

**AFFORDABLE
AND RELIABLE**



PIERLITE ECO LED HIGHBAY GEN 4

The compact Pierlite Eco LED highbay Gen 4 is a reliable, energy efficient solution for your industrial needs. The luminaire is designed to reduce maintenance costs and as the ideal replacement for Metal Halide and Mercury Vapour highbay fittings. With energy efficient LED chips and design, our customers will achieve significant energy saving and reduce the negative impact to the environment.

View how the Eco LED Highbay Gen 4 compares against conventional systems.

TECHNOLOGY	LED	MERCURY VAPOUR
Model	PIERLITE ECO LED HIGHBAY GEN 4 (ECOHB100W850G4)	HL400MV
Power	100W	400W
Lumen Output	14,000 lm	14,274 lm
Number of luminaires required	20	
TOTAL KILOWATTS OF POWER USED	2.0	8.0
COST OF ELECTRICITY PER YEAR	\$2,019.60	\$8,078.40
*Savings on lighting electricity cost per year	\$6,058.80	
*Savings on lighting electricity cost every 3 years	\$18,176.40	
IMPACT TO THE ENVIRONMENT		
Reduced electricity usage (kW)	20,196	
Coal consumption reduction (tonnes)	8.1	
Carbon Dioxide release resuction (tonnes)	57,761	

TECHNOLOGY	LED	METAL HALIDE
Model	PIERLITE ECO LED HIGHBAY GEN 4 (ECOHB150W850G4)	HL400MH
Power	150W	400W
Lumen Output	21,000 lm	22,050 lm
Number of luminaires required	20	
TOTAL KILOWATTS OF POWER USED	3.0	8.0
COST OF ELECTRICITY PER YEAR	\$3,029.40	\$8,078.40
*Savings on lighting electricity cost per year	\$5,049.00	
*Savings on lighting electricity cost every 3 years	\$15,147.00	
IMPACT TO THE ENVIRONMENT		
Reduced electricity usage (kW)	16,830	
Coal consumption reduction (tonnes)	6.7	
Carbon Dioxide release resuction (tonnes)	48,134	

PRODUCT SPECIFICATION	
Wattages	100W, 150W, 200W
Lumen	14,000lm, 21,000lm, 28,000lm
Colour Temp	5000K
IP Rating	65
Beam Angle	120 degrees
Dimmable	No
Lifetime	54,000 (L70)
Finish	Black Powdercoated
Warranty	5 year

Code	WATTAGE	LUMEN	COLOUR TEMPERATURE	DIMENSION HxWxL (mm)
ECOHB100W850G4	100W	14,000lm	5000K	166 x 291 x 291
ECOHB150W850G4	150W	21,000lm	5000K	166 x 291 x 291
ECOHB200W850G4	200W	28,000lm	5000K	182 x 340 x 340

LED



Above calculation is based on typical operating hours of 3,366 hours based on 51 weeks per year. Average electricity cost per kWh at \$0.30