

### PROUDLY MADE IN THE UK SINCE 1923









This luminaire complies with ETL guidelines for white Light Emitting Diode Lighting Units and is eligible for the Enhanced Capital Allowance (ECA) scheme.



# HIGH QUALITY

#### PROUDLY MADE IN THE UK SINCE 1923

**E950** is a high quality, low cost solution to replace existing sodium discharge and compact fluorescent luminaires on minor roads. Available with two power options, Low Power (LP) and High Power (HP).



#### FEATURES AND BENEFITS

- SR Driver ready
- Replace conventional LPS/HPS/CFL lanterns at low cost
- Maximum luminaire efficacy 134 lm/W LP | 154 lm/W HP
- Wide range of optics and lumen packages
- Maximised savings on energy and maintenance costs
- Contractor-friendly installation
- Minimal total cost of ownership
- Up to S3/P3 lighting class applications
- Flexible and intelligent lighting control options
- IP66 ingress protection
- 100% recyclable

### EXCELLENT OPTICAL PERFORMANCE

- CCT 4000K, 3000K, 2700K | 2200K (LP only )
- Colour Rendering Index > 70 | 80CRI (LP only)
- Improved mesopic vision
- High quality PMMA or Polycarbonate Lenses
- Exceptional Uniformity
- Dark Sky Friendly (no upward light)



### **OPTICAL DISTRIBUTIONS**



	LOW POWER	HIGH POWER				
LUMINAIRE LUMINOUS FLUX	up to 3700 lm	up to 6600 lm				
MAXIMUM LUMINAIRE EFFICACY	134 lm/W	154 lm/W				
LUMEN MAINTENANCE	L80 @ 100,000 hrs (1050mA, Ta = 25°C)	L90 @ 100,000 hrs (1050mA, Ta = 25°C)				
PHOTOMETRIC OPTIONS	6 distributions					

# CONVENTIONAL LIGHT SOURCE

LAMP TYPE	LAMP LUMENS	LOR ADJUSTED FLUX	LAMP WATTAGE	CIRCUIT WATTAGE	E950 FLUX (4000K)	E950 DRIVER CURRENT	LUMINAIRE WATTAGE (CLO)	WATTAGE SAVING	ENERGY SAVING
СРО	6800	5083	60	67	5071	800mA	31*	36	54%
СРО	4725	3260	45	51	3312	500mA	20*	31	61%
SOX	4550	1593	35	58	1495	400mA	11**	47	81%
SOX	7800	2730	55	74	2691	400mA	17*	57	77%
SON	4400	2420	50	69	2363	350mA	15*	54	78%
SON	6600	3630	70	90	3624	550mA	22*	68	76%
PLL	2900	1508	36	45	1495	400mA	11**	34	76%
PLL	4800	2496	55	62	2363	350mA	15*	47	76%
PLT	3200	1664	42	47	1675	450mA	12**	35	74%
PLT	4300	2236	57	65	2042	300mA	13*	52	80%

\*High power unit \*\*Low power unit

#### TOTAL COST OF OWNERSHIP

While CFL technology has a low initial cost, it requires frequent maintenance, resulting in a high total cost of ownership.

E950 with dimming and CLO options delivers an attractive total cost of ownership package making it extremely competitive for invest-to-save replacement schemes.



## **E950** SPECIFICATION

#### PROUDLY **MADE IN THE UK SINCE 1923**

Power Consumption Correlated Colour Temperature

Luminaire Luminous Flux Maximum Luminaire Efficacy Lumen Maintenance Output \*

#### Number of LEDs Glare Rating Colour Rendering Index Optical Cover Weight (Total) Operating Temperature Installation Height Electrical Class Control System Input Surge Protection **Dimming Control** Lighting Regulation Installation

Material Finish Colours Ingress Protection Impact Rating Wind Area (projected) Wind Area (SCx)

#### LOW POWER

7 - 27W (CLO080) 4000K (740), 3000K (730), 2700K (727) 2200K (822) 650 ~ 3700 lm 980 ~ 6600 lm 134 lm/W 154 lm/W L80 @ 100,000 hours (1050mA, Ta = 25°C) L90 @ 50,000 hours (1050mA, Ta = 25°C) 28 G4 max. > 70 PMMA/Polycarbonate Lenses 3kg -40°C to +40°C 5 ~ 8m 1&11 DALI or Step-dimming 8 kV Comm. Mode 6 kV Diff. Mode to IEC 61000-4-5; 10 kV Single Pulse Multi step dimming Mini Photocell • NEMA Socket • Zhaga Book 18 Socket SE Ø 34-42mm x 100mm Long PT Ø 60-76mm x 76mm Long (with adapter) Full High Pressure Die Cast Aluminium or Plastic base housing option Polyester powder coat cured under heat Light grey (RAL 7035), other RAL colours available on request IP66 IK10 0 049m<sup>2</sup> 0.017m<sup>2</sup>

#### **HIGH POWER**

9 - 41W (CLO080) 4000K (740), 3000K (730), 2700K (727)

L90 @ 100,000 hours (1050mA, Ta = 25°C)

\*Lumen depreciation calculated up to 100,000 hours using IES TM-21 method.

#### DIMENSIONS

