Specifications - ST36 LED Street Light

Version: 3.6

Electrical Information

Model No.	Pls refer to Product Code List for details
Power Consumption	
Input Voltage	AC 220-240V, AC120-240 VAC, 50 / 60 Hz
Power Factor	>0.94
Insulation Type	Class I or class II
Driver Type	Constant current (CC)
Control	Dimmable / Photocell/ DALI dimmable/Zhaga/ Microwave sensor/ PIR sensor

Optic Information

LED Type	LED 3030			
Efficacy (4000K RA70)	Pls refer to Product Code List for details			
Correlated Color Temperature	4000K (3000K, 5000K optional)			
Color Rendering Index	Ra70 (Ra80 optional)			
Beam Angle(glass cover)	R01601,R01602,R01603,R01604,R01605,R01606,R01607,R01609,R01610,R01611,R01613			
Beam Angle(PC lens cover)	R09401,R09402,R09404	R19001,R19002,R19004	R31801,R31802,R31804	
UGR level	N/A			

Description

This robust easier installation and maintenance and high-performance Mezzo ST36 LED street light brings comfort and safety to any road or street.

Dimensions and Mount

Product Dimension（Post Top）	Micro (454*220*303mm)	Mini (554*220*305mm)	Midi (609*270*306mm)	Maxi (679*285*308mm)
Product Dimension（Side Entry)	Micro (558*220*199mm)	Mini (658*220*201mm)	Midi (713*270*202mm)	Maxi (783*285*204mm)
Luminaire Net Weight(±0.3kg)	3.05	4.15	5.2	6.4
Export Carton Size	605*270*165mm	710*270*165mm	770*320*165mm	840*335*165mm
Gross Weight(±0.3kg)	4.7	5.9	7.2	8.5
Mounting Option	Post top mounting			
	Side entry mounting			
Material	Aluminum alloy			
	Tempered glass+Polycarbonate optical lens			
Finish	Akzo powder coating			
Fixture Color	Silvery grey(RAL9006)			
EPA	1.2ft²/0.11m²	1.48ft²/0.14m²	2.01ft²/0.19m²	2.38ft²/0.22m²
IK Rating(glass cover)	IK09			
IK Rating(PC lens cover)	IK10			
IP Rating	IP66			
Category of corrosion	C3			

Key Features

- Easy installation.
- High output lumen efficiency up to 165lm/w
- The housing is made of 100% aluminum alloy (ADC12)
- Akzo outdoor powder coating
- Easy maintenance
- ±15° adjustable
- Various mounting options.

Lifespan and Warranty

Operating Temperature	Class I : -30°C to + 50°C
	Class II : -30°C to + 40°C
Life Time of LED @Ta=25°C	
	82000hrs-L80
	131000hrs-L70
Warranty	5 years

Applications

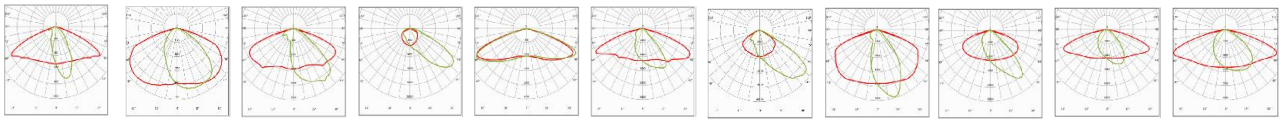
- Parking lots
- Traffic routes
- Residential areas
- Plazas

New Features

** Please consult us for details.*

Photometry

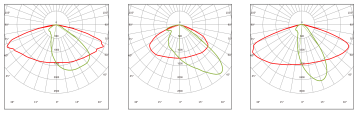
Glass version



R01601 R01602 R01603 R01604 R01605 R01606 R01607 R01609 R01610 R01611 R01613

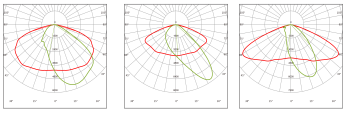
PC lens version

For Micro



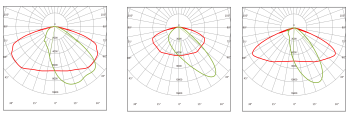
R09401 R09402 R09404

For Mini



R19001 R19002 R19004

For Midi



R31801 R31802 R31804

Product Code List

Product code	Min.Power	Typ.Power	Max.Power	Size	Input voltage	Insulation Type	Control Mode	Driver	Surge protection	Efficacy (4000K Ra70±10%)
ST36-020/H	15W	20W	20W	Micro	AC100-240V, 50-60HZ	class I	Nodim and 1-10V dim	MOSO	4KV L-N, 6KV L/N-G	160lm/W
ST36-030/H	25W	30W	30W							
ST36-040/H	35W	40W	40W							
ST36-060/H	45W	60W	60W	Mini			Nodim and 0-10V dim		5KV L-N,10KV L/N-G	
ST36-075/H	65W	75W	75W							
ST36-100/H	80W	100W	100W							
ST36-120/H	105W	120W	120W	Midi						
ST36-150/H	125W	150W	155W							
ST36-180/H	160W	180W	185W							
ST36-200/H	190W	200W	210W	Maxi						
ST36-230/H	215W	230W	230W							
ST36-020/HM	15W	20W	20W	Micro	AC100-240V, 50-60HZ	class I	Motion Sensor	SOSEN	6KV L-N,10KV L/N-G	160lm/W
ST36-030/HM	25W	30W	30W							
ST36-040/HM	35W	40W	40W							
ST36-060/HM	45W	60W	60W	Mini						
ST36-075/HM	65W	75W	75W							
ST36-100/HM	80W	100W	100W	Midi						
ST36-120/HM	105W	120W	120W							
ST36-150/HM	125W	150W	155W							
ST36-180/HM	160W	180W	185W	Maxi						
ST36-200/HM	190W	200W	210W							
ST36-020/HP	15W	20W	20W	Micro	AC100-240V, 50-60HZ	class I	PIR Sensor	SOSEN	6KV L-N,10KV L/N-G	160lm/W
ST36-030/HP	25W	30W	30W							
ST36-040/HP	35W	40W	40W							
ST36-060/HP	45W	60W	60W	Mini						
ST36-075/HP	65W	75W	75W							
ST36-100/HP	80W	100W	100W	Midi						
ST36-120/HP	105W	120W	120W							
ST36-150/HP	125W	150W	155W							
ST36-180/HP	160W	180W	185W	Maxi						
ST36-200/HP	190W	200W	210W							
ST36-020A/H	15W	20W	20W	Micro	AC100-240V, 50-60HZ	class I	Nodim and 1-10V dim	MOSO	4KV L-N, 6KV L/N-G	165lm/W
ST36-030A/H	25W	30W	30W							
ST36-040A/H	35W	40W	40W							
ST36-060A/H	45W	60W	60W	Mini			Nodim and 0-10V dim		5KV L-N,10KV L/N-G	
ST36-075A/H	65W	75W	75W							
ST36-100A/H	80W	100W	100W							
ST36-120A/H	105W	120W	120W	Midi						
ST36-150A/H	125W	150W	155W							
ST36-180A/H	160W	180W	185W							
ST36-020/IIH	15W	20W	20W	Micro	AC220-240V, 50-60HZ	class II	Nodim and 1-10V dim	PHILIPS	6KV L-N,10KV L/N-G	160lm/W
ST36-030/IIH	25W	30W	30W							
ST36-040/IIH	35W	40W	40W							
ST36-060/IIH	45W	60W	60W	Mini						
ST36-075/IIH	65W	75W	75W							
ST36-100/IIH	80W	100W	100W							
ST36-120/IIH	105W	120W	120W	Midi						
ST36-150/IIH	125W	150W	155W	Maxi						
ST36-180/IIH	160W	180W	185W					TRIDONICS		
ST36-200/IIH	190W	200W	210W							
ST36-020/IIHZA	15W	20W	20W	Micro	AC220-240V, 50-60HZ	class II	ZHAGA	TRIDONICS	6KV L-N,10KV L/N-G	160lm/W
ST36-030/IIHZA	25W	30W	30W							
ST36-040/IIHZA	35W	40W	40W							
ST36-060/IIHZA	45W	60W	60W	Mini						
ST36-075/IIHZA	65W	75W	75W	Midi						
ST36-100/IIHZA	80W	100W	100W							
ST36-120/IIHZA	105W	120W	120W							
ST36-150/IIHZA	125W	150W	155W	Maxi						
ST36-180/IIHZA	160W	180W	185W							
ST36-200/IIHZA	190W	200W	210W							

* Product code reference:/H means high efficiency, /II means class II isolation, /D means DALI dim, /ZA means ZHAGA, /M means Motion Sensor /P means PIR Sensor, A/H means PC optic lens cover only.
* Photocell and ZHAGA control optional.

Mounting Options

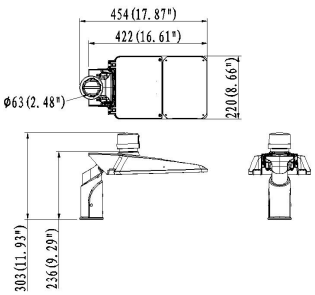
Side entry mount

Post top mount

Dimensions

Post top mount

Unit:mm



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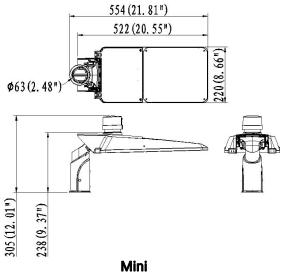

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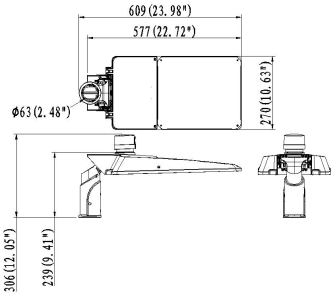

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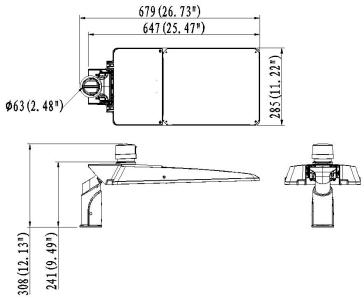
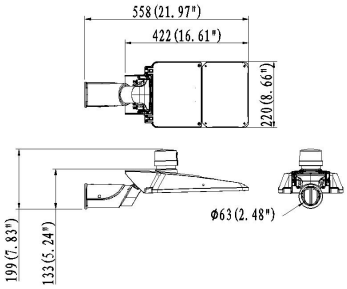


Maxi

Side entry mount



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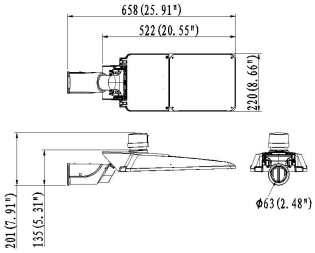

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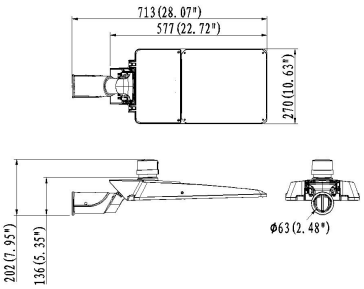

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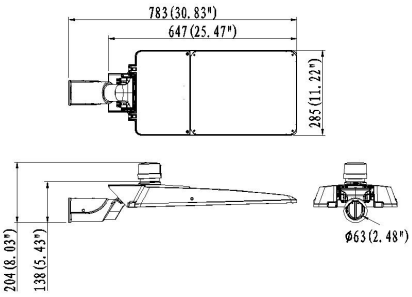

Maxi

Accessories

NEMA socket

ANSI C136.41-2013 Dimming Receptacles, 3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

Photocell control

ANSI C136.10-1996 Twist Lock for On-Off function only

Code: PS-A00-01

Shorting cap

Cover NEMA socket when the photocell is not used.

Code: NS-A00-01

Plug and play motion sensor

12Vdc input,IP65 rating,
max detect height is 15m.

Code: ANT-5-4T(Microvawa Sensor)
Code: ANT-6-4T(PIR Sensor)

ZHAGA receptacle

Compliant with Zhaga Book 18.

Code: ZG-A00-01

Pole mount spigot

ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

Wall mount adaptor

Q235+SPCC materials with outdoor powder coating.

Code: SP-R03-18

T shape pole mount adaptor

Q235+SPCC materials with hot dip galvanizing, for 100x100mm square pole.

Code: SP-R03-07

T shape pole mount ada ptor

Q235 materials with hot dip galvanizing, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)
Code: SP-R03-08 a(for dia.90mm)

L shape pole mount adaptor

Q235+SPCC m aterials with hot dip galvanizing, for 100x100mm square pole.

Code: SP-R03-10

L shape pole mount adaptor

Q235 materials with hot dip galvanizing, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)
Code: SP-R03-09 a(for dia.76mm)
Code: SP-R19-01(for dia.60mm)

Corner mount adaptor

SPCC materials with hot dip galvanizing.

Code: SP-R19-02

Quad adaptor

Q235 materials with hot dip galvanizing, 90° 4 ways

Code: SP-R03-15 (for dia.90mm)

Triple adaptor

Q235 materials, with hot dip galvanizing ,90° 3 ways

Code: SP-R03-14 (for dia. 90mm)

Twin adaptor

Q235 materials with hot dip galvanizing , 90° 2 ways

Code: SP-R03-13 (for dia 90mm pole)

Post top mount adaptor

Q235 materials with hot dip galvanizing , 76mm to 60mm Adaptor

Code: SP-R03-16 (for dia 76mm pole)