

PERMiA QUIC SERIES

Series Name : PAQ

LEDs : 8 、 16 、 24 、 32

CCT : Warm White, Neutral White

Product Features

- Industry Leading >150 lm/W High Luminaire Efficacy.
- DALI, dimmable, compatible with all Major CMS systems.
- Wide range of Lumen packages with clever optical design.
- Adjustable lighting angle, universal mounting.
- Built in 10KV surge protection, IP66 and IK10 protection.
- Easy installation and maintenance, single engineer.
- High efficiency ensuring substantial acceleration of the payback period.
- Mounting surface for NEMA socket and mini cell.
- Future proof, easy replacement of light engine.

Type of Applications

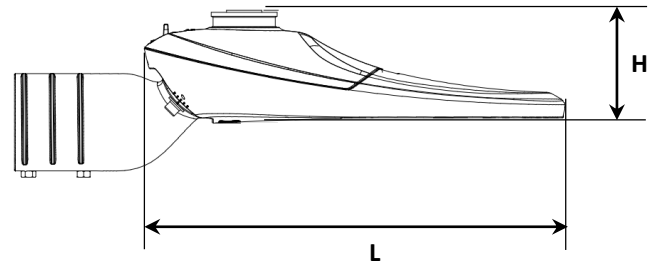
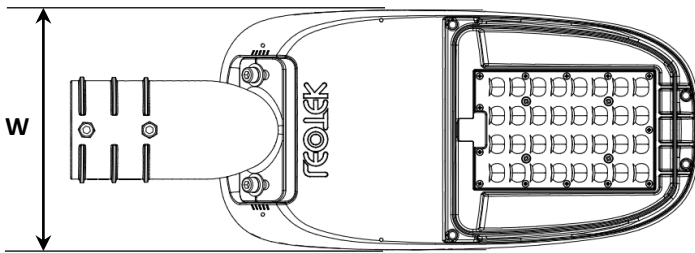
- Streets & Urban Roads
- Residential Streets
- Shopping Precincts
- Squares and Pedestrian Areas
- Bike Paths
- Parking Lots

General Specifications

- Light Source : Hi-Flux/Hi power white LED
- CRI : >70
- Power Factor(@ 220VAC,Full Load) : >0.9
- Total Harmonic Distortion : <20%
- Dimming : 1-10 V and DALI
- Operating Temperature : -40~50°C
- Storage Temperature : -40~80°C
- Operating Humidity : RH95%
- Driver Efficiency : >85%

Ordering Information

Housing Number and Type of LEDs	Input Voltage	Nominal Color Temperature	Light Distrebution	Finish	Driver Output Current
PAQ - 08L	EV: 220-240V	NW: 4000K	C1	GY: Grey	350: 350mA
PAQ - 16L		WW: 3000K	C2	DB: Dark Brown	700: 700mA
PAQ - 24L			N1	WH: White	
PAQ - 32L			M1	BK: Black	
			M2	IG: Iron Grey	
			W1		
			W2		
			W3		

Product Dimension / Material / Weight

	PAQ
L	420mm
W	210mm
H	95mm

	PAQ
Body	Marine grade LM6 aluminium
Protector	PC or Tempered glass(Optional)
Weight	3.5kg

Housing:

- Marine grade die cast aluminium housing.
- All hardware is stainless steel.
- Finless design with excellent heat dissipation can effectively prevent dirt accumulation and maintain LED junction temperature in high temperature ($T_a=50^{\circ}\text{C}$), ensuring long LED life and efficiency.
- Quick switch latches allow for tool-less access.
- Easy removal of the LED light engine and driver that gives convenience for future upgrade.

Mounting/Accessories:

- Universal spigot design suitable for 32 to 76mm (O.D) SE/PT mounting.
- Capable of $\pm 10^{\circ}$ by 5° steps tilt on both SE/PT pole.
- Front, side, and back shields available.
- NEMA standard socket and mini cell optional

Light Emitting Diodes:

- High-flux/Hi-power white LEDs are tested in accordance with IES LM-80 testing procedures.
- Produce a minimum 90% of initial intensity at 100,000 hours of life @160 mA at $T_a=25^{\circ}\text{C}$.
- LEDs are 100% mercury and lead free.

Optical System:

- Modular light engine design with micro-lens system provides appropriate light distribution to satisfy all road conditions and optimizes application efficiency.
- CRI>70 at WW and NW.
- LM-79 tests and reports are performed in accordance with IESNA standards.
- ULR: 0%

Electrical:

- Power supply drive output current is field adjustable.
- System power factor is >90% and <20% total harmonic distortion (THD) at full load.
- Integral 10KV surge protector.
- Photo electric sensors (PE) available for all voltages (Optional).

Finish:

- Housing receives a fade and abrasion resistant, epoxy polyester powder coated.

Listing/ Rating/ Warranty:

- All products are compliant with CE and ENEC standards.
- Luminaire maintain an IP66 rating.
- 10-year limited warranty is standard on luminaire.

PA Q Series Specifications

No. of LEDs	CCT (K)	Driver Output Current (mA)	Watts (W)	Lumen Output (lm)	Efficacy @Ta=25°C(lm/W)
8	4000	350	10	1380	138
16	4000	700	19	2850	150
24	4000	350	27	4130	153
32	4000	700	35	5425	155