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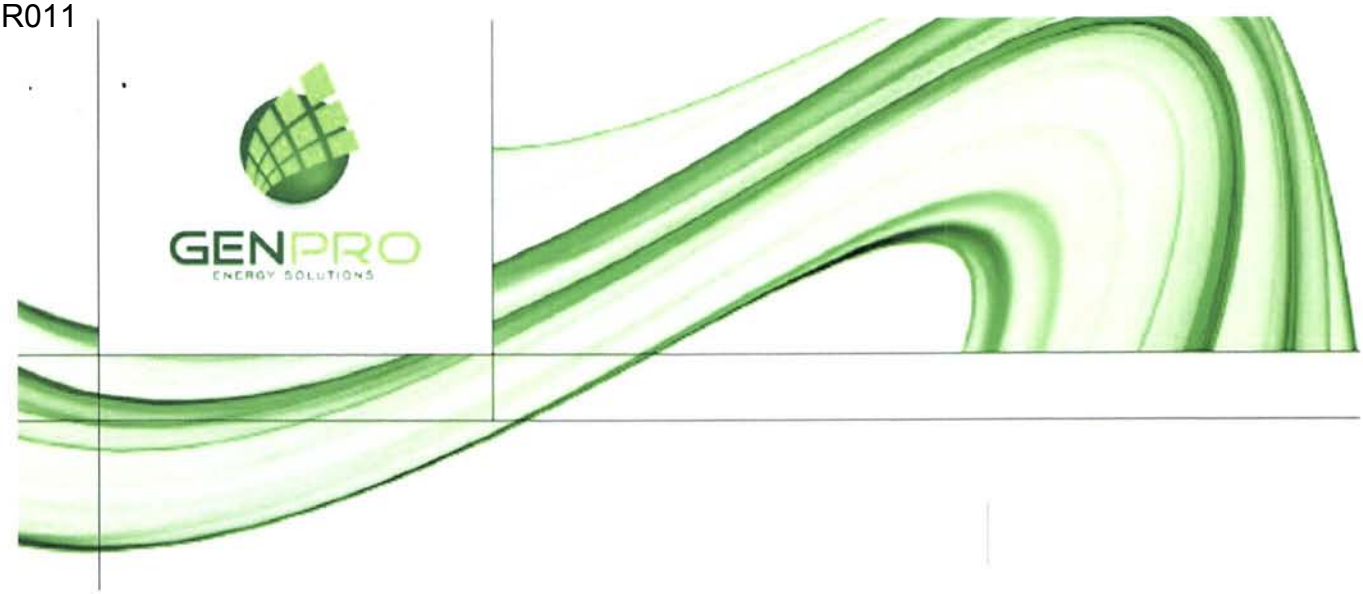


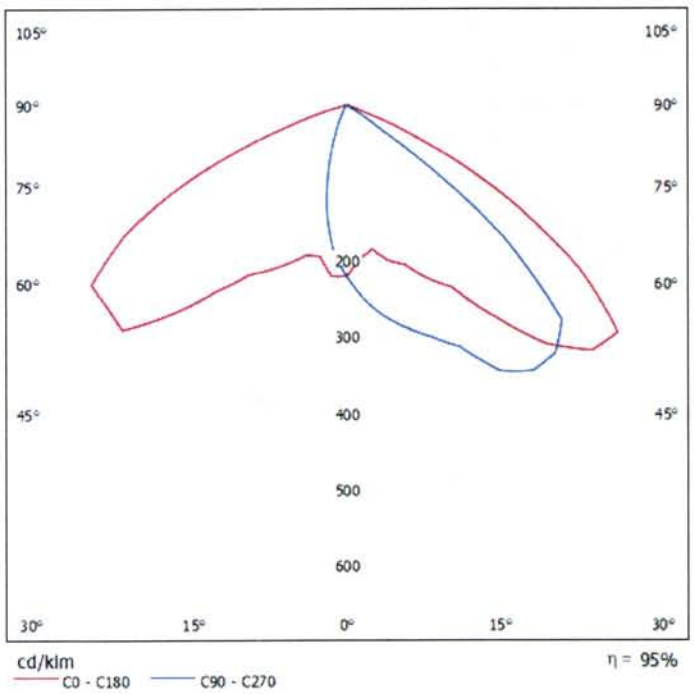
SOLAR BIKE PATHWAY LIGHTING PROJECT

Project — Rapid City Bike Pathway Solar Lighting

See our luminaire catalog for an image of the luminaire.

GY500LD 30W / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

CIE flux code: 40 86 100 100 94

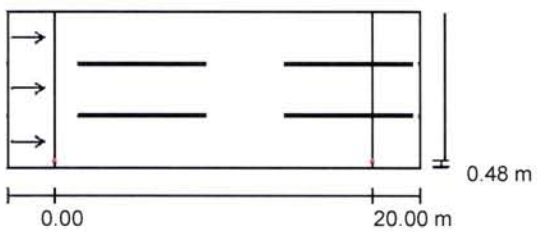
Pathway / Planning data

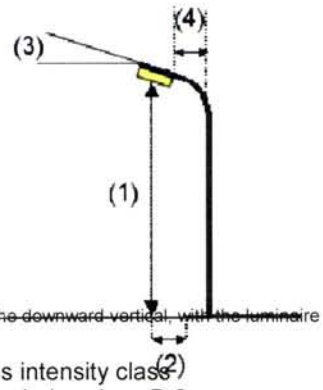
Path Profile

Pathway 1 (Width: 10.000 m, tarmac: R3, q0: 0.070)

Maintenance factor: 0.67

Luminaire Arrangements





Luminaire:	GY500LD 30W
Luminous flux (Luminaire):	2544 lm
Luminous flux (Lamps):	2691 lm
Luminaire Wattage:	30.0 W
Arrangement:	Single row, bottom
Pole Distance:	20.000 m
Mounting Height (1):	6.000 m
Height:	5.902 m
Overhang (2):	0.500 m
Boom Angle (3):	10.0 °
Boom Length (4):	1.000 m

Maximum luminous intensities

at 70°:	663 cd/klm
at 80°:	179 cd/klm
at 90°:	0.36 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.

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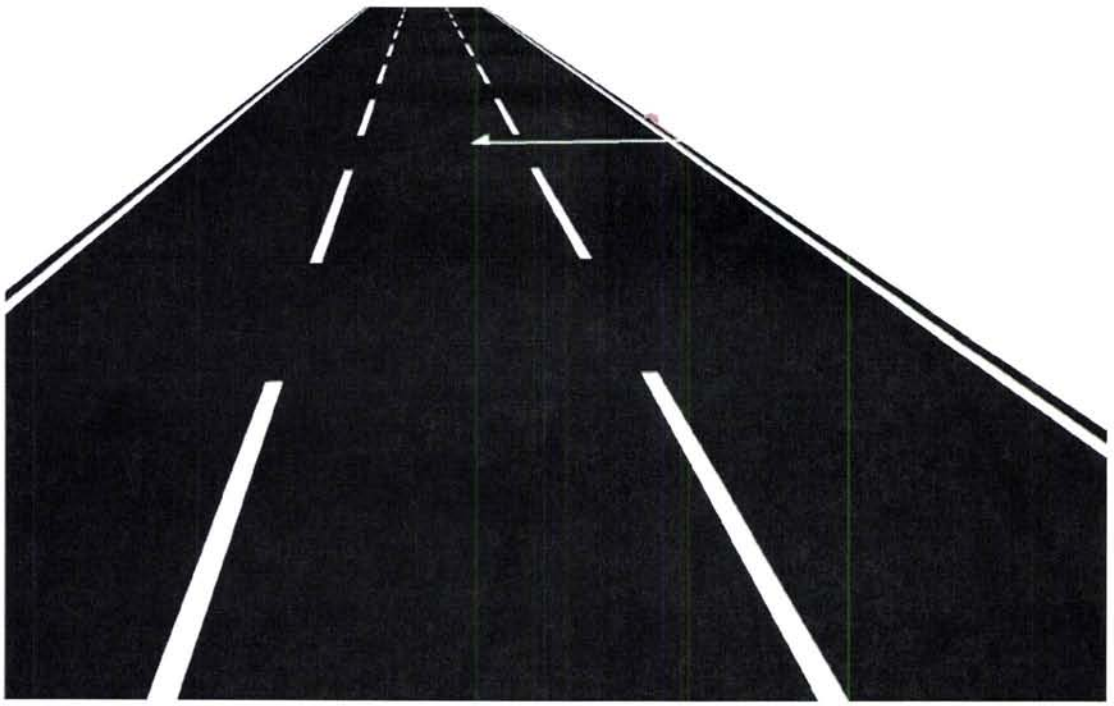
Pathway 1 / 3D Rendering



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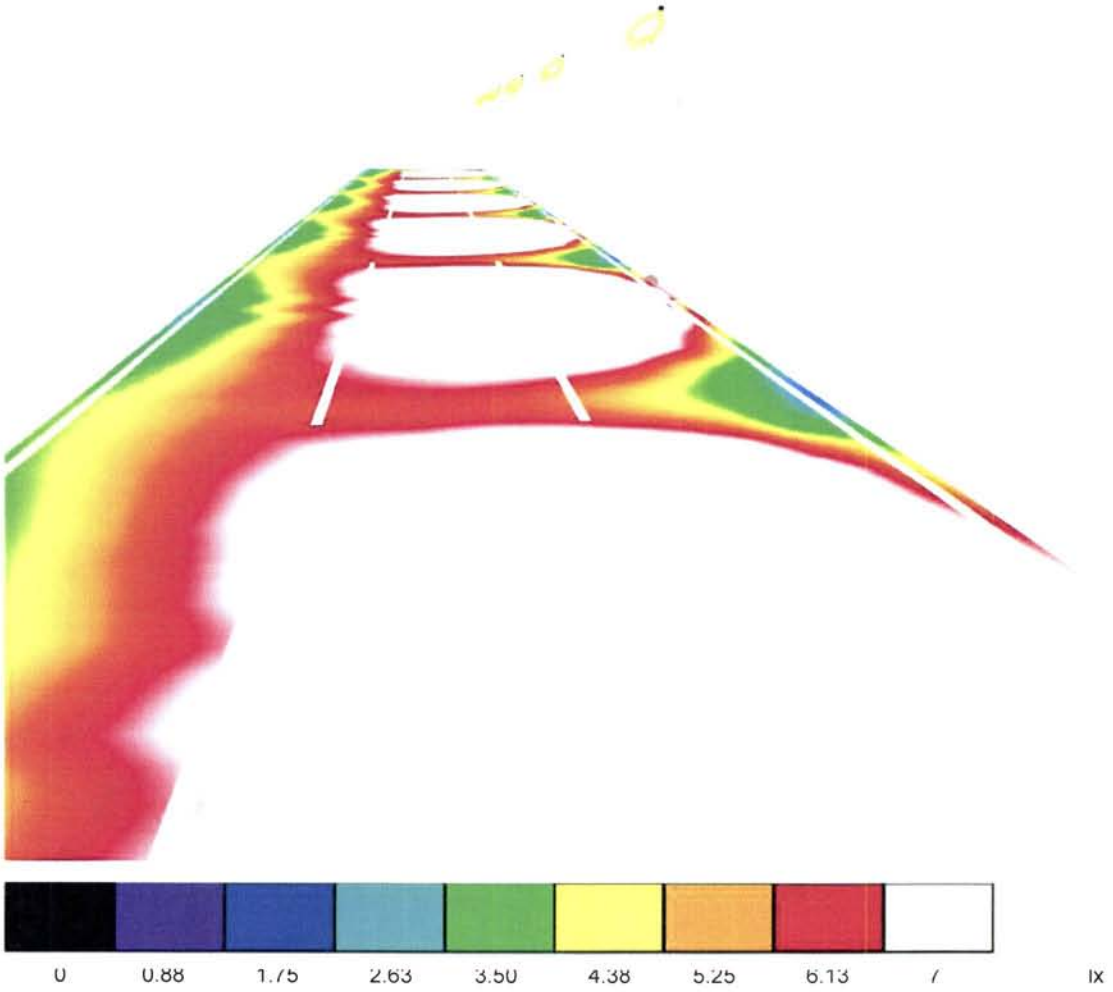
Pathway 1 / False Colour Rendering



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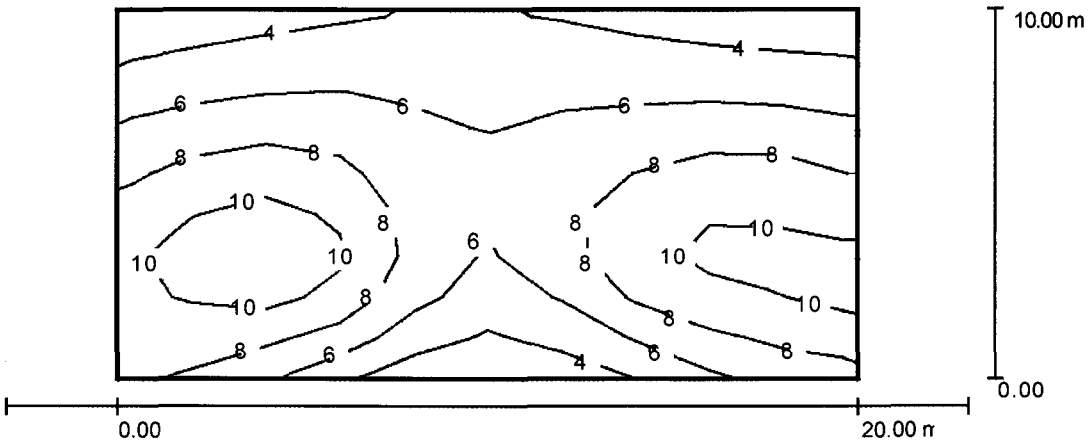

Pathway 1 / Valuation Field Pathway 1 / Isolines (E)

Values in Lux, Scale 1 : 186

Grid: 10 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
7.05	2.69	12	0.381	0.23

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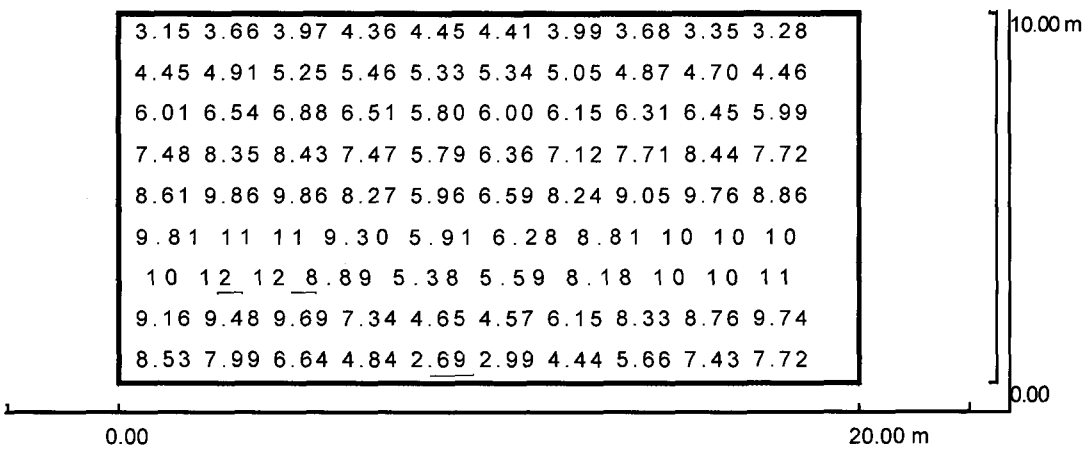
ENERGY SOLUTIONS

Pathway 1 / Valuation Field Pathway 1 / Value Chart (E)



Values in Lux, Scale 1 : 186

Grid: 10 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
7.05	2.69	12	0.381	0.230

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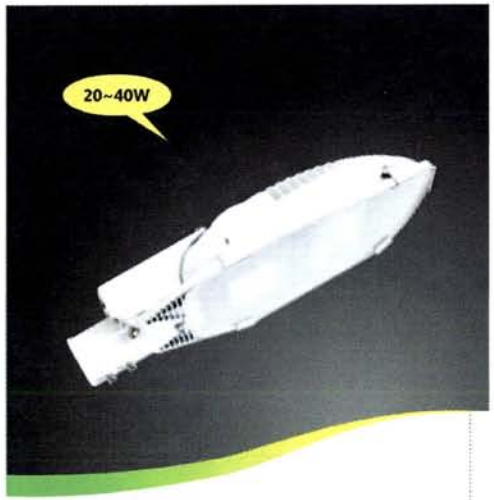
CE RoHS IP65



20~40 Power (W)	50~60 Frequency (Hz)	AC85~265 DC12/24 Operating Voltage (V)
80~140 Lighting Efficiency of LED (Lm/W)	>88% Power Supply Efficiency (%)	>0.90 Power Factor	>70 Color Rendering Index (Ra)
2700~10000 Color Temperature (K)	-40~55 Ambient Temperature (℃)	50,000 Life Span (hrs)
IP65 IP Rating (IP)	4 Weight (kg)
Φ50 / Φ60 Light Pole Caliber (mm)

GY500LD

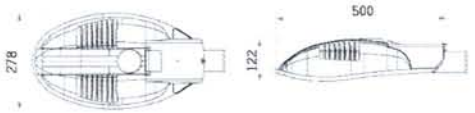
Materials

High purity aluminum reflector, housing and heat sink; high strength tempered glass cover; high power LED light source; high efficiency imported LED driver.

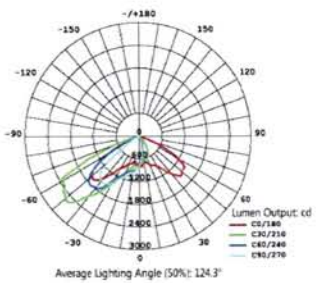
Application

City streets, pavements, squares, schools, parks, yards, residential areas, factories and any other places where lighting is needed.

Product Dimension



Light Distribution Curve



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GenPro Energy Solutions, LLC - Lighting Systems			
NAME A	DWG. NO. Solar Street Light(CH-1207)		REV. A
	NAME	DATE	DIMENSIONS ARE IN MILIMETERS TOLERANCES: FRACTIONAL ± ANGULAR:MACH± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±
DRAWN	Emily Feng		
CHECKED:	Ronadal Du		
ENG APPR.	Carlos Zhang		
MFG APPR.			MATERIAL
COMMENTS:			