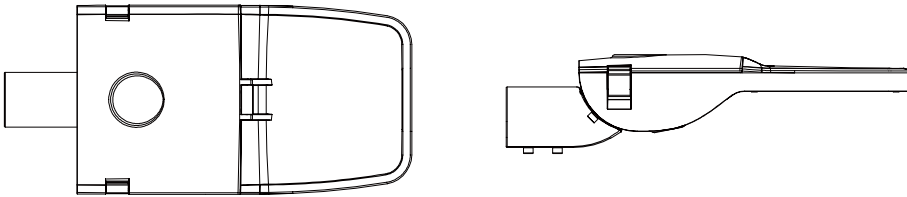




FYTLED



## T68 Nero Streetlight

30W/40W/50W/60W/80W/100W/120W/150W

### Features

- Extremely energy efficient – up to 140 lm/w
- High Luminous flux – up to 21.000 lm
- Maintenance flap for quick access to the driver compartment
- Excellent heat dissipation and modern design
- Slim and compact profile for maximum wind resistance
- No wires are being exposed to the sun and rain
- Durable and long-lasting power driver (flicker-free for models above 50W)
- Circuit interrupter for maintenance access
- Adjustable installation angel
- IP66 for all weather conditions
- 10 years warranty

### Options

- Daylight sensor and motion sensor available
- Daylight sensor can be on the upper side or the downside
- Optional 20KV Surge Protection upgrade
- CRI 80 Ra available upon request

### Area of application

- Residential roads and streets
- Parks and parking lots
- Loading areas and sporting venues

### Certificates

- European market: TUV, GS, CB, D-Mark, CE
- Australian market: SAA, CTick, RMC



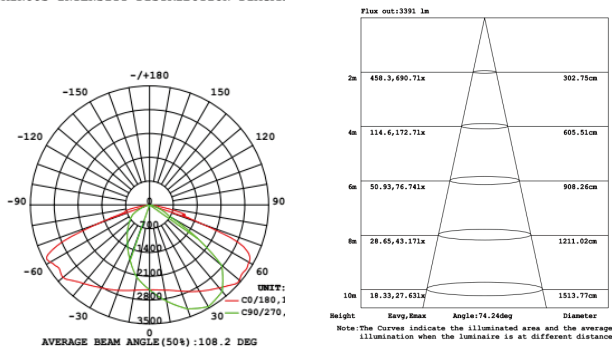
**Modern** Streetlights play a vital role when it comes to the safety and security on our streets, in parks and in urban areas. Our Nero Streetlight Series (T68) was designed to contribute to these aspects while still being affordable and without compromising on light quality or energy efficiency. During daytime the aesthetic yet unobtrusive design will perfectly blend-in while during dark hours its full long-lasting potential will unfold and illuminate where safety and security are essential. A wide wattage range from 20W to 150W, lenses for different beam angles and a suitable selection of slip-fitters for different pole sizes guaranty the right setup for most areas of application. If needed a quick maintenance flap allows fast and easy access to the driver compartment. Optional daylight and motion sensors potentially enhance power savings and reduce unwanted light pollution.



## Light Distribution Curve and Average E (LX) Figure---5000K

80W

LUMINOUS INTENSITY DISTRIBUTION DIAGRA



## Basic Specifications

Standard lumen (140lm/W)

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
400-T68-30W	30W	AC100~277V 50~60Hz	130±10	3900±300	140°70° 140°40°	56pcs EMC3030	>70Ra
400-T68-40W	40W		130±10	5600±400		63pcs EMC3030	
400-T68-50W	50W		130±10	6500±500		63pcs EMC3030	
450-T68-60W	60W		135±10	8100±600		126pcs EMC3030	
450-T68-80W	80W		130±10	10400±800		126pcs EMC3030	
500-T68-100W	100W		135±10	13500±1000		168pcs EMC3030	
500-T68-120W	120W		130±10	15600±1200		168pcs EMC3030	
500-T68-150W	150W		130±10	19500±1500		224pcs EMC3030	

## Electrical datas

Operating frequency	47-63Hz
Type of current	AC 100~277V
Power factor λ	>0.9
Efficiency in %	>92%
Start time (0.2s / 0.5s / ...)	0.1S
Warm-up time to 60% (1.5s / 2s / ...)	0.5S

## Photometrical data

Available light colors	Warm white; Natural white; daylight white
Available color temperatures	3000K; 4000K; 5000K; 6000K
Color rendering index Ra	>70
Standard deviation of color matching	<5
UGR (Unified Glare Rating)	<27
Available beam angles	140°70° 140°40°

## Standards & Certification

Type of protection	IP66	Heatsink temperature	-20~+69 °C
Tested dielectric strength	3.75KVac	Ambient temperature	-30~+40 °C
Safety features	Open circuit protection; Short circuit protection; Overvoltage protection	Storage temperature	-40~+80 °C
Certificates	European market: TUV, GS, CB, D Mark, CE Australian market: SAA, CTick, RMC		
Energy efficiency class	A++		

## Temperatures & operating conditions

### Lifespan

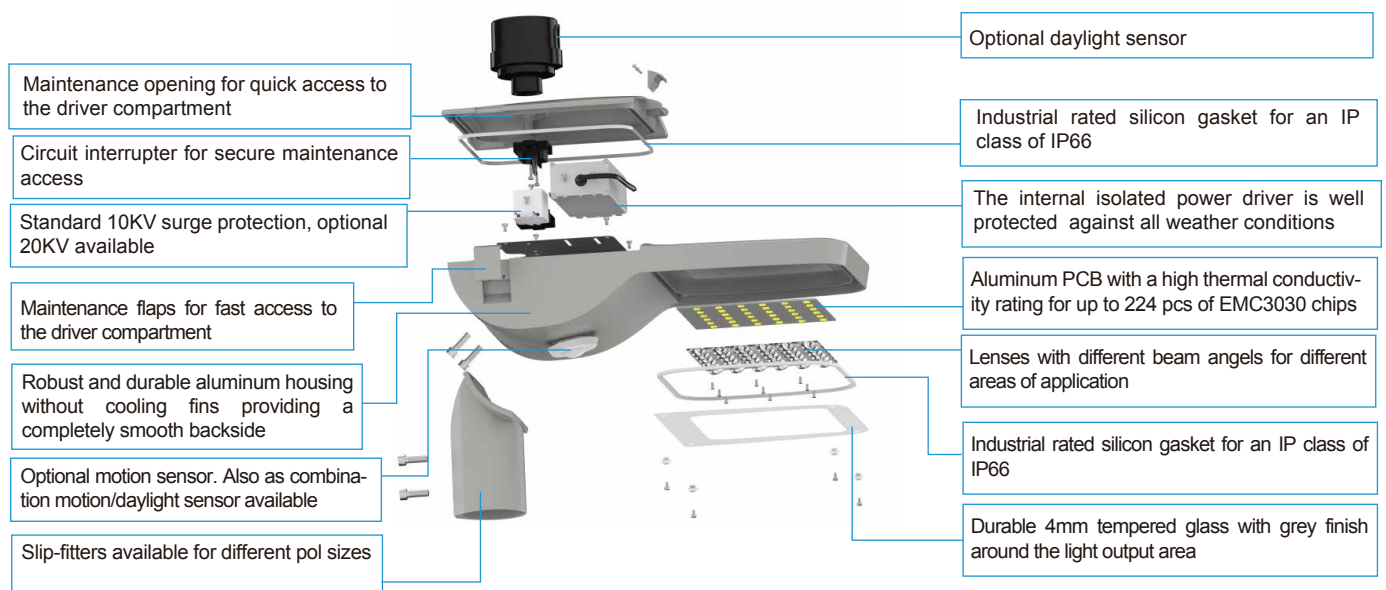
Rated nominal Lifetime	100.000 hours	Base/Socket	Directly wired
Switching cycles	100.000 times	Dimmable	1-10V dimmable, DALI dimmable,
Lumen maintenance at e.o.l.	80%	Warranty	10 years warranty
LED Device Lifetime	L70 / B50		

### Features/Capabilities and additional product data

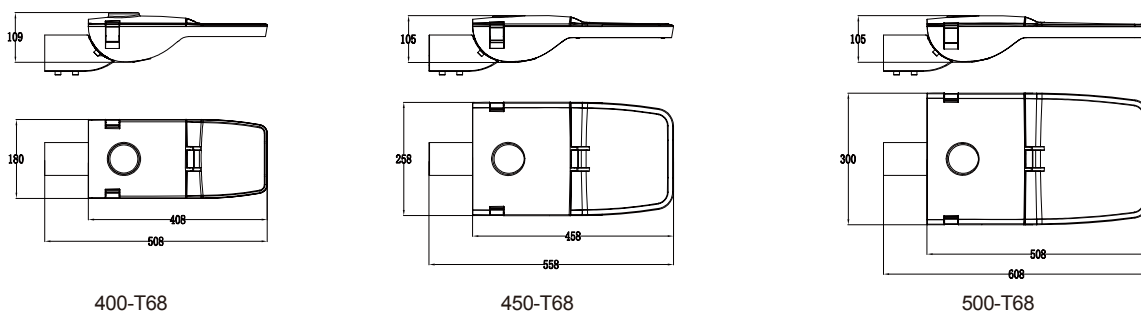
### Packing Information

Model	Dimension	CTN SIZE (CM)	QTY/CTN	Net Weight/pcs (kg)	Gross Weight /CTN(kg)
T68-30W/40W/50W	508*180*109MM	67*28.5*22.5	1PCS	5	6.6
T68-60W/80W	558*258*105MM	67*34.5*22.5	1PCS	6.7	8.5
T68-100W/120W	608*300*105MM	72*39.5*22.5	1PCS	8.2	9.2
T68-150W	608*300*105MM	72*39.5*22.5	1PCS	8.4	9.4

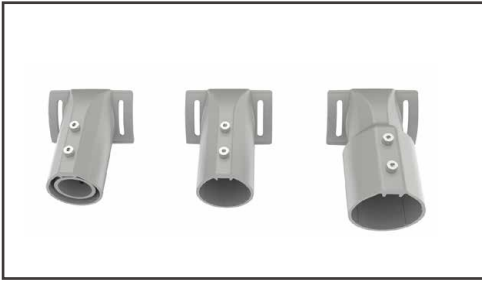
### Exploded drawing



### Dimension (mm)



## Optional accessories



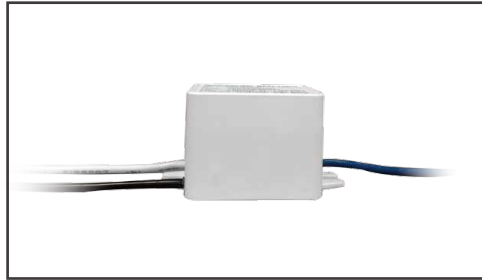
Slip-Fitters for different pole diameters are available



Optional daylight sensor available



Optional motion sensor or daylight/motion sensor combination available



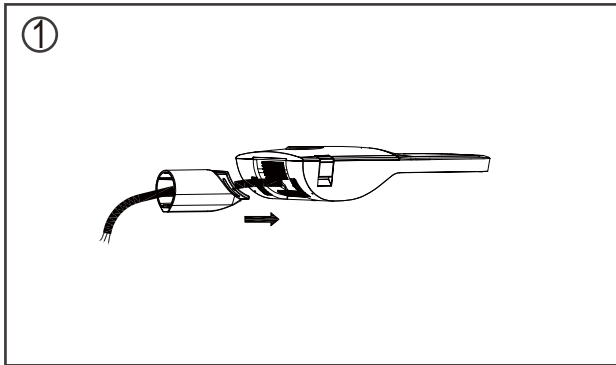
Optional 20KV surge protection available

## Application and safety notes

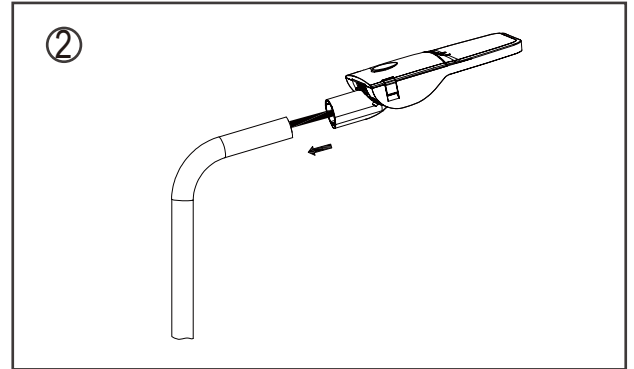
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local building and electrical codes.
- The product must not be damaged or operated in a damaged condition.
- This luminaire must be directly wired on line. Any ballast or other power device previously used with the replaced luminaire must be removed.
- Between the luminaire and any possibly flammable material must be an appropriate safety space (at least 20cm).
- The luminaire must not be covered with heat insulating materials.
- Always provide proper ventilation around the luminaire and do not exceed the maximum ambient temperature.
- Compared to traditional lights the characteristic light distribution of this LED luminaire may differ. In order to be sure to meet your lighting requirements a photometric check of the installation is recommended.

## Installation Instruction

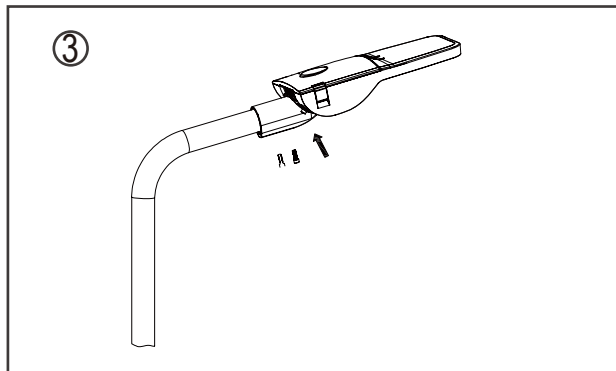
- Mount the fixture on the pole; first inserting the cable into the pole and then place the slip-fitter on the pole
- Secure the fixture by tightening the two screws
- Open the maintenance opening at the bottom of the pole
- Connect the cable to the power line



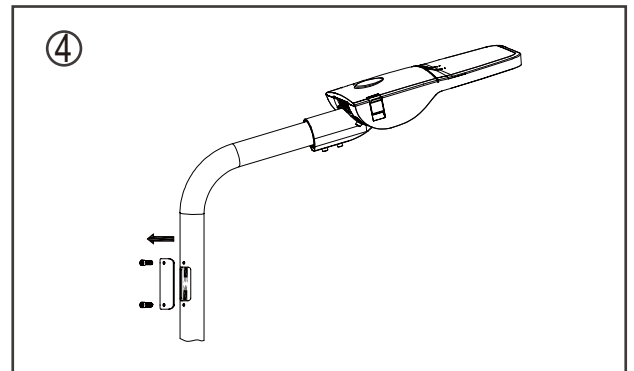
Install the slip-fitter on the fixture



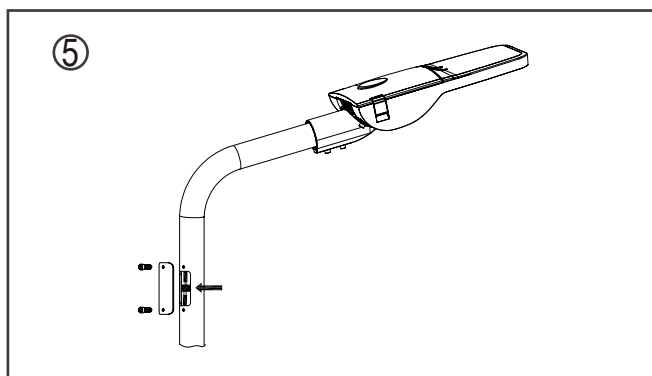
Mount the fixture on the pole



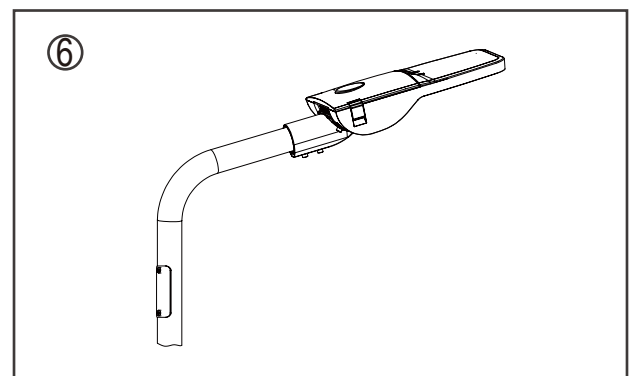
Secure the fixture by tightening the two screws



Open the maintenance flap of the pole



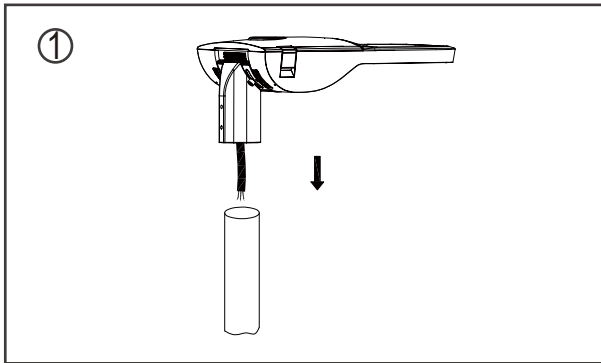
Connect the fixture to the power line



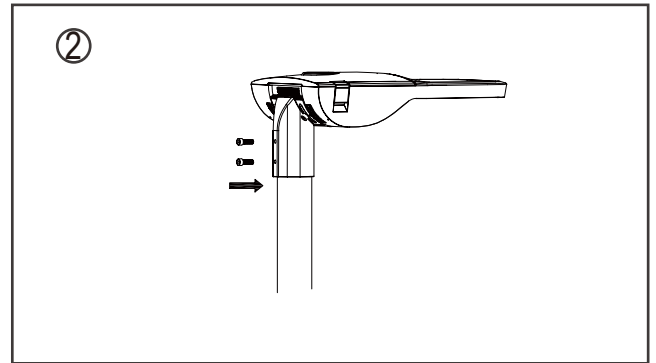
Close the maintenance flap

## Vertical Installation Instruction

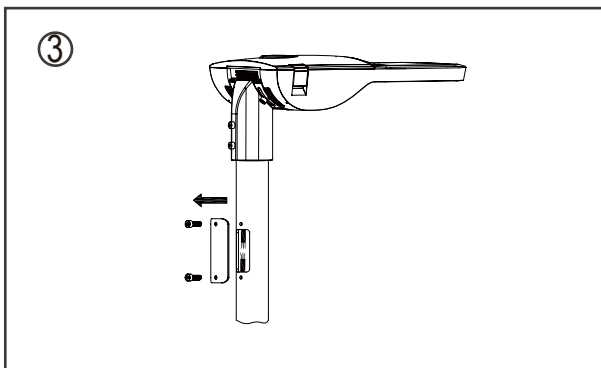
- Remove the screws holding the slip-fitter and then remove the slip-fitter
- Turn the slip-fitter around and secure it in the new position



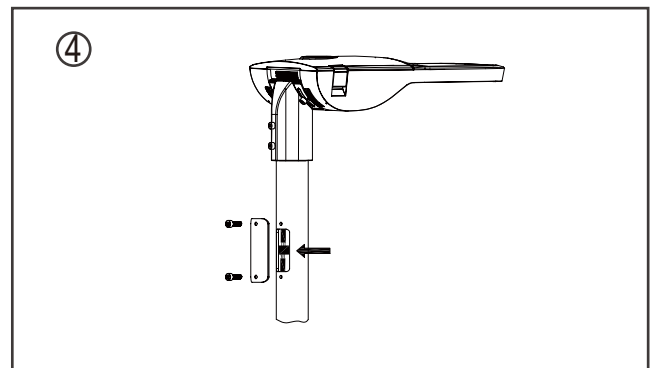
Mount the fixture on the pole



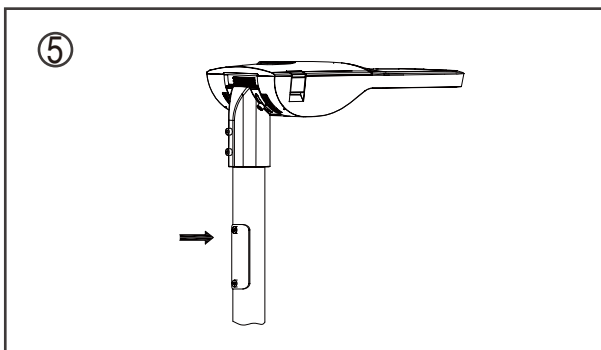
Secure the fixture by tightening the two screws



Open the maintenance flap of the pole



Connect the fixture to the power line



Close the maintenance flap

## Maintenance

- To avoid injuries, disconnect power to the fixture and allow the unit to cool down before performing maintenance.
- Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on an annual basis. Frequency of use and environment should determine this.
- The glass cover should be cleaned periodically as needed to ensure continued photometric performance. Clean the cover with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.
- Inspect the topside on the luminaire to ensure that it is free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.

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