

# PowerFilm<sup>®</sup>

## SOLAR

MADE IN THE USA

## Electronic Component Solar Panels

### Indoor Light Series

The Indoor Light Series opens new opportunities for developing remote power solutions in low light and indoor applications. These panels provide energy collection at light levels down to 200 lux and below, making them useful for almost any indoor environment.

Whether you need advice on battery sizing and chemistry or circuit design using any of the leading energy-harvesting chips on the market today, we can help. We also offer development kits that will take you from IoT concept to product faster.

Looking for a custom Electronic Component Solar Panel? We offer custom sizes, voltages, encapsulations and substrates. If you are working on indoor applications we can provide additional support in designing your solution.

Contact us at [www.powerfilmsolar.com](http://www.powerfilmsolar.com) to learn more.

#### INP1.2-12x34

**Electrical Specifications:**  
Max Voc all light levels - 1.9V

##### 200 Lux

Power: 0.010mW  
Operating Voltage: 0.8V  
Operating Current: 0.012mA

##### 1000 Lux

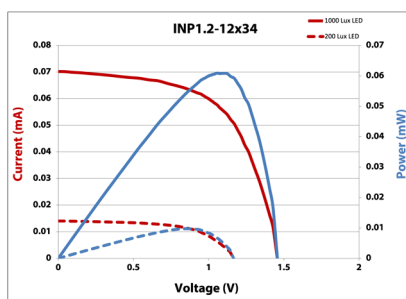
Power: 0.065mW  
Operating Voltage: 1.1V  
Operating Current: 0.059mA

#### Physical Specifications:

Dimensions:  
34.0 x 12.0 (mm)  
1.338 x 0.472 (in)  
Weight: 0.004oz / 0.13g



IV Curve



#### INP2.4-10x94T

**Electrical Specifications:**  
Max Voc all light levels - 3.7V

##### 200 Lux

Power: 0.033mW  
Operating Voltage: 1.6V  
Operating Current: 0.021mA

##### 1000 Lux

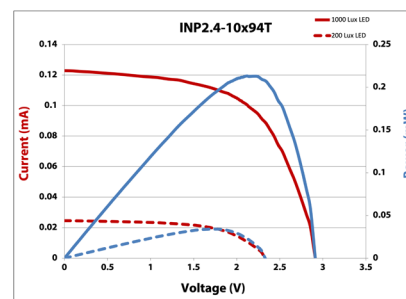
Power: 0.219mW  
Operating Voltage: 2.1V  
Operating Current: 0.105mA

#### Physical Specifications:

Dimensions:  
94.0 x 10.0 (mm)  
3.7 x 0.393 (in)  
Weight: 0.01oz / 0.25g



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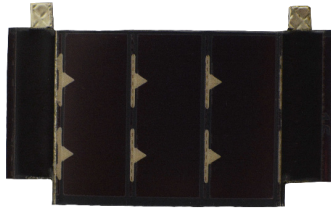
### INP3.6-24x44T

**Electrical Specifications:**  
Max Voc all light levels - 5.5V

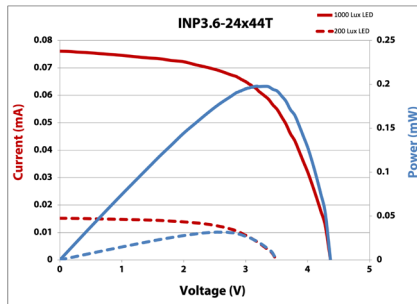
**200 Lux**  
Power: 0.031mW  
Operating Voltage: 2.4V  
Operating Current: 0.013mA

**1000 Lux**  
Power: 0.204mW  
Operating Voltage: 3.2V  
Operating Current: 0.063mA

**Physical Specifications:**  
Dimensions:  
44.0 x 24.0 (mm)  
1.732 x 0.944 (in)  
Weight: 0.01oz / 0.36g



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### INP3.6-12x310

**Electrical Specifications:**  
Max Voc all light levels - 5.5V

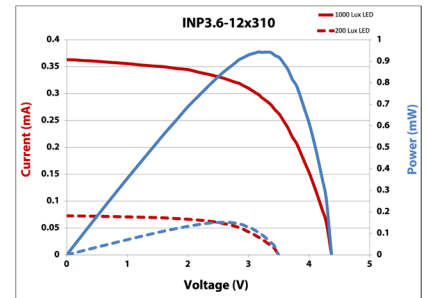
**200 Lux**  
Power: 0.150mW  
Operating Voltage: 2.4V  
Operating Current: 0.062mA

**1000 Lux**  
Power: 0.982mW  
Operating Voltage: 3.2V  
Operating Current: 0.307mA

**Physical Specifications:**  
Dimensions:  
310.0 x 11.86 (mm)  
12.204 x 0.466 (in)  
Weight: 0.03oz / 0.84g



IV Curve



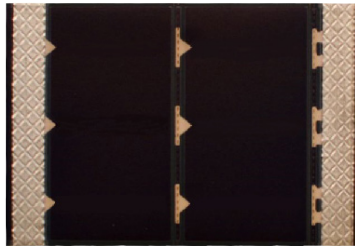
### LL200-2.4-37

**Electrical Specifications:**  
Max Voc all light levels - 3.7V

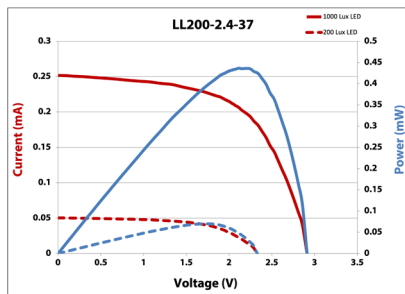
**200 Lux**  
Power: 0.068mW  
Operating Voltage: 1.6V  
Operating Current: 0.043mA

**1000 Lux**  
Power: 0.449mW  
Operating Voltage: 2.1V  
Operating Current: 0.214mA

**Physical Specifications:**  
Dimensions:  
54.0 x 36.5 (mm)  
2.13 x 1.44 (in)  
Weight: 0.02oz / 0.55g



IV Curve



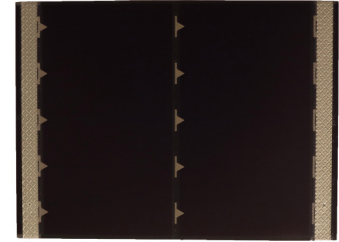
### LL200-2.4-75

**Electrical Specifications:**  
Max Voc all light levels - 3.7V

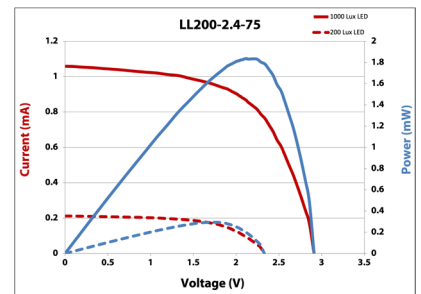
**200 Lux**  
Power: 0.289mW  
Operating Voltage: 1.6V  
Operating Current: 0.181mA

**1000 Lux**  
Power: 1.899mW  
Operating Voltage: 2.1V  
Operating Current: 0.904mA

**Physical Specifications:**  
Dimensions:  
94.0 x 73.0 (mm)  
3.70 x 2.87 (in)  
Weight: 0.04oz / 1.20g



IV Curve

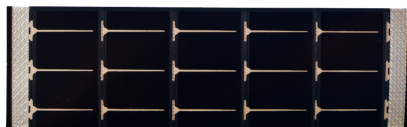


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### LL200-3-37



#### Electrical Specifications:

Max Voc all light levels - 4.6V

#### 200 Lux

Power: 0.166mW

Operating Voltage: 2.1V

Operating Current: 0.079mA

#### 1000 Lux

Power: 1.089mW

Operating Voltage: 2.6V

Operating Current: 0.419mA

#### Physical Specifications:

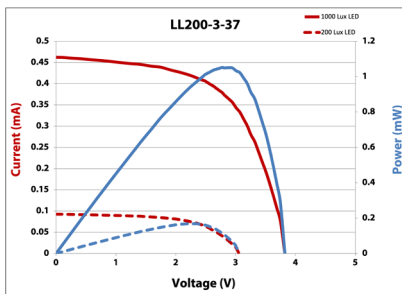
Dimensions:

114.0 x 36.5 (mm)

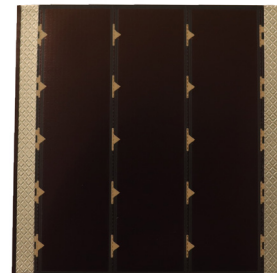
4.49 x 1.44 (in)

Weight: 0.04oz / 1.13g

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### LL200-3.6-75



#### Electrical Specifications:

Max Voc all light levels - 5.5V

#### 200 Lux

Power: 0.206mW

Operating Voltage: 2.4V

Operating Current: 0.086mA

#### 1000 Lux

Power: 1.354mW

Operating Voltage: 3.2V

Operating Current: 0.423mA

#### Physical Specifications:

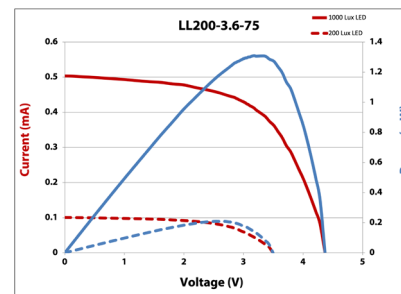
Dimensions:

74.0 x 73.0 (mm)

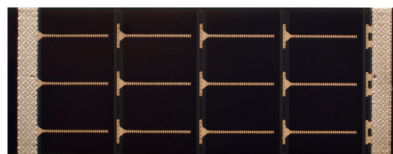
2.91 x 2.87 (in)

Weight: 0.05oz / 1.42g

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### LL200-4.8-37



#### Electrical Specifications:

Max Voc all light levels - 7.4V

#### 200 Lux

Power: 0.133mW

Operating Voltage: 3.2V

Operating Current: 0.041mA

#### 1000 Lux

Power: 0.871mW

Operating Voltage: 4.2V

Operating Current: 0.207mA

#### Physical Specifications:

Dimensions:

94.0 x 36.5 (mm)

3.70 x 1.44 (in)

Weight: 0.03oz / 0.88g

IV Curve

