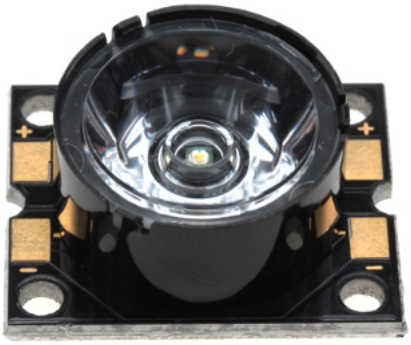
CREE LED Solution Provider

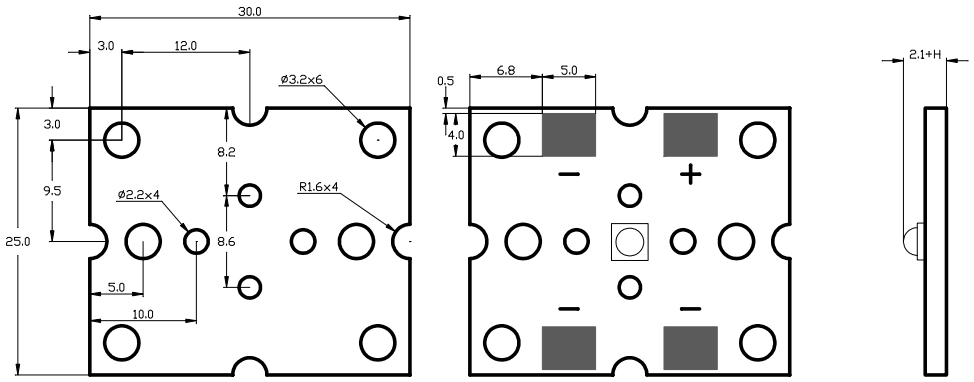


RoHS COMPLIANT ENERGY SAVING LED CREE LEDS INSIDE

# SHORT DESCRIPTION

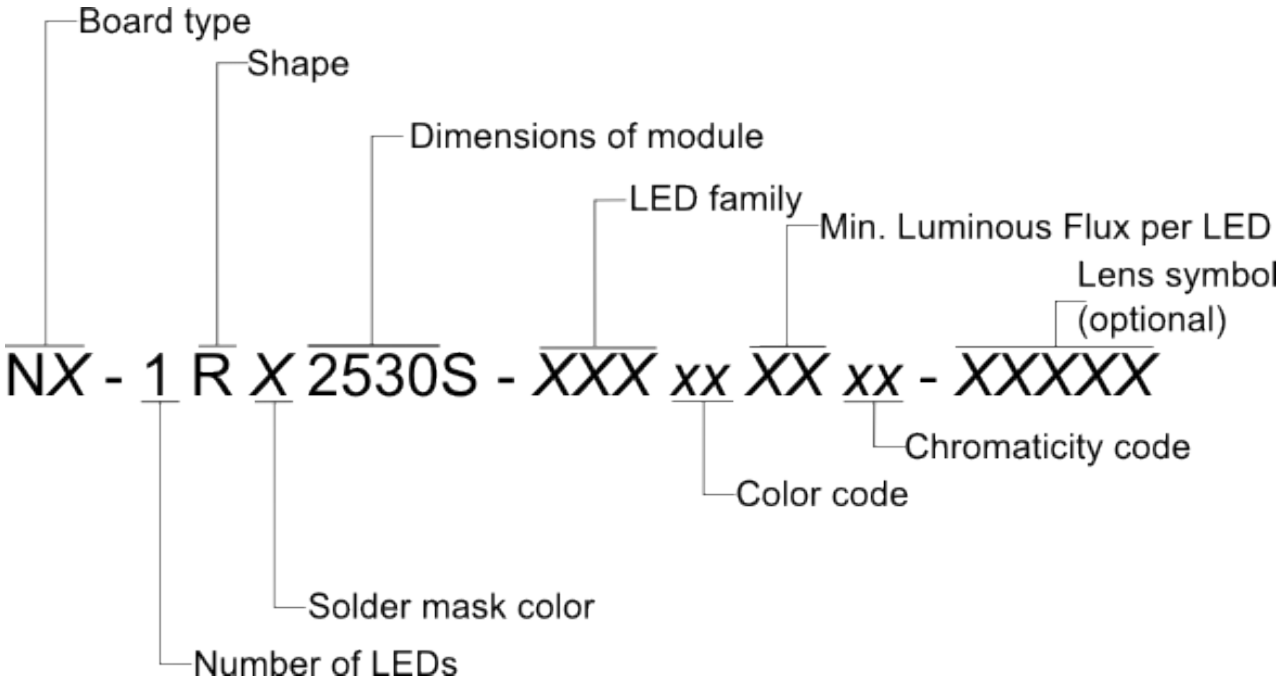
- Rectangular MCPCB board with 25 mm x 30 mm dimensions
- One LED
- Designed for Cree Xlamp Hight-Power LEDs XP-C, XP-E, XP-E High-Efficiency, XP-G
- Compatible Lenses: appropriate lenses from Ledil and Ledlink Families






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# PRODUCT NOMENCLATURE




## Board Type[1]

NX - 1RX2530S- XXXxxXXxx- XXXXX

| | H [mm] | Material | Dielectric thermal conductivity [W/(m·K)] | Dielectric thickness [$\mu$m] |
|---|---|---|---|---|
| **NV** | 2 | 1060 Alloy | 1.5 | 80 |
| **NS** | 1.6 | | | |
| **NT** | 2 | 5052 Alloy | 2 | 60 |
| **NC** | 1.6 | | | |
| **NM** | 2 | Cu | 3 | 60 |
| **NB** | 2 | 5052 | depends on design[2] 10÷50 | 60 |


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## Shape

NX- 1R X2530S- XXXxxXXxx- XXXXX

| | Shape name |
|---|---|
| **R** | Rectangular |
| **C** | Round |
| **S** | Star |
| **P** | Polygonal |

## Soldermask Color[3]

NX- 1RX 2530S- XXXxxXXxx- XXXXX

| | Color name |
|---|---|
| **B** | Black |
| **O** | Orange |
| **W** | White |

## LED Family

NX- 1RX2530S- XXX xxXXxx- XXXXX

| | Description | Suggested Board Type |
|---|---|---|
| **XPC** | Cree Xlamp XP-C Type | NV, NS, NT, NC, NM |
| **XPE** | Cree Xlamp XP-E Type | NV, NS, NT, NC, NM |
| **XHE** | Cree Xlamp High-Efficiency XP-E Type | NV, NS, NT, NC, NM |
| **XPG** | Cree Xlamp XP-G Type | NT, NC, NM |


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## Color

NX- 1RX2530S- XXXxx XXxx- XXXXX

| | | CTT Range [K] | | |
|---|---|---|---|---|
| | Color name | | | Led families |
| | | min | max | |
| **WC** | Cool White | 5000 | 10000 | XPC, XPE, XHE[4], XPG[5] |
| **WO** | Outdoor White | 4000 | 5300 | XPE, XHE[6], XPG |
| **WN** | Neutral White | 3700 | 5000 | XPC, XPE, XHE, XPG |
| **80** | 80-CRI White | 2600 | 4300 | XPE, XHE, XPG |
| **WW** | Warm White | 2600 | 3700 | XPC, XPE, XHE, XPG |
| **85** | 85-CRI White | 2600 | 3200 | XPE, XHE, XPG |
| **90** | 90-CRI White | 2600 | 3200 | XPE, XHE, XPG |

| | | Dominant Wavelength [nm] | | |
|---|---|---|---|---|
| | Color name | | | Led families |
| | | min | max | |
| **BR** | Royal Blue | 450 | 465 | XPC, XPE |
| **BL** | Blue | 465 | 485 | XPC, XPE |
| **GR** | Green | 520 | 535 | XPC, XPE |
| **AM** | Amber | 585 | 595 | XPC, XPE |
| **RO** | Red-Orange | 610 | 620 | XPC, XPE |
| **RE** | Red | 620 | 630 | XPC, XPE |

## Minimal Luminous Flux per LED

NX- 1RX2530S- XXXxxXX xx- XXXXX

Please refer to proper CREE Binning & Labeling documentation(located at http://www.cree.com/products/xlamp.asp) paragraph "Luminous or radiant flux group".

## Chromaticity

NX- 1RX2530S- XXXxxXXxx - XXXXX

Please refer to proper CREE Binning & Labeling documentation (located at http://www.cree.com/products/xlamp.asp) paragraph "Chromaticity or dominant-wavelength group".


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## Lens Symbol (optional)[7]

NX- 1RX2530S- XXXxxXXxx- XXXXX

Following table contains some of example lenses for nGine.

| Family | Example | Mounting | Manufacturer |
|---|---|---|---|
| Tina | **10644, 10887, 10645, 11200, 10838** | Glue | |
| CXP | **10666, 10665, 10669, 10668, 10667, 10708** | Glue | |
| Emily | **11388, 11390, 11389, 11387** | Glue | LEDIL |
| Heidi | **11264, 11265, 11266, 11267** | Glue | |
| Lisa | **10641** | Glue | |
| LL01ZZ-FLXXL | **FL10L, FL25L, FL3065L, FL60L** | Glue, Screw | |
| LL01ZZ-EXXXL | **EX10L, EX25L, EX3065L, EX40L, EX60L** | Glue, Screw | |
| LL01CR-AUXXL | **AU85135** | Glue, Put in | |
| LL01CR-FTXXL | **FT60135** | Glue, Put in | LedLink |
| LL01CR-HQXXL | **HQ30L, HQ40L** | Glue | |
| LL01CR-NEXXL | **NE25L, NE40L, NE60L, NE2545L** | Glue | |
| LL01CR-DFXXL | **DF25L, DF3065L, DF40L, DF60L, DF80L** | Glue | |

## Ordering Code Example

**NV-1RB2530-XPCWNQ24D** – 2 mm 1060 Alloy board with black soldermask, 1 XPC nautral white LED, Q24D bin,

**NV-1RB2530-XPERO15D4-DF25L** – 2 mm 1060 Alloy board with black soldermask, 1 XPE red-orange LED, 15D4 bin, LL01CR-DF25L Ledlink lens.

# ENVIROMENTAL CAUTION



It is prohibited to dispose of obsolete and waste electrical and electronic equipment together with regular household wastes. They should be properly sorted and recycled. old electrical and electronic equipment should be returned to a waste collection point established by a waste-management service. Waste electrical and electronic equipment can be broken down to base materials and then recycled. For more information regarding waste management please contact your local authorities waste-management service or the seller of electrical and electronic devices.

# NOTES

[1] Another thickness available on request.



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[2]Blind holes technology.
[3]Another soldermask color available on request.
[4]Max. CCT Range 8300 K.
[5]Max. CCT Range 8300 K.
[6]Min. CCT Range 2600 K.
[7]More lenses available on request.


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