



60W/100W/120W/150W



200W



250W/300W



Square Pole Mount



Slip Fitter Mount



Yoke Mount



Round Pole Mount

DENA LED SERIES PARKING LOT FIXTURES

Highly energy efficient - up to 140lm/w
60W/100W/120W/150W/200W/250W/300W

Features

- Excellent heat dissipation with modern and durable design
- Easy maintenance
- No wires being exposed to the sun and rain
- Highly energy efficient - up to 140lm/w
- Slim, state-of-the-art, low profile design maximizes wind resistance
- IP65 rated, suitable for Wet Locations
- 5 Years warranty



Options

- Several beam angel options: Type2, Type3, Type4, Type5
- 1-10V dimmable available
- Photocell sensor available

Area of application

- Parking lots & Streets
- Walkways and building grounds
- Downtown areas and neighborhoods

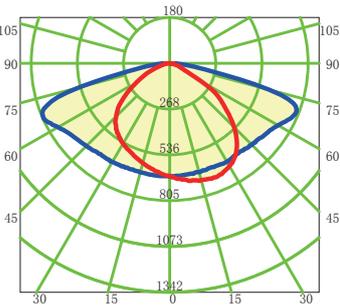
ORDER NOW

DENA Series LED fixtures bring a uniform lighting experience to large spaces. It was built for parking lots, downtown areas, neighborhoods, walkways and building grounds. Thanks to a variety of mounting options, available wattages and beam angels it can be configured to fit most requirements. Its new and efficient heat sink design allows for a small and modern housing shape while ensuring excellent heat dissipation. The optional photocell daylight sensor provides a smart way of further increasing the energy savings while assuring that the right level of brightness is given as needed.

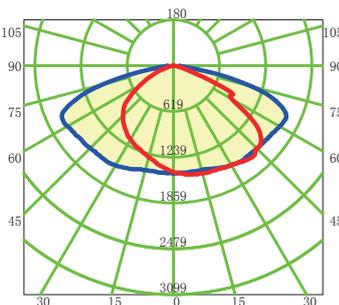


Light Distribution Curve and Average E (LX) Figure---5000K

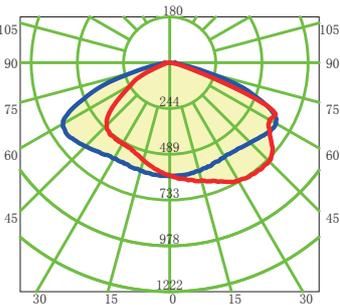
Type2



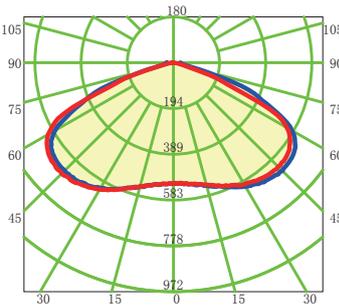
Type3



Type4



Type5



Basic Specifications

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
DN_T60-60W	60	AC 100~277V 50~60Hz	140±5	8400±300	Type 2 Type 3 Type 4 Type 5	140PCS EMC 3030	> 70Ra
DN_T60-100W	100		140±5	14000±500		140PCS EMC 3030	
DN_T60-120W	120		140±5	16000±600		140PCS EMC 3030	
DN_T60-150W	150		140±5	20300±700		140PCS EMC 3030	
DN_T60-200W	200		140±5	28000±1000		280PCS EMC 3030	
DN_T60-250W	250		140±5	35000±1200		420PCS EMC 3030	
DN_T60-300W	300		140±5	41000±1500		420PCS EMC 3030	

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	< 3
UGR (Unified Glare Rating)	< 27
Available beam angles	Type 2/Type 3/Type 4/Type 5



Standards & Certification

Type of protection	Ip65	Operating temp	-20~+70 °C
Tested dielectric strength	3.75KVac	Ambient temperature	-30~+40 °C
Safety features features	Open circuit protection; Short circuit protection; Overvoltage protection	Storage temperature	-40~+80 °C
Certificates	American market: UL, DLC Premium, cUL European market: CE (EMC, LVD, RoHS)		
Energy efficiency class	A+ & A++		

Temperatures & operating conditions

Lifespan

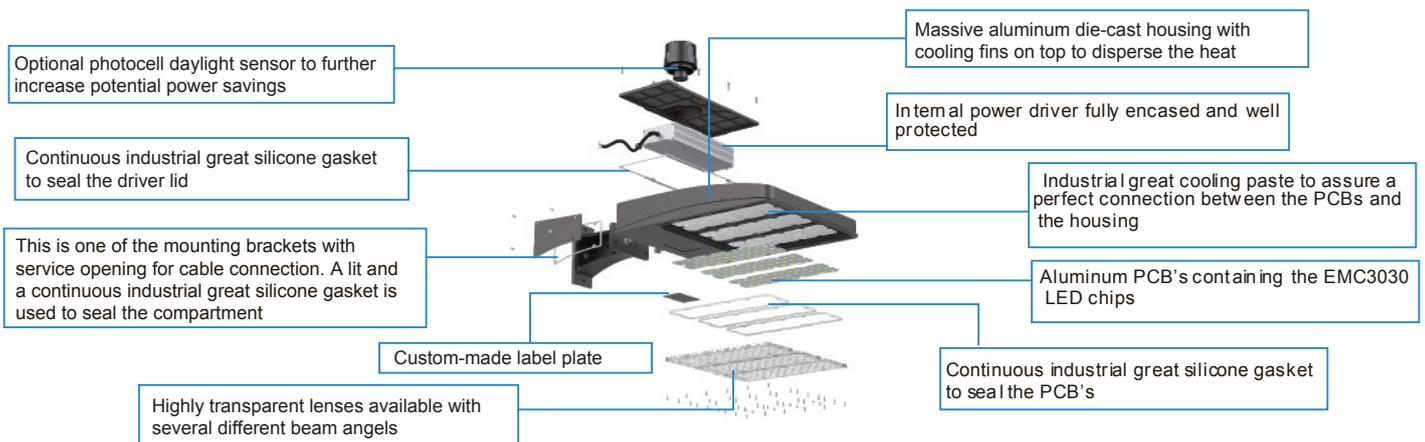
Rated nominal Lifetime	50.000 hours	Base/Socket	Directly wired
Switching cycles	100.000 times	Dim mable	1-10V dimmable, DALI dimmable
Lumen maintenance at e.o.l.	70%		

Features/Capabilities and additional product data

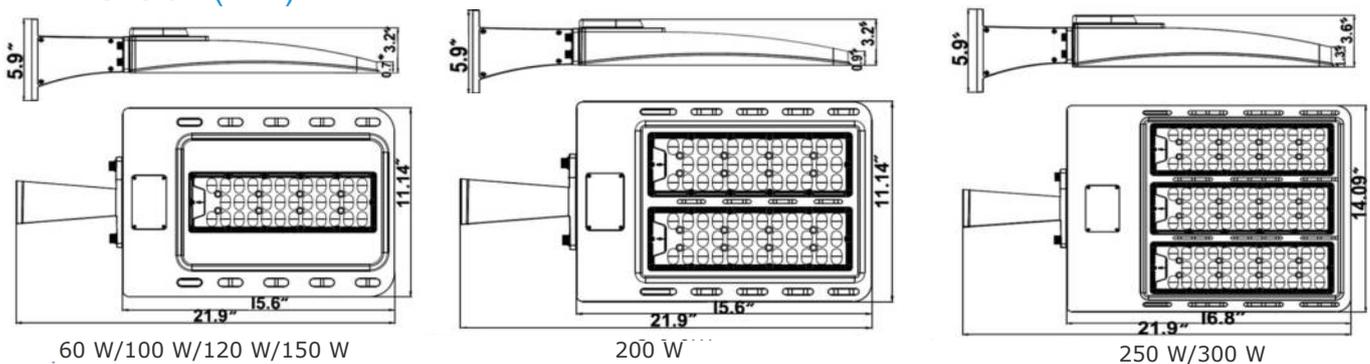
Packing Information

Model	Dimension (MM)	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs(kg)	Gross Weight /CTN(kg)
T60B-60W/100W/ 120W/150W	583*283*150	65*35*19	1PCS	5.5	8.6
T60B-200W	583*283*150	65*35*19	1PCS	6.8	9.8
T60B-250W/300W	613*358*150	68*43*19	1PCS	9.6	13.8

Exploded drawing



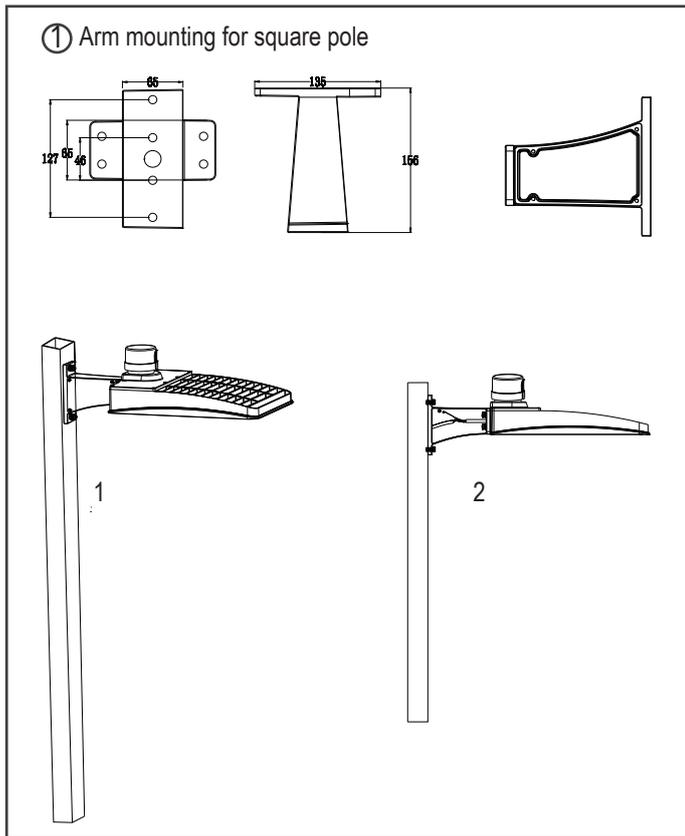
Dimension (mm)



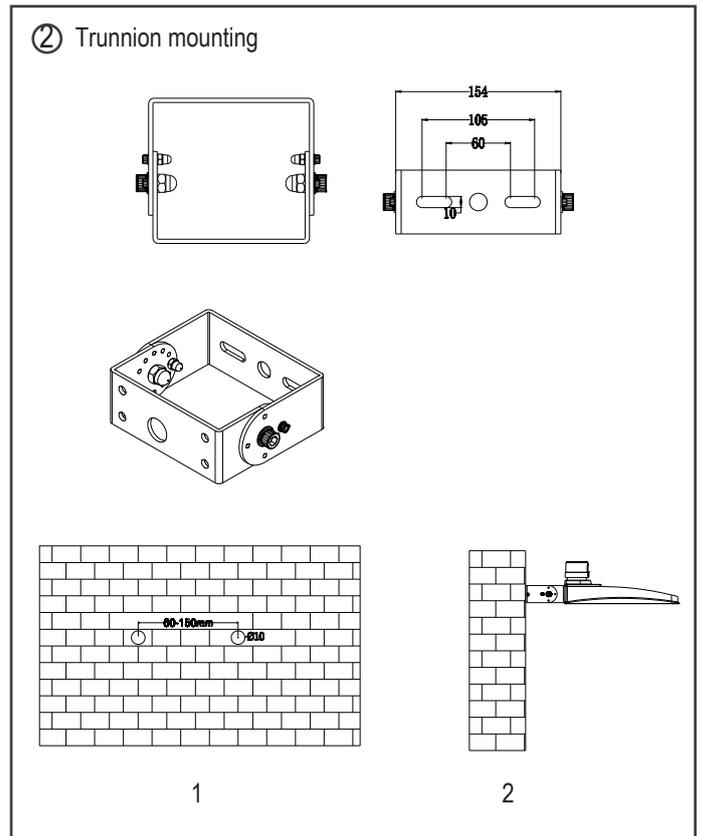
Optional accessories



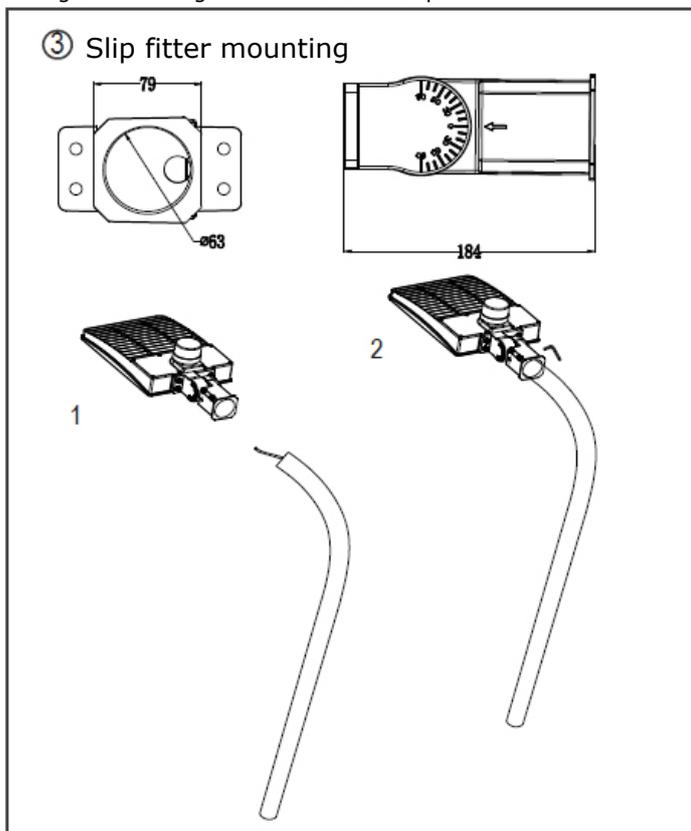
Installation Instructions for pole mounting



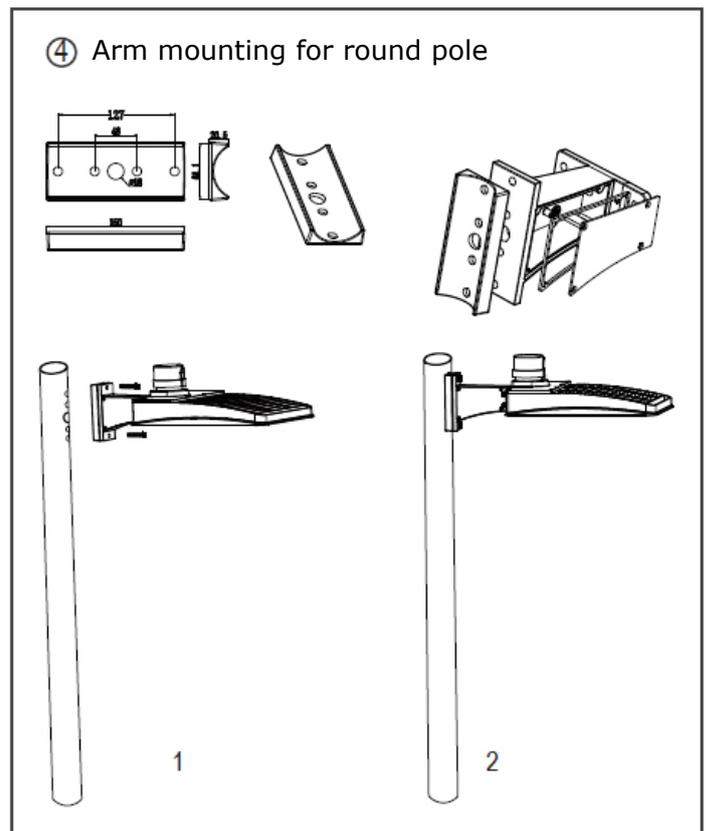
- 1) Drill holes in the square pole corresponding to the holes on the mounting arm, at the position you want to install the fixture. Use bolts and nuts to tightly fix the fixture to the pole.
- 2) Bring in the power line through the middle hole into the mounting arm and connect the wires. Close the compartment by using the silicon gasket and the cover plate.



- 1) Drill two holes in the wall corresponding to the holes in the mounting bracket, at the position you want to install the fixture. Use expansion screws and nuts to fix the fixture tightly to the wall.
- 2) Use the adjustment screw at the side of the bracket to adjust the installation angle. Afterwards connect the power line.



- 1) Connect the power line and fit the fixture on the pole.
- 2) Tighten the screws at the side of the mounting arm to secure the fixture



- 1) Drill holes in the round pole corresponding to the holes on the mounting arm, at position you want to install fixture. Use bolts and nuts to tightly fix fixture to the pole with adapter piece in-between.
- 2) Bring in the power line through the middle hole into the mounting arm and connect the wires. Close compartment by using silicon gasket and the cover plate.

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.

Maintenance

- To avoid injuries, disconnect power to the light and allow the unit to cool down before performing maintenance.
- ⚠ **Warning:** No user serviceable parts inside. Risk of electric shock. Removal of the lens will void the warranty.
- 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 lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens 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 cooling surfaces and fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.

All statements, technical information and recommendations contained in this document are based on information and tests we believe to be reliable. The accuracy or completeness thereof is not guaranteed. We reserve the right to revise or update this document without notice. Since the conditions of use are outside our control, the purchaser should determine the suitability of the product for its intended use and assumes all risk and liability whatsoever in connection therewith.