

# Varoptic LED Retrofit Range



## Varoptic LED Module

The Pudsey Diamond Varoptic® is designed to reduce glare and improve aesthetics of heritage style lanterns while using the latest high-power LEDs to reduce energy consumption and carbon footprint. By diffusing the light source, glare is reduced and by moving it away from the conventional flat plate LED arrays to modules which occupy some of the space within the luminaire, the appearance of the lantern is made aesthetically pleasing during both day and night. The colour temperature has been chosen to closely match the colour of gas burning in a mantle providing warm, environmental lighting.

The patented mantle diffuser carries out two functions; emulating a traditional gas mantle and a directional reflector. The mantles can be rotated 360° in 10° steps providing both directional control of the illuminated area as well as providing a shield for areas where light is not desired.

Specification		
<b>Optical Characteristics / Options</b>		
Lumen Output range	350 - 6000Lm	
Colour Temperature	2700K / 3000K / 4000K	Other colour temperatures available on request
CRI	70	
S/P Ratio	1.2 - 1.5	2700K & 3000K = 1.2 4000K = 1.5
Distribution Options	ISENA Type II, III & V	Other Distributions available on request
LM-80	L80B10	>100,000Hrs
<b>Electrical Characteristics</b>		
Power Range	3.5 - 75W	
Input Voltage	220 - 240V	
Power Factor	>0.97	
Frequency	50 / 60Hz	
<b>Luminaire Characteristics</b>		
Classification	Class 1	
IP Rating	IP 66	
Weight	4.3 - 5.0Kg	Dependant on retrofit option
Control	10—100%	Pre-set, DALI, Profile, Line Switch 1 & 3 step
Temperature Range	-20 to + 40°C*	*Testing based on 25°C ambient, higher temperatures will impact LM-80 results

### COMPARTMENTALISED DESIGN

Allows access to internal electrical components

### REFLECTOR ACCESS

Knurled fastenings allow access to the rotatable mantles which house the reflector system

### HERITAGE 'GAS LANTERN' AESTHETICS

The manifold thermal design feature provides a focus in the centre of the luminaire for day & night time aesthetics

### IP66 COMPLETE SEALED UNIT

Integrity of the luminaire is assured by our ClamPD® seal technology

### HIGH PERFORMANCE LEDs & DIFFUSER OPTICS

Patented internal reflector & mantle diffuser offers adjustable photometry, while significantly reducing glare

### RETRO-FITS INTO MOST HERITAGE LANTERNS QUICKLY AND EASILY

Supplied in various styles and shapes to drop into a wide range of existing heritage lanterns



## Retrofit Module Size Options

Shape	Square		Parabolic		Hemispherical	
	Dim A	Dim B	Dim A	Dim B	Dim A	Dim B
Size	Dim A	Dim B	Dim A	Dim B	Dim A	Dim B
A	365mm	370mm	320mm	Ø290mm	215mm	Ø290mm
B	402mm	425mm	360mm	Ø360mm	N/A	N/A
C	395mm	412mm	N/A	N/A	N/A	N/A
Fits into:	Urbis Abbey Medium Urbis Abbey Large WRTL Precinct		Urbis Albany Large Urbis Albany Medium DW Windsor Strand A DW Windsor Strand B		Urbis Albany Medium DW Windsor Strand B	
Image						