

LED STREET LIGHTING HLED-G3

6,500 to 65,100 Lumens

Wireless Remote Monitoring and Control
Easy Installation, long Service life, cost effective

HLED – G3

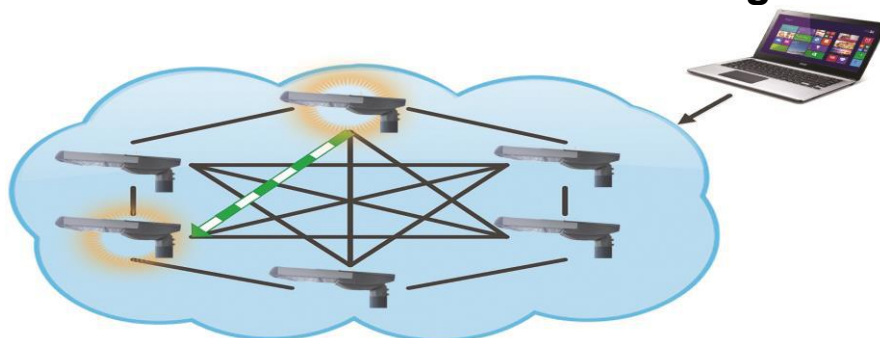
Silicon CPV

LED Street Lights:

- Highest Efficiency LED outdoor lighting on the market
- 185 lumens/W LED technology
160 lumens /W Luminaire performance.
White light of consistently high quality and brightness, whilst reducing energy costs.
- Save up to 80% energy compared to conventional lighting and reduce CO2
- A range of colour temperature light heads available from 2700K to 6000K
- Lightweight – from 5.8kg to 11.2kg.
- 8 different types of Best-in-class optics with 94% efficiency
- Long-lasting performance
A long lifetime of 80,000 hours (86% lumen maintenance at $T_a = 25^\circ\text{C}$)
- Easy to install and safe to use
- GSM or Internet based Remote Monitoring and Management
- Long time between maintenance visits
- Stylish and integrated design
- Wide range of lights for pole heights from 7 to 20 meters
- Robust and weather-tolerant
- Sustainable, made of easily recyclable materials and environmentally friendly



GSM or Internet based Remote Management



Our vision is simple – to develop and manufacture advanced Highest efficiency LED Street Lighting systems that will greatly reduce the life time cost of ownership.

Silicon CPV's LED Street lights are the most economic, reliable and versatile means of providing street lighting.

With a high efficiency long-life light source of up to 80,000 hours, the self-contained units are not only lightweight (between 5.8kg and 11.2kg per unit) but require no special tools or heavy lifting equipment to install.

It takes just five minutes to install!

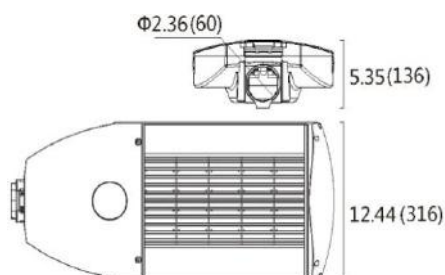
The economic advantage of LED lighting is very clear – Highly efficient, long lasting, environmentally friendly and controllable. Over the last decade, advances in technology have taken place at the speed of light, enabling you to light exciting spaces and create flexible ambiances with high intensity, white or coloured light. All with a fraction of the energy consumption of conventional lighting techniques. The integrated lens ensures that all light produced is directed along the road exactly where required. Optional communication interface allows remote management via GSM or internet.

Silicon CPVs street Lighting solution offers many advantages:

- The technology is extremely Energy-efficient, delivering white light of consistent high quality, brightness and intensity, whilst cutting energy costs by up to 80%.
- LED light source have an extremely long life, thereby eliminating the sort of maintenance and replacement required by traditional lighting, further reducing the carbon footprint.



Model	HLED-40	HLED-59	HLED-87	HLED-116	HLED-173	HLED-231	HLED-285	HLED-402
Input Power	40W	59W	87W	116W	173W	231W	285W	402W
HPS Equivalent Power	130W	186W	286W	372W	558W	744W	930W	1302W
Output Lumens (5000k) +/- 5%	6,500	9,300	14,300	18,600	27,900	37,200	46,500	65,100
Pupil Lumens	13,000	18,600	28,600	37,200	55,800	74,400	93,000	130,200
Pole Height (m)	7	8	9	11	13	15	17	20
Pole Spacing (m)	35	40	45	55	65	75	85	100
Standards Compliance	BS 5489:2003, EN13201, ME4a, IESNA Type II or Type III							
Optics	8 different types of Optics with efficiency > 93%							
Input Voltage	120-277V 50/60HZ							
Correlated Colour Temp	2700 -6500K (Luminous Flux will decrease with decreasing Colour Temperature)							
Colour Rendering Index	>75							
Power Factor	>0.95							
Total Harmonic Distortion	<15%							
Boom Arm Dimensions	φ 1.97-2. 36'' (φ 50-60) Round pole							



Nominal Wattage	40W	59W	87W	116W	173W	231W	285W	402W
"L" Length	464mm (18.2")	517mm (20.3")	570mm (22.4")	623mm (24.5")	676mm (26.6")	729mm (28.8")	835mm (33.0")	938mm (37.2")
Weight	5.8kg	6.4kg	7.0kg	7.6kg	8.2kg	8.8kg	10.0kg	11.2kg