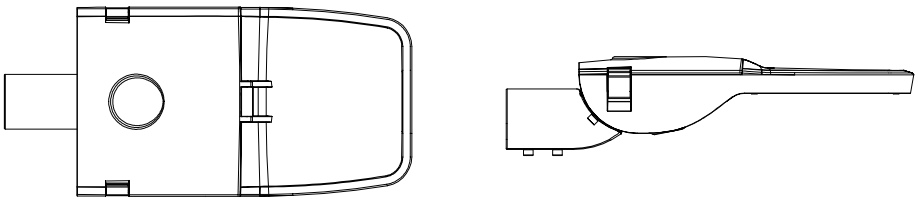
FYTLED



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 angle
IP66 for all weather conditions
5 years warranty

Options

Daylight sensor and motion sensor available
3pin, 5pin, 7pin NEMA base
Corrosion-resistant coating for seaside application
Class II luminaire
Electrical disconnector
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

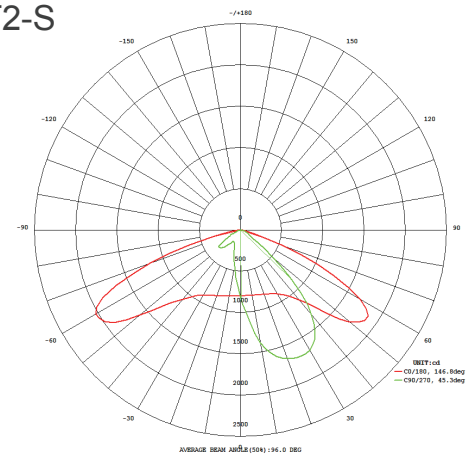
European market: ENEC, TUV, GS, CB, CE, RoHS
Australian market: SAA, C-Tick, RCM

Modern

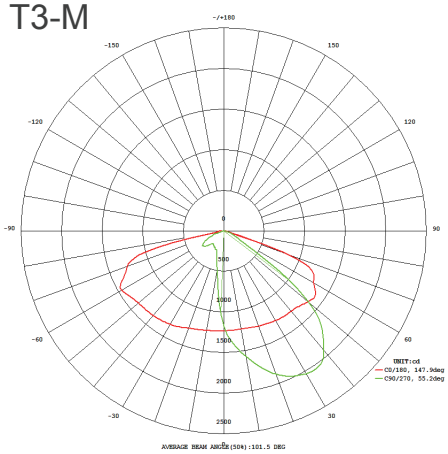
Streetlights play a vital role when it comes to the safety and security on our streets, in parks and in urban areas. Our Nero Streetlight Series (T68) was designed to contribute to these aspects while still being affordable and without compromising on light quality or energy efficiency. During daytime 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 pol 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

T2-S



T3-M



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
T68-30W	30W	AC100~277V 50~60Hz	140±10	4200±300	T2-S T3-M	16pcs 5W EMC5050	>70Ra
T68-40W	40W		140±10	5600±400		16pcs 5W EMC5050	
T68-50W	50W		140±10	7000±500		16pcs 5W EMC5050	
T68-60W	60W		140±10	8400±600		36pcs 5W EMC5050	
T68-80W	80W		140±10	11200±800		36pcs 5W EMC5050	
T68-100W	100W		140±10	14000±1000		48pcs 5W EMC5050	
T68-120W	120W		140±10	16800±1200		48pcs 5W EMC5050	
T68-150W	150W		140±10	21000±1500		64pcs 5W EMC5050	

Electrical datas

Operating frequency	47-63Hz	Available light colors	Warm white;Natural white; daylight white
Type of current	AC100~277V	Available color temperatures	3000K;4000K;5000K;6000K
Power factor λ	>0.9	Color rendering index Ra	>70
Efficiency in %	>92%	Standard deviation of color matching	< 5
Start time (0.2s / 0.5s / ...)	0.1S	UGR (Unified Glare Rating)	<27
Warm-up time to 60 % (1.5s / 2s / ...)	0.5S	Available beam angles	T2-S T3-M

Standards & Certification

Type of protection	IP66
Tested dielectric strength	3.75KVac
Safety features features	Open circuit protection ; Short circuit protection ; Over voltage protection
Certificates	ENEC, TUV, GS, CB, CE, RoHS SAA, C-Tick,RCM
Energy efficiency class	A++

Temperatures & operating conditions

Heatsink temperature	-20~+69℃
Ambient temperature	-30~+40℃
Storage temperature	-40~+80℃

Lifespan

Rated nominal Lifetime	100.000 hours
Switching cycles	100.000 times
Lumen maintenance at e.o.l.	80%
LED Device Lifetime	L90 / B50

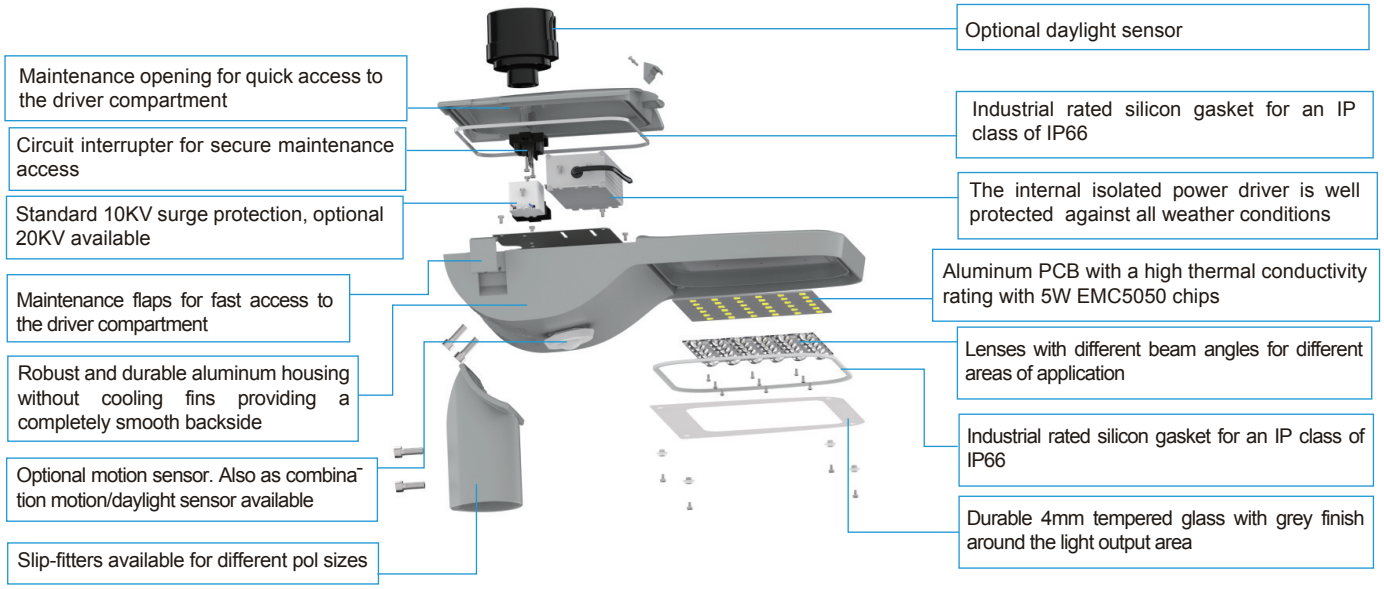
Features/Capabilities and additional product data

Base/Socket	Directly wired
Dimmable	1-10V dimmable, DALI dimmable
Warranty	5 years warranty

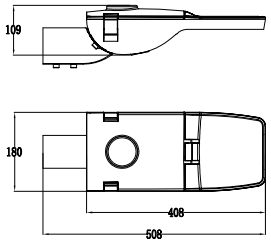
Packing Information

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

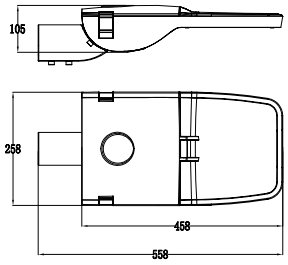
Exploded drawing



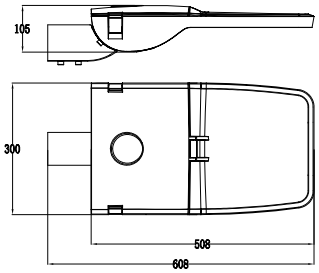
Dimension (mm)



30W/40W/50W

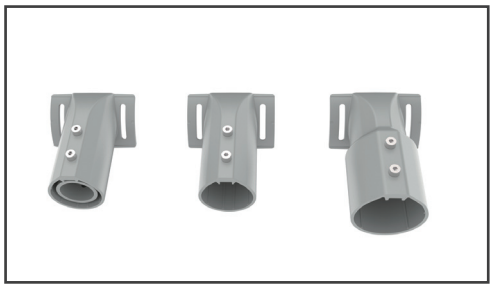


60W/80W

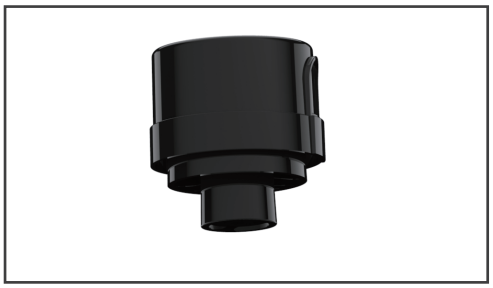


100W/120W/150W

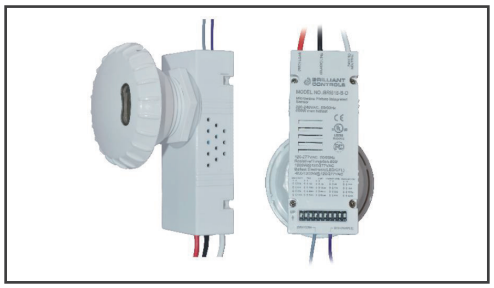
Optional accessories



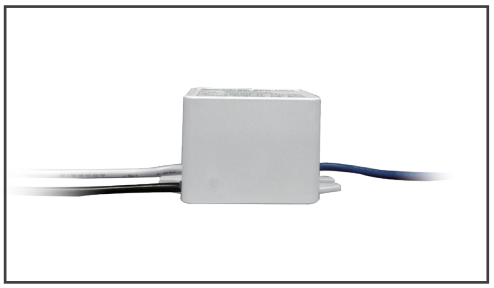
Slip-Fitters for different pole diameters are available



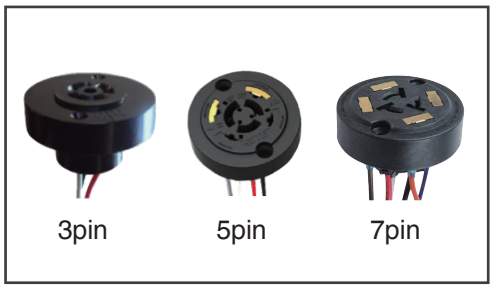
Optional daylight sensor available



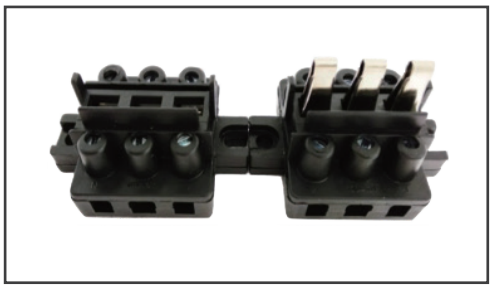
Optional motion sensor or daylight/motion sensor combination available



Optional 20KV surge protection available



NEMA base



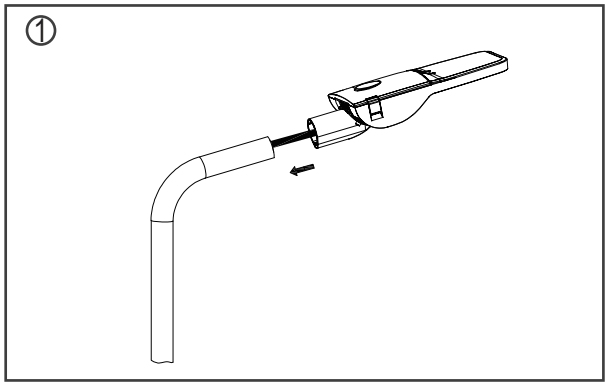
Electrical disconnector

Application and safety notes

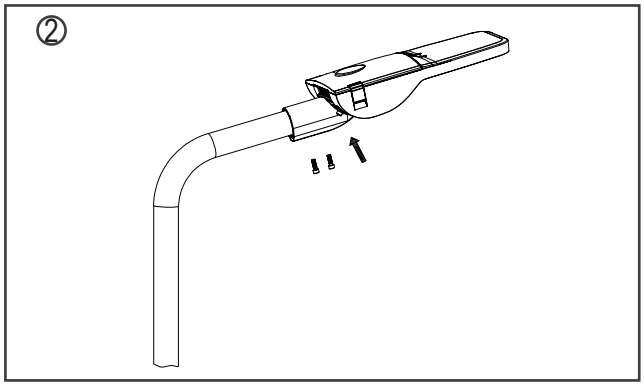
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local 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 require ments a photometric check of the installation is recommended.

Installation Instruction

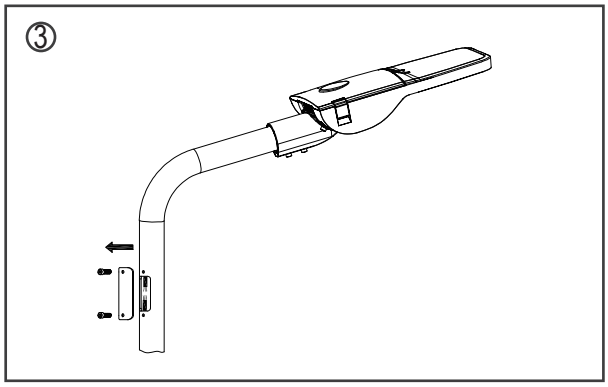
- Mount the fixture on the pole; first inserting the cable into the pole and then place the slip-fitter on the pole
- Secure the fixture by tightening the two screws
- Open the maintenance opening at the bottom of the pole
- Connect the cable to the power line



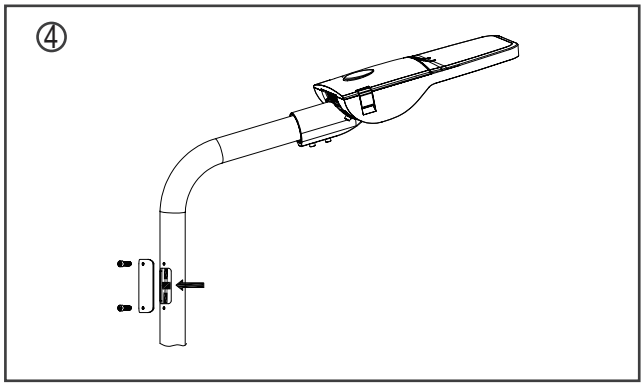
Mount the fixture on the pole



Secure the fixture by tightening the two screws



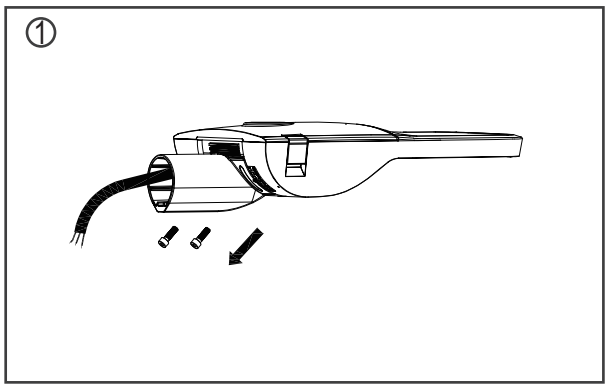
Open the poles maintenance opening



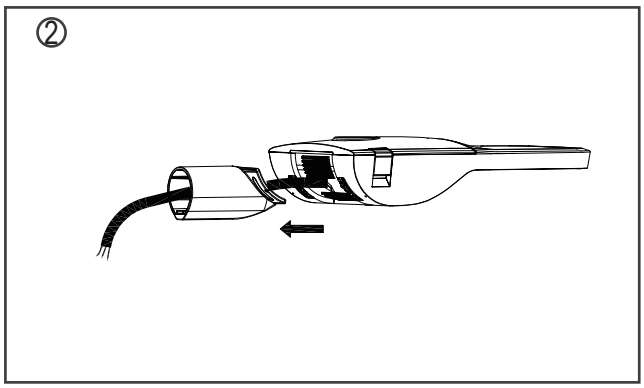
Connect the fixture to the power line

Vertical Installation Instruction

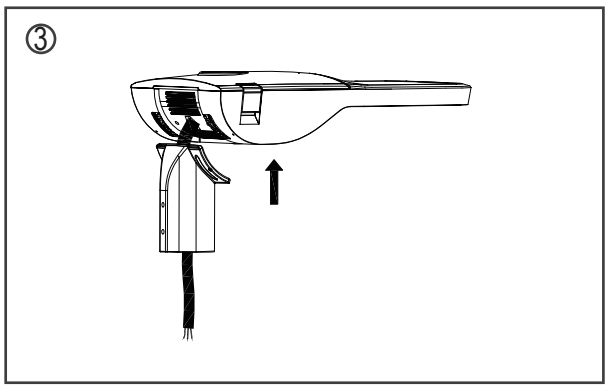
- Remove the screws holding the slip-fitter and then remove the slip-fitter
- Turn the slip-fitter around and secure it in the new position



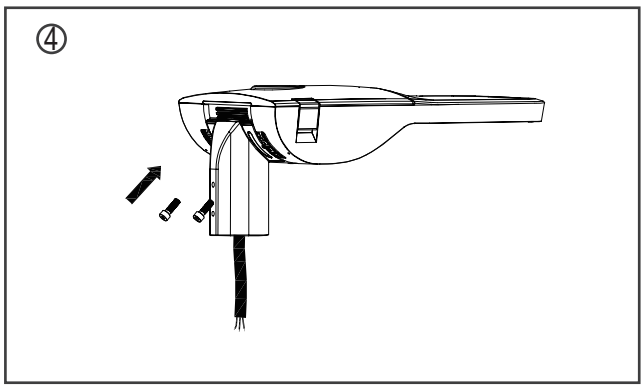
Remove the screws holding the slip-fitter



Remove the slip-fitter



Turn the slip-fitter around and fit it to the fixture



Screw the slip-fitter to the fixture

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.