Vialed Evolution

High efficiency

Vialed is a professional solution for public lighting projects in all roadway configurations. Premium bodies and electronic systems are paired with LED assemblies built to meet the IPC-A-610 acceptability standard for electronic assemblies — the same level of quality required by the aerospace and military industries.



Built-in Wireless Control!

Factory-installed Energio wireless node option. Can be controlled through INGY, Meshle, Casambi or Bluetooth NLC without the need for a field-mounted device.

00	Control-ready (no node)	● 0–10 V dimming, standard
N1	Factory-installed Energio wireless node	● Available
N2	Factory node + integral occupancy/daylight sensor	○ To be confirmed (node module with sensor)
R7	7-pin ANSI C136.41 receptacle + Energio node module	● Available — recommended for roadway

Add the control suffix to the end of the catalog number. Firmware: C Casambi · I INGY · M Meshle · B Bluetooth NLC · X assigned at submittal.

Certifications:

UL LISTED

Warranty:

5 Years

Order Information

U1 [Consec.] UN 2M [CCT] – [Control suffix]

Application	U1	Vialed Evolution
Consecutive	**050 / 070 / 090**	50 W / 70 W / 90 W
Input voltage	**UN**	127–277 V~
Curve	**2M**	Type II M
CCT	**40 / 50**	4000 K / 5000 K
Control suffix	**00 / N1 / N2 / R7**	+ firmware letter

Code construction example: **U1050UN2M40**

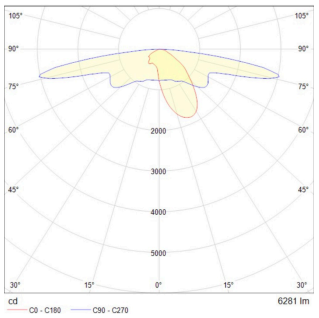
Input Current:

Power (W)	Input current
50	0.397–0.190 A
69	0.560–0.270 A
90	0.560–0.270 A

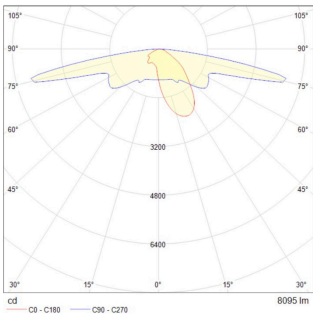
General Technical Data

Light source	Built-in LED
Nominal luminous flux	6,300–10,800 lm
System efficacy	>125 lm/W
CCT	4000 K / 5000 K
CRI	70
Beam angle	Type II M
Power	50 W / 70 W / 90 W
Input voltage	127–277 V~
Input frequency	60 Hz
Power factor	>0.90
THD	<10%
Operating temp.	−4 to 122 °F (−20 to 50 °C)
Driver	Integrated
Control	0–10 V
Lifespan / LED maint.	150,000 h L70
Housing	Aluminum
Lens material	PMMA (acrylic)
Finish	Electrostatic painting
Color	Grey
IP	66
IK	10
Mounting type	Pole

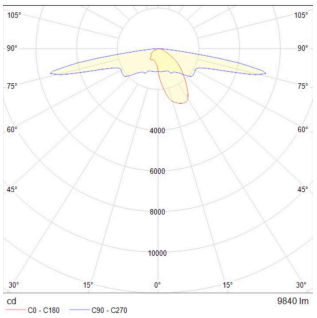
Photometric:



50 W Type II M



70 W Type II M



90 W Type II M

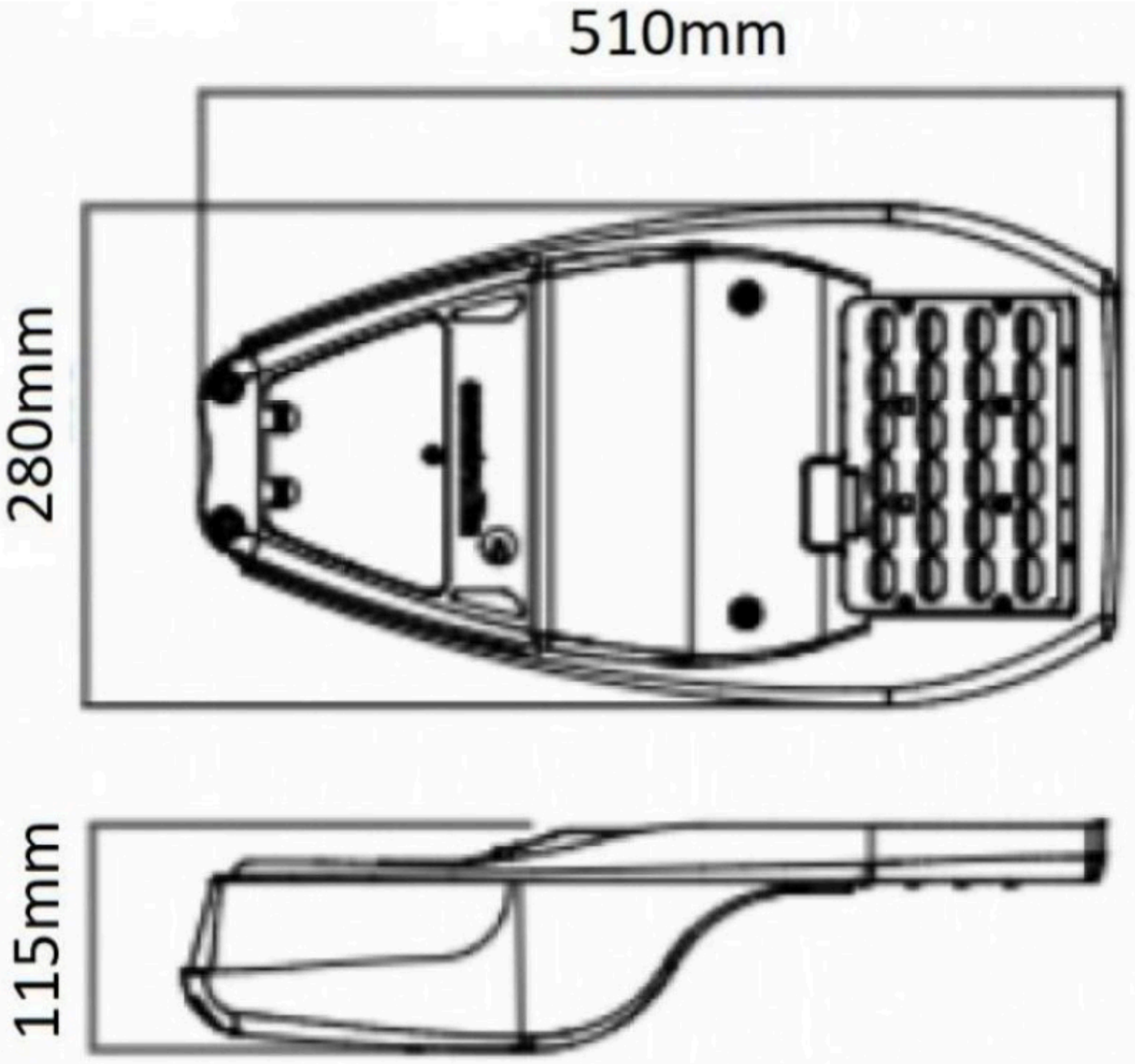
IES files available on request.

Energy Efficiency:

Code	Lumens	Watts	lm/W
U1 050 UN 2M 40 / 50	6,281	50	125.52
U1 070 UN 2M 40 / 50	8,096	69	117.94
U1 090 UN 2M 40 / 50	9,841	90	109.13

Nominal 6,200 / 8,100 / 9,850 lm · CRI 70 · 0–10 V.

Product Dimensions



510 × 280 × 115 mm (20.1 × 11.0 × 4.5 in).