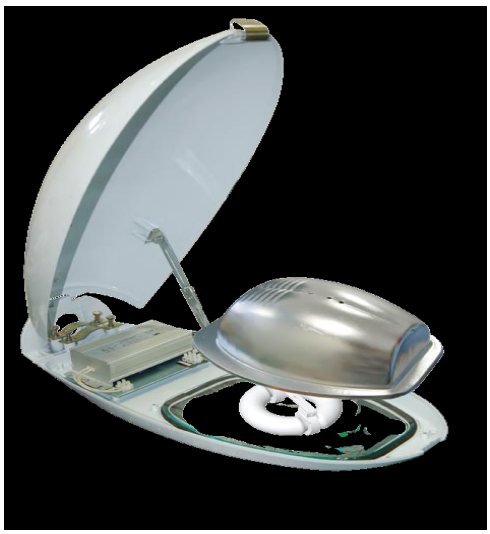
Data Sheet 014/1

Energy Mizer Ltd
Northwick House
Northwick Road
Canvey Island
Essex SS8 0PU
Tel: 01268681451

LYRA Street Light
40w/80w Saturn



Features

The glass is Pyrex with good light penetration and less penetration loss.

Designed in the EU, the reflector is made from highly polished aluminum. The surface of the vacuum plated metal gives better reflected efficiency with a better rational distributive curve.

The lamp fixture, lamp cover and the gear box are made from die-cast aluminum with a powder coating which is anti-corrosive.

The fixture is dust proof and reaches IP 65 or above

This general purpose road light is suitable for street lighting and car parks etc.

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Energy Mizer®

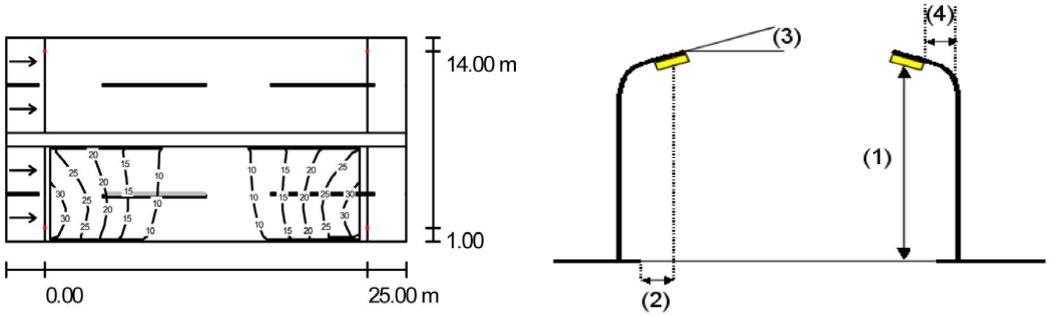
Planning Data

Street Profile

Road (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
CeStral IslaSd (Width: 1.000 m, Height: 0.000 m)
Road (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements



Luminaire Luminous Flux:	6400 lm
Luminaire Wattage:	95.7 W
Arrangement:	Double row, opposing
Pole Distance:	25.000 m
Mounting Height (1):	8.000 m
Height:	7.903 m
Overhang (2):	1.026 m
Boom Angle (3):	15.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities
at 70° : 109 cd/klm
at 80° : 75 cd/klm
at 90° : 34 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Arrangement complies with luminous intensity class G1.
Arrangement complies with glare index class D.6.

Grid: 10 x 6 Points
Accompanying Street Elements: Road
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a

(All lighting performance requirements are met.)

	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.79	0.6	0.6	10	0.8
Required values according to class:	⩾ 0.75	⩾ 0.4	⩾ 0.6	⩽ 15	⩾ 0.5
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
16	6.49	31	0.406	0.212