



**DESCRIPTION**

The NSL-4132 is a light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a TO-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

**FEATURES**

- Passive resistance output
- Ceramic package

**RELIABILITY**

Contact Luna for recommendations on specific test conditions and procedures.

**APPLICATIONS**

- Industrial

**ABSOLUTE MAXIMUM RATINGS**

SYMBOL	MIN		MAX	UNITS	T <sub>a</sub> = 23°C UNLESS NOTED OTHERWISE
Voltage (peak AC or DC)	-	-	80	V	-
Power Dissipation @25°C	-	-	50	mW	Derate linearly to at 75°C
Operating Temperature	-60	to	+75	°C	Non condensing
Storage Temperature	-60	To	+75	°C	-
Soldering Temperature	-	-	+260	°C	>2mm from case

**Note:**

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

**OPTO-ELECTRICAL PARAMETERS**

T<sub>a</sub> = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Light Resistance	1 ftc., 2854° K (1)	18	30	42	KΩ
	100 ftc., 2854° K (1)	-	500	-	Ω
Dark Current	5 sec. after removal of test light	1.8	-	-	MΩ
Spectral Peak	-	-	550	-	nm