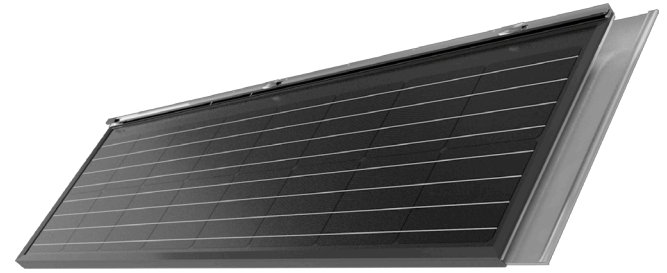


### Features

- ▶ Complete solar roofing system that seamlessly blends solar shingles with non-solar metal shingles
- ▶ Installs like traditional metal roofing
- ▶ Designed for air flow and wire harnesses under the solar shingles
- ▶ Only one penetration is required for the wires to go through the roof deck
- ▶ Solar cells have high conversion efficiencies resulting in superior power output performance
- ▶ Outstanding power output even in low light or high temperature conditions
- ▶ The “Luma Solar Kits” can be integrated with all roofing material

### Dimensions



**L 56” x W 17.4375” x H 1.625”**

### Electrical Data (STC\*)

Model No.	LRSS28-100A
Maximum Power (Pmax) (W)	100 ±3%
Maximum Power Voltage (Vmp) (V)	7.80
Maximum Power Current (Imp) (A)	12.82
Open Circuit Voltage (Voc) (V)	9.73
Short Circuit Current (Isc) (A)	13.35
Maximum DC System Voltage (V) US	600
Maximum Series Fuse Rating (A)	25
Efficiency (%)	22.1
Operating Temperature	-40°C ~ +85°C

\*Standard Test Conditions: 1000W/m<sup>2</sup> at an Air Mass of 1.5 and cell temperature of 25°C

### Mechanical Data

Exposed Area Installed	L 54 “ x W 16.5”
Weight	7.1 kg
Static wind load	2400 Pa
Static snow load	5400 Pa
Cell Type	Monocrystalline
Solar Cells	28 Half-Cells
Bypass Diode	SCHOTTKY Diodes (PST5040D)
Junction Box	FT56XY (UL E312261) Rating: 1000 V, 20 A
Potting	DOWSIL™ 3-4207 Dielectric Tough Gel
Frame	0.063” Extruded Aluminum

### Additional Ratings

Fire Resistance Rating (UL 790)	Class C
Roof Impact Rating (UL 2218)	Class 1
Wind Resistance (UL 1897)	115 lbs/ft <sup>2</sup>
Point-Load Rating (UL 7103)	200 lbs
Load Rating	30 lbs/ft <sup>2</sup>
Min Diode Current, Rating (A)	40
Min Field Wire Temp Rating (°C)	90

### Temperature Coefficients (% change/deg. K (C) rise)

NOCT	45 ±2°C
Pmax	-0.36
Voc	-0.28
Isc	-0.044

### Warranty & Certifications

#### Warranty

- **25 year** limited power warranty at 80%
- **5 year** limited product warranty

#### Certifications

- UL 7103, UL 61730-1, UL 61730-2
- Available Listings: UL, CEC