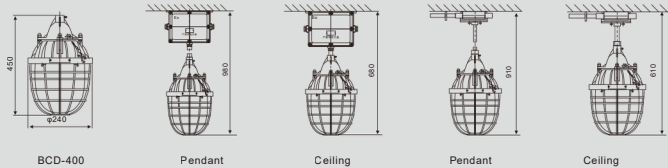
n Features:

- 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	BCD-100	BCD-200	BCD-200B	BCD250	BCD-400
European (ATEX)	CE 2 8 II 2G Ex d IIC T6 Gb				
Gas and Dust	CE 1282 II 2D Ex tb Db				
Input voltage	220VAC, 50-60Hz				
Degree of protection	IP66				
Lamp holder	E27	E27	E27	E40 250W	E40 400W
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	175/250W	400/450W
High Pressure Mercury Lamp	/	80/125/160W	80/125/160W	105W	150W /
Energy Saving Bulb	15W 8W 1.4kg	36W	36W	36W	6.31kg
LED Bulb		15W	15W	3.78kg	
Weight		2.0kg	2.87kg		
Mounting Styles	Pendant; Ceiling; Wall Bracket; Stanchion				

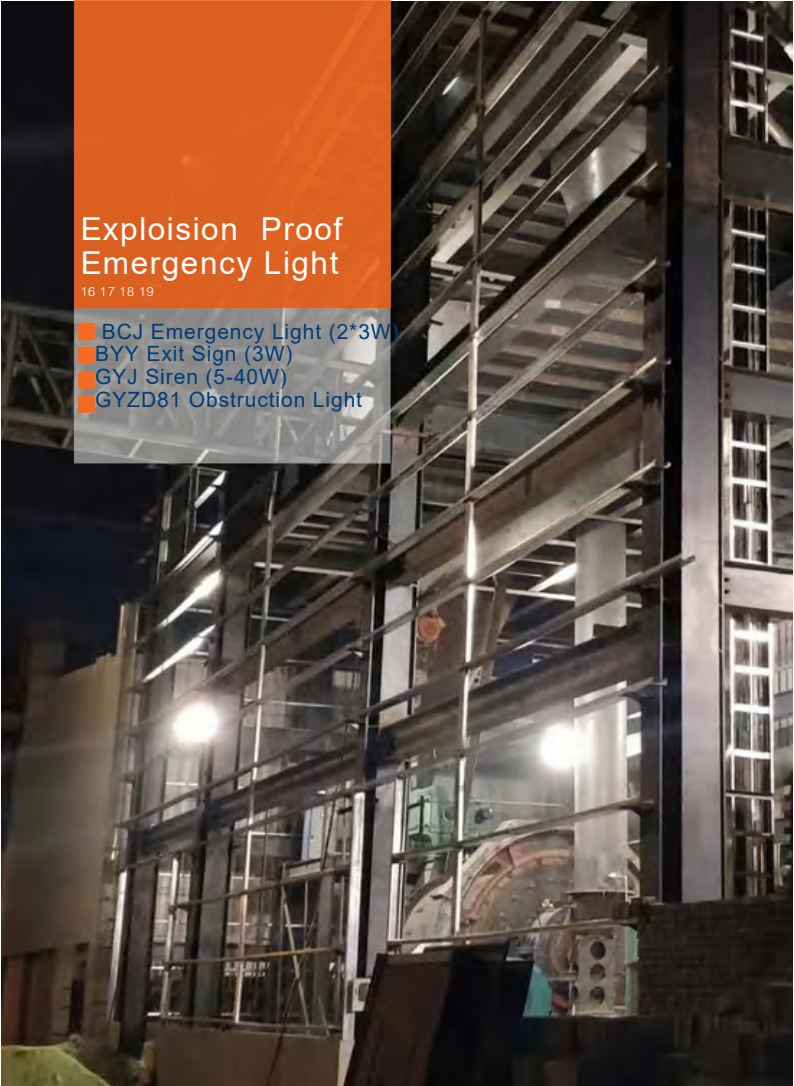
Dimension & Installation [mm]



Explosion Proof Emergency Light

16 17 18 19

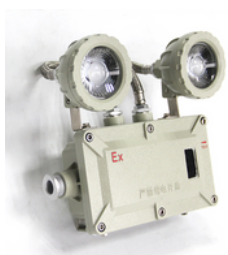
- BCJ Emergency Light (2*3W)
- BYY Exit Sign (3W)
- GYJ Siren (5-40W)
- GYZD81 Obstruction Light



BCJ series



Explosion proof Emergency Light



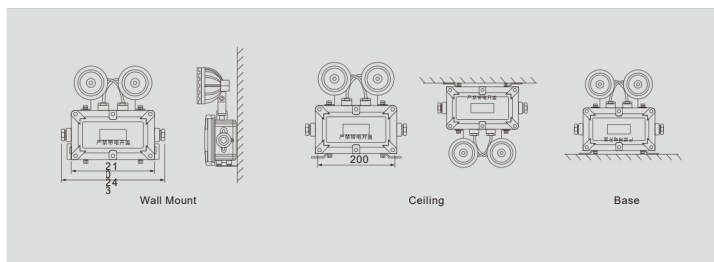
n Features:

- 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	BCJ
European (ATEX)	CE 1282 II 2G Ex d e IIC Gb
Gas and Dust	CE 1282 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 Φ10mm-Φ14mm cable); NPT3/4" is optional
Size [mm]	243*570*55
Weight [kg]	2.6
Mounting Styles	Ceiling; Wall; Base Mount

Dimension & Installation [mm]



BYY series



Explosion proof Exit Sign



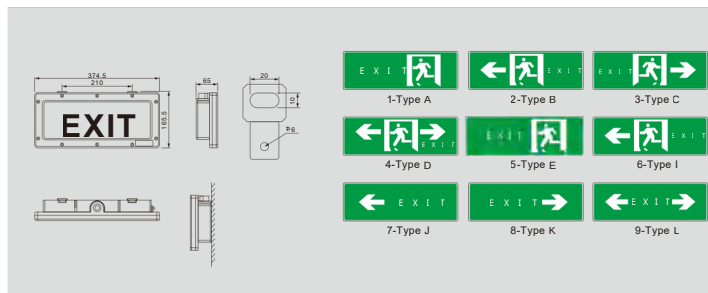
n Features:

- Zone 1&2, Zone 21&22 Die-cast aluminum body with baked epoxy powder coat finish for durability and corrosion resistance Ultra-bright LED light source, service life is up to 50,000 hours Designed with test buttons, convenient for regularly maintenance The light fitting is designed with a main power indicator, failure and charging indicator, to the using status 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	BY
European (ATEX)	CE 1282 II 2G Ex d e IIC Gb
Gas and Dust	CE 1282 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 Φ10mm-Φ14mm cable); NPT3/4" is optional
Size [mm]	166*375*65
Weight [kg]	3.25
Mounting Styles	Ceiling; Wall; Base Mount

Dimension & Installation [mm]



GYJ series

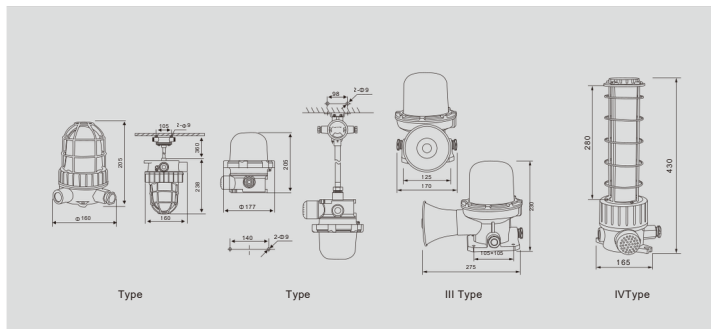
Explosion proof Siren



Technical Parameters

Type	GYJ-I	GYJ-II	GYJ-III	GYJ-IV
European (ATEX)	II 2G Ex d e IIC Gb			
Gas and Dust	II 2D Ex tb Db			
Input voltage	AC 220V/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]



GYZD series

Explosion proof Obstruction Light



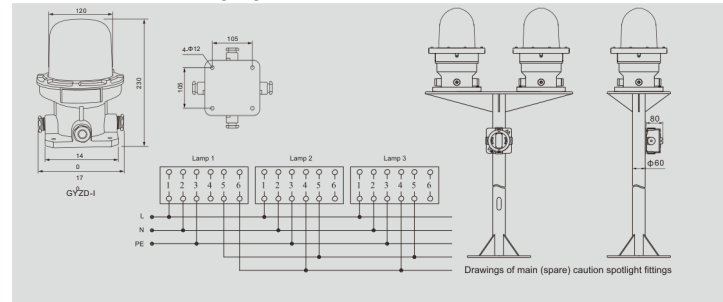
Features:

- Zone 1&2, Zone 21&22 Housing is made of die-cast aluminum, with epoxy sprayed With integrated chip,
- with a variety of protection circuits, synchronization of multiple lamps can be achieved through the synchronization of the signal line connection Can be equipped with solar panels powered by solar energy, using more than 15 hours on a single charge

Technical Parameters

Type	GYZD81-I	GYZD81-II	GYZD81-III
European (ATEX)	II 2G Ex d e IIC T6 Gb		
Gas and Dust	II 2D Ex tb Db		
Input voltage	220VAC, 50Hz IP66		
Degree of protection	Optional	Optional	Red
Synchronized Flashing (Wireless)	Low intensity >200cd <8		
With solar panel	W LED 20-60 2.8 Wall		
Light color	Mount; Base Mount		
Effective Luminous Intensity		Medium Intensity >2000cd	High Intensity >20000cd
Power consumption [W]		<40 W	<100W
Light Source		LED	Xenon lamp
Flash Rate (flash per minute)		20-60	16-60
Weight [kg]		4.8	6.0
Mounting Styles			

Dimension & Installation [mm]



Explosion Proof Equipment

01 02 03 04 05 06 07

- AH Junction box
- Switch
- Plug&Receptacle
- Control Station
- Panel Distribution
- Cable Gland
- Flexible Conduit

AH series



Explosion proof Terminal Box



n 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	AH Junction box
European (ATEX) Gas	Ex d b IIC T6 Gb
Rated Current	20A IP65 4
Degree of protection	
Terminals	

Outline	Description 1 way in horizon 2	Outline	Description 1 way in horizon 2
•	ways in horizon 3 ways in	•	ways in horizon 3 ways in
•	horizon 4 ways in horizon 2	•	horizon 4 ways in horizon 2
•	perpendicular ways in horizon	•	perpendicular ways in horizon
•		•	
•		•	

○ Horizontal 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	1/2	170	108	105	66	
Φ10~Φ4		3/4	180	108	108	66	
Φ12~Φ8	Exd II BT6 Gb	1	195	108	-	66	
Φ15~Φ3	Exd II BT6 Gb	1 1/4	200	122	-	87	
Φ18~Φ0	Exd II CT6 Gb	1 1/2	215	122	-	87	
Φ25~Φ8	Exe II T6 Gb	2	260	160	-	110	
Φ7~Φ10	Exd II BT6 Gb Exd II CT6 Gb DIP A20 TA, T6	1/2	175	108	-	76	
Φ10~Φ4		3/4	175	108	-	76	
Φ12~Φ8		1	175	108	-	76	
Φ15~Φ3		1 1/4	200	122	-	97	
Φ18~Φ0	Exd II BT6 Gb Exd II CT6 Gb DIP A20 TA, T6	1 1/2	215	122	-	97	
Φ25~Φ8		2	260	160	-	97	
Φ7~Φ10		1/2	175	108	100	65	
Φ10~Φ4	Exd II BT6 Gb Exd II CT6 Gb DIP A20 TA, T6	3/4	175	108	100	65	
Φ12~Φ8		1	175	108	100	65	

SW-10 series



Explosion proof Switch

AC series



Explosion proof Plug&Receptacle



n Features:

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



n 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

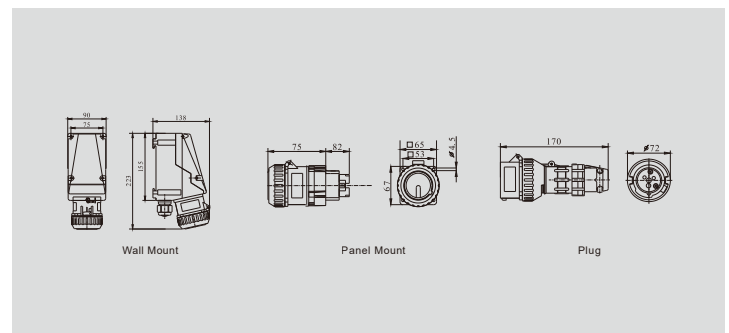
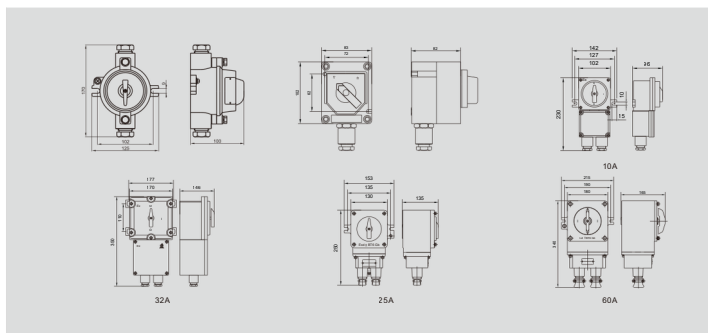
Type	SW-10 Switch
Ex rate	Ex d b IIC T6 Gb
Rated Current	10-63A
Rated voltage	220/380VAC
Degree of protection	IP65
Entries	G 3/4" (suitable for Φ10mm-Φ14mm cable); NPT3/4" is optional

Dimension & Installation [mm]

Technical Parameters

Type	Plug & Receptacle		
Ex rate	Ex db I IC T 6 G b		
Rated Current [A]	16	32	63
Rated voltage	220/380VAC		
Degree of protection	IP66		
Entries	M25*1.5 (suitable for Φ8mm-Φ17mm cable)	M40*1.5 (suitable for Φ13mm-Φ27mm cable)	M40*1.5 (suitable for Φ13mm-Φ27mm cable)
The cable for plug	Φ8mm-Φ19mm	Φ12mm-Φ28mm	Φ12mm-Φ28mm

Dimension & Installation [mm]





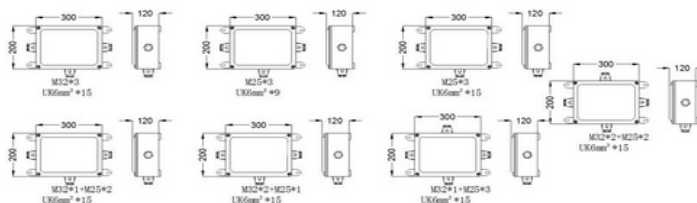
n Features:

- ✓ 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	CJXExplosionproof Junction Box
Ex rate	II 2GEx d b eII C T6 Gb
Rated Current	6-36A
Rated voltage	220/380VAC
Degree of protection	IP65
Entries	G 1/2"- G1 1/2" (suitable for Φ 8mm- Φ 30mm cable); NPT is optional

Dimension & Installation [mm]



n 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	BXM Panel Distribution
Ex rate	II 2G Ex d b eII C 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

FLEXIBLE CONDUIT series



n Features:

- ✓ Zone1&2,Zone20&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

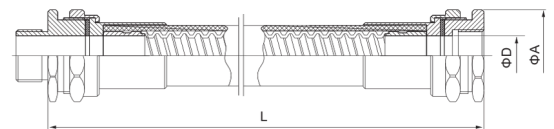
Type II Gland size	Standard entry thread A			Cable outer diameter B (mm)		Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness h (mm)	Weight (kg)
				Max	Min	Max	Max						
20A	M20 x 1.5	NPT 1/2"	G1/2"	10.5	5.5	12.0	15	50	27	30	0.3-1.0	0.14	
20B	M20 x 1.5	NPT 1/2"	G1/2"	10.5	9.5	16.0	15	50	27	30	0.3-1.0	0.14	
20C	M20 x 1.5	NPT 1/2"	G1/2"	14.5	12.5	20.5	15	52	27	30	0.3-1.0	0.13	
25B	M25 x 1.5	NPT 3/4"	G3/4"	14.5	12.5	20.5	15	52	34	37	0.3-1.0	0.18	
25C	M25 x 1.5	NPT 3/4"	G3/4"	19.5	17.0	26.0	15	57	34	37	0.4-1.2	0.17	
32B	M32 x 1.5	NPT 1"	G1"	19.5	17.0	26.0	19	57	41	45	0.4-1.2	0.21	
32C	M32 x 1.5	NPT 1"	G1"	25.5	22.0	33.0	19	61	41	45	0.4-1.4	0.19	
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	0.27	
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	0.24	
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	0.34	
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	0.31	
63B	M63 x 1.5	NPT 2"	G2"	37.0	36.0	52.5	19	76	72	77	0.9-2.4	0.43	
63C	M63 x 1.5	NPT 2"	G2"	49.0	46.0	65.0	19	94	77	82	0.9-2.4	0.40	
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	2.80	
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	2.70	
90	M90 x 1.5	NPT 3"	G3"	75.0	68.0	88.0	19	99	115	121	0.9-2.8	3.80	
110	M110 x 1.5	NPT 4"	G4"	90.0	83.0	103.0	19	105	130	137	0.9-2.8	4.70	

For unarmored cable

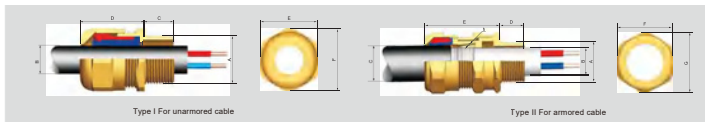


n Features:

- ✓ Zone1&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



Type	Tube Size(mm)	Tube Thread(G")	Length(mm)	minimum bending radius(mm)	Ex Mark
BNG-15x700	15	G1/2"	700	80	Exd II C Gb DIP A20
BNG-15x1000	15	G1/2"	1000	80	
BNG-20x700	20	G3/4"	700	110	
BNG-20x1000	20	G3/4"	1000	110	
BNG-25x700	25	G1"	700	145	
BNG-32x1000	25	G1"	1000	145	
BNG-40x700	32	G1 1/4"	700	180	
BNG-40x1000	32	G1 1/4"	1000	180	
BNG-50x700	40	G1 1/2"	700	210	
BNG-50x1000	40	G1 1/2"	1000	210	
BNG-70x700	50	G2"	700	250	
BNG-80x700	50	G2"	1000	250	
BNG-100x700	70	G2 1/2"	700	350	
BNG-100x1000	70	G2 1/2"	1000	350	
BNG-100x1400	80	G3"	700	400	
	80	G3"	1000	400	
Note: The bend radius is not less than 0.05 times the outer diameter of the flexible tube.					500
	100	G4"	1000	500	
	100	G4"	1400	500	





Explosion proof Appliance

2 FAN Series
8 Air Conditioner

2
9

FAN series



BFC



BTS



BAF



落地式

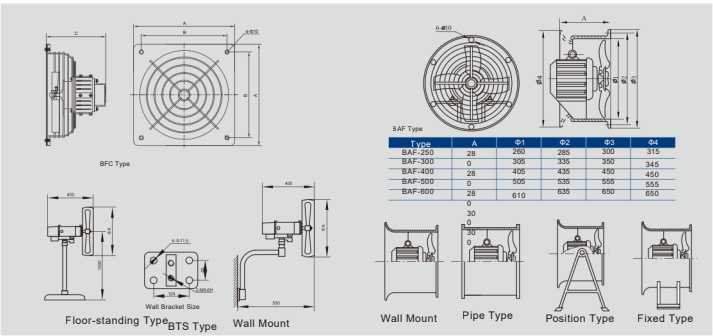
n Features:

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

Dimensions [mm]



AIR CONDITIONER series



Key Features:

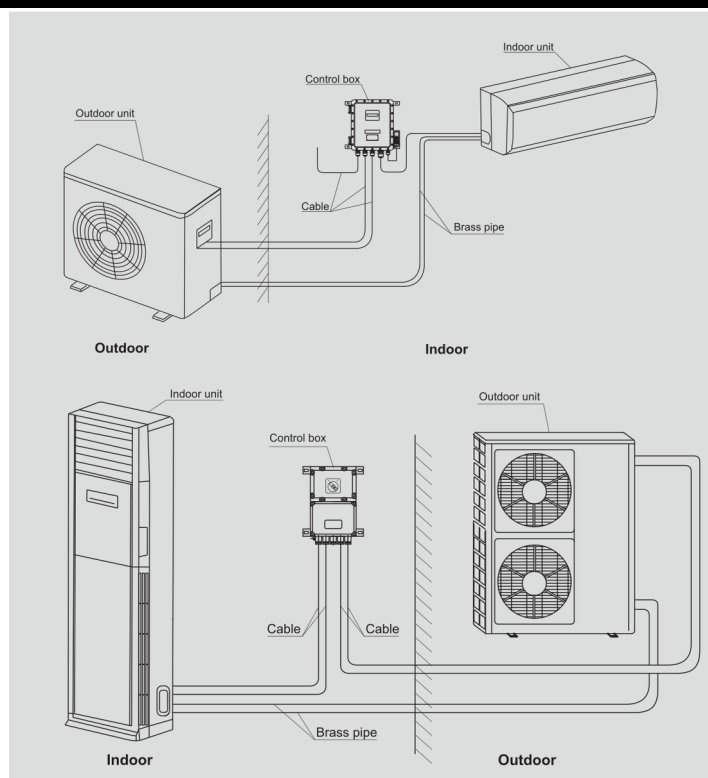
Ex Zone 2
Explosion-proof tank air conditioner, both cooling-only and heating products in T1, T2, and T3 are available, different requirements of low, medium and high temperatures in the world.
Explosion-proof tank air conditioner is based on renowned explosion-proof measures to indoor and outdoor units by taking special techniques and explosion-proof treatment to internal control units, compressor, outdoor fan motor, protective system, heat-removal cooling system, etc. Besides, explosion-proof control 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 techniques to dismantle internal electric control units and re-design explosion-proof structure which enables explosion-proof control rated. Remote controller and sensor system are with intrinsic safety. The outline dimensions and installation are the same as the prototype after explosion-proof treatment.

Technical Parameters

Type		BKFR-23/220 Ex		BKFR-32/220		BKGR-45/220		BKGR-60/220	
Ex rate		d b II C T6 Gb							
Cooling capacity	W	2300	7800	2750	2600	10000	4500	15000	6000
	BTU	220/50	1P	3950	220/50	5000	220/50	21000	
Heating capacity (W)		830/3.7	850/3.8	1.5 P	1150/5.5	2P	1600/7.4	7100	
Rated voltage/Frequency [V/Hz]		10~12	43	54	1340/6.0	1600/7.6	220/50		
Input Power [P]		1100*358*294		13~16	44	55	22~27	43/48	3P
Cooling input power/current [W/A]		860*665*330		1100*358*294		56	2260/10.5		
Heating input power/current [W/A]		420*350*178		16	860*665*330		1720*500*300	2350/10.9	
Application areas (m²)		54		21.2	420*350*178		980*790*427	27~34	
Sound level [dB]	Indoor unit			16		78	21.2	300*250*165	52
	Outdoor unit					44		68	6
Outline dimensions L W H (mm)	Indoor unit							1870*581*395	
	Outdoor unit							1250*1032*412	
	Control box							300*250*165	
Weight [kg]	Indoor unit							63	
	Outdoor unit							112	
	Control box							7	

Dimensions [mm]

AIR CONDITIONER series



Flashlight series

Explosion proof Flashlight

Worklight series

Explosion proof Work Light



Technical Parameters

Type	GYD7623	GYD7210	GYD7101
European (ATEX)	II 2G Ex d e II C	II 2G Ex d e II C	II 2G Ex d e II C
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	≥ 16
	≥ 8	≥ 9	≥ 8
Size [mm]	(Head:35)26*148	(Head:40) 26*208	69*162
Weight [g]	310	300	1300

n 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.



Technical Parameters

Type	GYD814	GYD630
European (ATEX)	II 2G Ex d IIC	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 30	/
Discharging time/Working time [h]		13

n 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.



Explosion Proof H.I.D Light

14.15

BAT51-R Series (250-1000W)
BCD Series (70-400W)



BAT51 series

250-1000W Explosion proof HID Light

n Features:

- Zone 1&2, Zone 21&22
- Die casting shell made of cast aluminum alloy (cooper is less than 0.4%), surface is high voltage electrostatic spray paint after high speed shot blasting, good corrosion proof. With the hole for easy opening, and the patented structure (automatic suspended security structure), make lamp replacement fast, convenient and safe. Unique diffuse reflection design to make light soft and wide angle of illumination



Technical Parameters

Type	BAT51-400	BAT51-1000
European (ATEX) Gas	CE 1282 Ex de IIC T6	
Input voltage	220VAC, 50Hz	CE 1282
Degree of protection	IP66	
Lamp holder	E27	E40 1000
Metal Halide Lamp	250,400Watt	Watt 1000
High Pressure Sodium Lamp	250,400Watt	Watt /
High Pressure Mercury Lamp	250,450Watt	
Mounting Styles	Pendant; Ceiling; Wall Bracket; Stanchion	

Dimension & Installation [mm]

