

# SYN-BATT-IECEX



## LED Explosion Proof Light



CE RoHS



### Classifications:

- ◆  II 2 G Ex eb mb op is IIC T5...T6 Gb
- ◆  II 2 D Ex op is tb IIIC T80°C Db
- ◆ LCIE 20 ATEX 3006 X

- ◆ ATEX-2014/34/EU

- ◆ EN IEC 60079-0:2018

- ◆ EN 60079-7:2015+A1:2018

- ◆ EN 60079-31:2014

- ◆  $-40^{\circ}\text{C} \leq T_{amb} \leq +40^{\circ}\text{C}$  (for T6 or T80°C)

- ◆ LVD-2014/35/EU

- ◆ RoHS-2015/863/EU

- ◆ RoHS-2011/65/EU

- ◆ EN 60079-18:2015+A1:2017

- ◆ EN 60079-28:2015

- ◆  $-40^{\circ}\text{C} \leq T_{amb} \leq +50^{\circ}\text{C}$  (for T5 or T80°C)

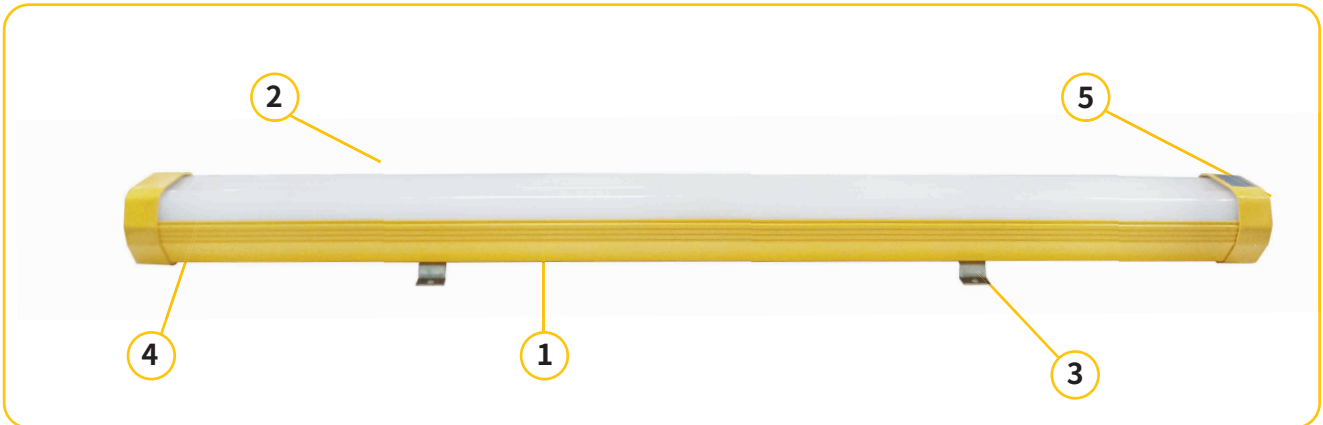
- ◆ CNEX

- ◆ IK10

- ◆ IP66



## Key Features:



- 1 Low-profile, lightweight design, high quality aluminum housing.
- 2 Impact resistant clear lens with Bayer original material
- 3 Stainless steel bracket for ceiling mount
- 4 Professional light distribution, uniform illumination through the entire space
- 5 With single-ended feedthrough or double-ended feedthrough optional

## Additional Features:

- ◆ Standard 6-12KV surge protection
- ◆ Feed-through capable
- ◆ Clear lens optional
- ◆ Enclosures attached to back brackets for pendant pole mount, pendant chain mount and 45 degree wall mount
- ◆ 5-year warranty

## Standard Materials:

- ◆ Side cover: ADC12
- ◆ Gaskets: one-piece neoprene
- ◆ Brackets: stainless steel
- ◆ Body: 6063 aluminum (less than 0.4% copper content) with yellow powdercoat
- ◆ Lens: polycarbonate

## Features & Benefits:

- 1 50,000 hrs lifetime
- 2 Superior color rendering index compared to HPS, LPS or MV
- 3 Low temperature applications to -40°C and high temperature up to 50°C.
- 4 Best-in-class efficacy-Up to 110 lumens per watt.
- 5 Professional light distribution design, uniform and comfortable lighting
- 6 Temperature compensation technology for longer life
- 7 Low maintenance costs and power consumption reduced by over 50%

## Catalog Number Logic

**Z21-BATT - U - 24 - C - 1 - 50 - XX**

1

2

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### 1 BASIC SERIES

- ◆ Z21-BATT

### 2 VOLTAGE/FREQUENCY

- ◆ U=100-277V 50/60Hz

### 3 LAMP WATTAGE

- ◆ 24=24 Watt
- ◆ 36=36 Watt
- ◆ 50=50 Watt
- ◆ 60=60 Watt
- ◆ 72=72 Watt
- ◆ 80=80 Watt

### 4 LENS

- ◆ C=Clear
- ◆ D=Diffused

### 5 NOMINAL FIXTURE LENGTH

- ◆ 1=300mm
- ◆ 2=600mm
- ◆ 4=1200mm

### 6 CCT

- ◆ 60=6000K CCT
- ◆ 40=4000K CCT
- ◆ 50=5000K CCT
- ◆ 30=3000K CCT

### 7 OPTIONS

- ◆ PP=Pendant Pole Mount
- ◆ PC=Pendant Chain Mount
- ◆ CA=Ceiling Mount A
- ◆ CB=Ceiling Mount B
- ◆ WA=Wall Mount A
- ◆ WB=Wall Mount B
- ◆ BC=Beam Clamp Mount
- ◆ PM=Pole Mount

Catalog logic is for explaining catalog number structure only.  
Not all combinations are possible; consult factory for catalog numbers not listed in charts.

## Certification Guide:

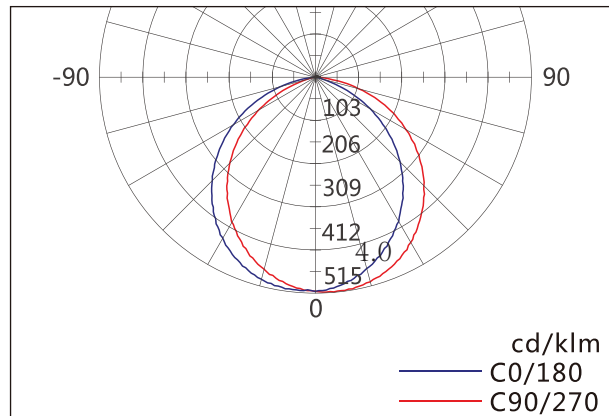
Model	Length	Wattage	Operating Voltage	Total Lumens	Lumen per Watt	CRI	CCT *	Ambient Temperature	Ex-mark for Gas	Ex-mark for Dust	Supply Wire Suitable Temperature
SYN-Z21-BATT0324	385mm	24W	100-277V 50/60Hz	2712	113	75	5034	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
SYN-Z21-BATT0636	685mm	36W	100-277V 50/60Hz	4212	117	75	5021	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
SYN-Z21-BATT1236	1285mm	36W	100-277V 50/60Hz	4680	130	75	5060	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
SYN-Z21-BATT1250	1285mm	50W	100-277V 50/60Hz	6250	125	75	5046	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
SYN-Z21-BATT1260	1285mm	60W	100-277V 50/60Hz	7380	123	75	5038	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
SYN-Z21-BATT1272	1285mm	72W	100-277V 50/60Hz	8424	117	74	5023	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
SYN-Z21-BATT1280	1285mm	80W	100-277V 50/60Hz	9120	114	75	5020	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C

\* All values typical unless otherwise stated (tolerance +/- 10%)

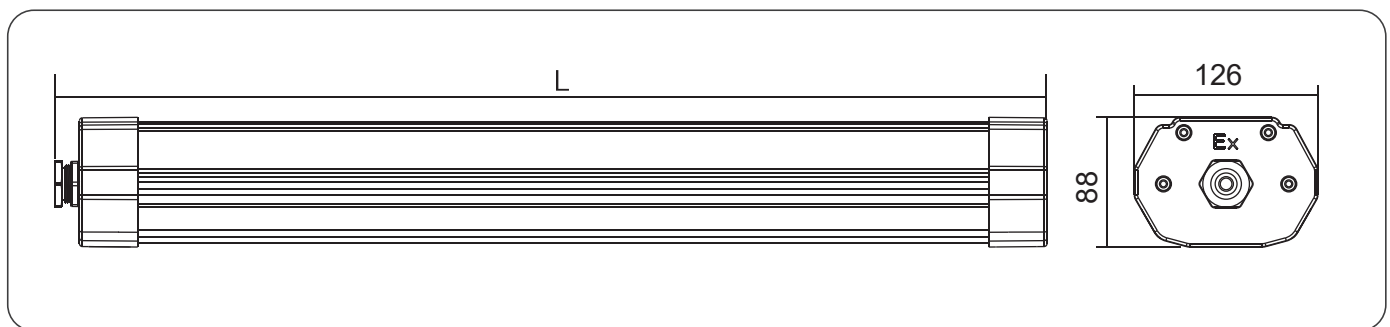
## Technical Data for Emergency:

Dimensions for Lighting	1285mm(36/50/60/72/80W)	Emergency Time	90Minutes
Input Voltage	100-277VAC, 50/60Hz	Recharge Time	24Hours
Output Voltage	25-48VDC	Battery Type	Ni-MH (Built-in)
Emergency Power	15W Max	Temperature Rating (Ambient)	0°C<Tamb<50°C

## Photometric Data:



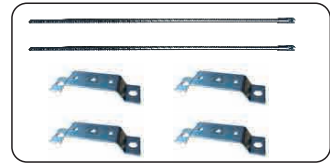
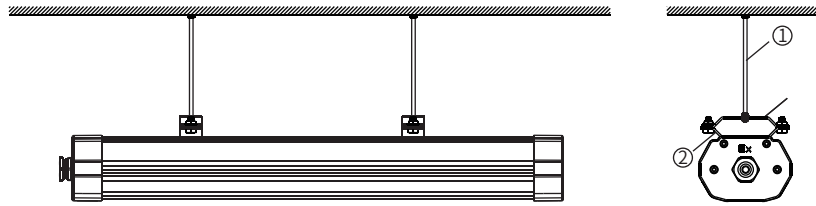
## Fixture Dimensions(mm):



Series	Dimensions(mm)	Net Weight(Kg)	Boxed Weight(Kg)	Shipping Volume(m <sup>3</sup> )
300mm models	L=385	2.8	4.0	0.014
600mm models	L=685	4.5	6.0	0.035
1200mm models	L=1285	7.5	9.7	0.063

## Accessories:

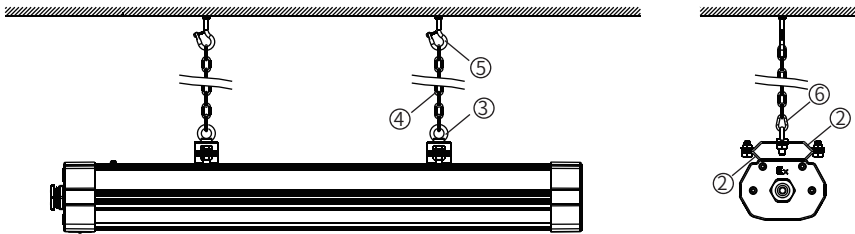
### Pendant Pole Mount



**Pendant Pole Mount**  
 Catalog Number:1011001  
 Qty: 1 kit  
 Shipping Weight: 0.64Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Pendant Pole Mount	1011001	①	M8 Screw Pole(L=500MM)	1011009	2	SUS304	0.2
		②	Bracket	1011008	4	SUS304	0.06

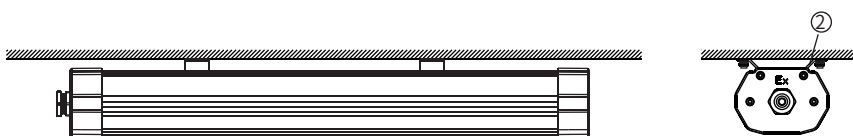
### Pendant Chain Mount



**Pendant Chain Mount**  
 Catalog Number:1011002  
 Qty: 1 kit  
 Shipping Weight: 0.66 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Pendant Pole Mount	1011002	②	Bracket	1011008	4	SUS304	0.06
		③	Lifting Bolt	1011010	2	SUS304	0.03
		④	Pendant Chain	1011011	2	SUS304	0.1
		⑤	Expansion Hook	1011012	2	SUS304	0.06
		⑥	Hanging buckle	1011013	2	SUS304	0.02

### Ceiling Mount A

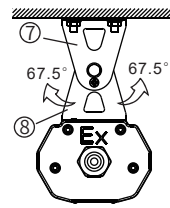
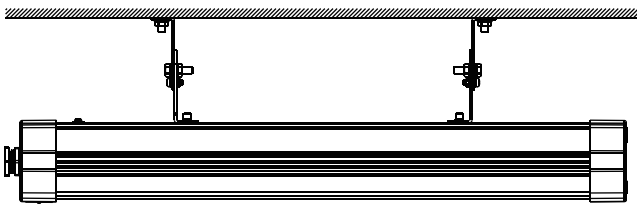


**Ceiling Mount A**  
 Catalog Number:1011003  
 Qty: 1 kit  
 Shipping Weight: 0.12 kg/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight((Kg/pcs)
Ceiling Mount A	1011003	②	Bracket	1011008	2	SUS304	0.06

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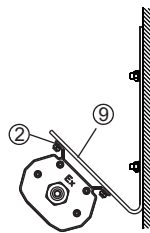
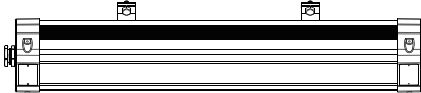
## Ceiling Mount B (adjustable angles)



**Ceiling Mount B**  
 Catalog Number:1011004  
 Qty: 1 kit  
 Shipping Weight: 0.48 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Ceiling Mount B (adjustable angles)	1011004	⑦	Bracket	1011014	2	SUS304	0.12
		⑧	Bracket	1011015	2	SUS304	0.12

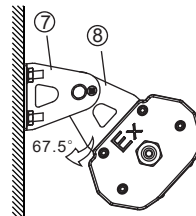
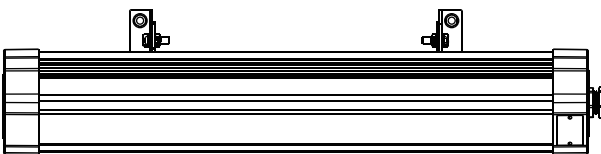
## Wall Mount A



**Wall Mount A**  
 Catalog Number:1011005  
 Qty: 1 kit  
 Shipping Weight: 0.28 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Wall Mount A	1011005	⑨	V-Shape Bracket	1011016	2	Q235	0.08
		②	Bracket	1011008	2	SUS304	0.06

## Wall Mount B (adjustable angles)

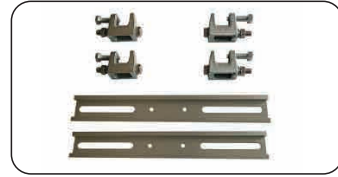
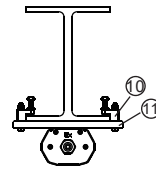
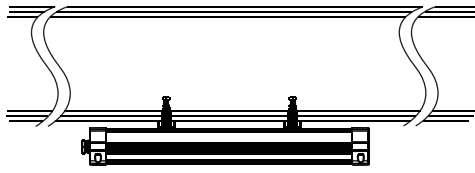


**Wall Mount B**  
 Catalog Number:1011004  
 Qty: 1 kit  
 Shipping Weight: 0.48 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Ceiling Mount B (adjustable angles)	1011004	⑦	Bracket	1011014	2	SUS304	0.12
		⑧	Bracket	1011015	2	SUS304	0.12

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## Beam Clamp Mount

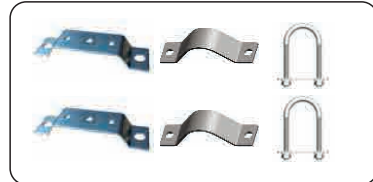
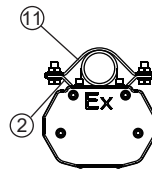
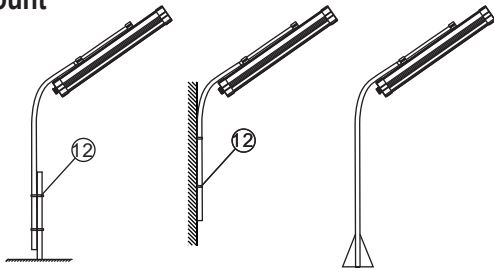


**Beam Clamp Mount**  
 Catalog Number:1011006  
 Qty: 1 kit  
 Shipping Weight: 0.64 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Beam Clamp Mount	1011006	⑩	Beam Clamp	1011017	4	SUS304	0.12
		⑪	Aluminum Groove *	1011018	2	6063	0.08

\* Suitable for steel I-beam with 4.33-8.26 inches width.

## Pole Mount



**Pole Mount**  
 Catalog Number:1011007  
 Qty: 1 kit  
 Shipping Weight: 0.34 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(Kg/pcs)
Pole Mount	1011007	②	Bracket	1011008	2	SUS304	0.06
		⑪	Hoop	1011019	2	SUS304	0.05
		⑫	U-Shape Pipe Clamp	1011020	2	SUS304	0.06

## Wiring Diagram:

