



# Advanced Photonix

A Division of OSI Optoelectronics

## NSL-12130



### FEATURES

- Passive Resistance Output
- Hermetic Sealed

### DESCRIPTION

The NSL-12130 photocell is a light dependent resistor with sensitivity from visible light to near infrared radiation. TO-8 hermetic photocell assembled in a black housing.

### APPLICATIONS

- Industrial

#### > Absolute Maximum Ratings

Part No.	Power Dissipation [mW]	Peak Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
NSL-12130	400	60	-60 to +75	-60 to +75	TO-8

#### > Electrical and Optical Characteristics

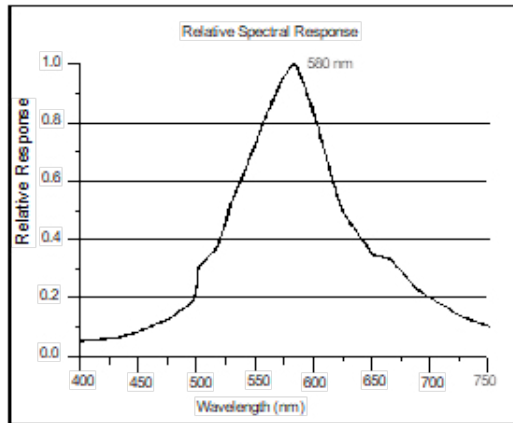
Typical Characteristics (T=23°C unless specified)						
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Light Resistance	2ftc, 2850K (1)	R <sub>L</sub>	400	-	1000	Ω
Dark Resistance	20sec after light removal	R <sub>D</sub>	100	-	-	KΩ
Spectral Peak		λ <sub>P</sub>	-	580	-	nm

(1) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.

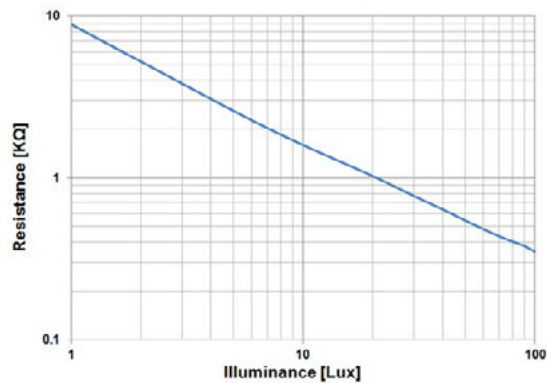
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## NSL-12130

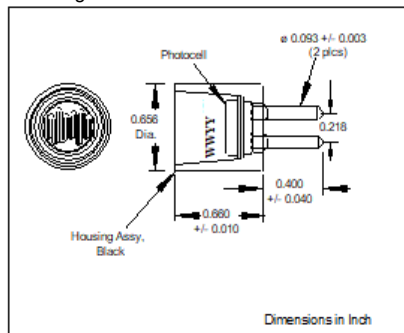
### > Relative Spectral Response



### > Cell Resistance vs. Illuminance



### > Package Dimensions



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NSL-12130

> Soldering Conditions: 260°C 1/16 inch away from case for 3 seconds max.

> Markings

Resideo  
130367  
LU YYWW

DATE CODE (YEAR/WEEK)

WHITE BAND (360°)

## LEGAL DISCLAIMER

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## MATERIALS SAFETY

*This product is free of conflict minerals and meets REACH compliance. Please see website for reports.*

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