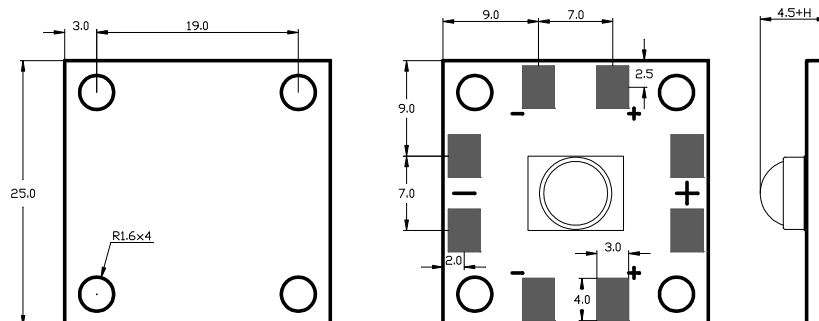


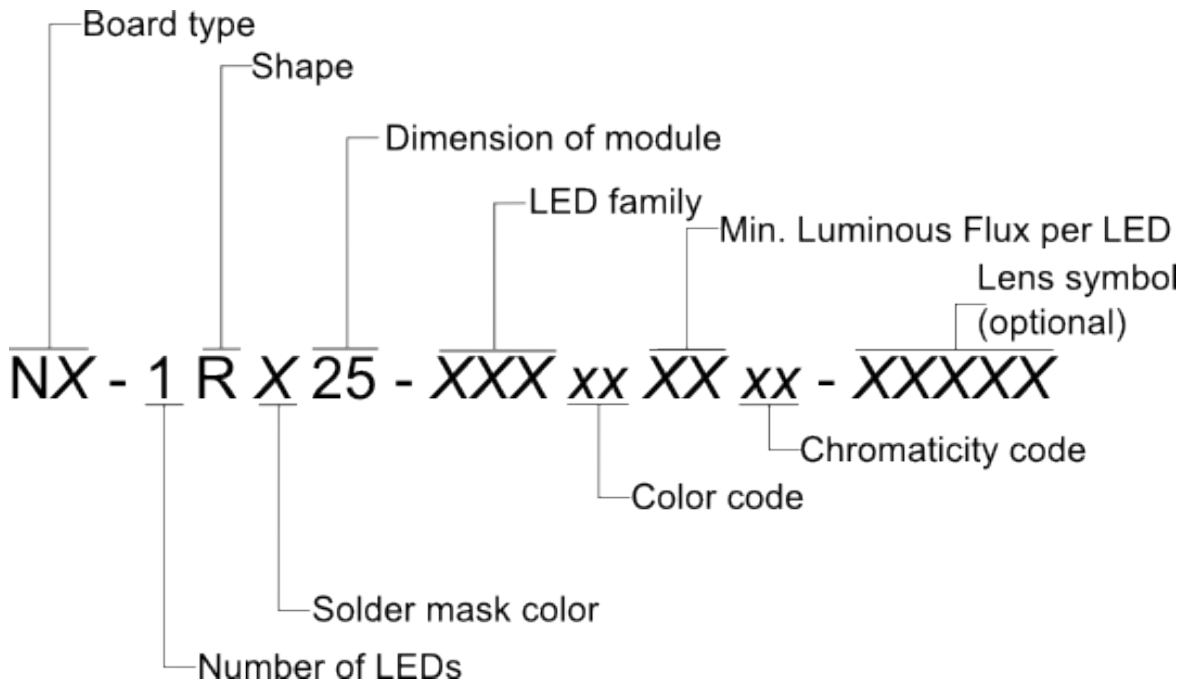
## SHORT DESCRIPTION

- Square MCPCB board with 25 mm dimension
- One LED
- Designed for Cree Xlamp High-Power LEDs XR-C, XR-E
- Compatible Lenses: appropriate lenses from Ledil and Ledlink families





## PRODUCT NOMENCLATURE



### Board Type<sup>1</sup>

NX - 1RX25- XXXxxXXxx- XXXXX

	H [mm]	Material	Dielectric thermal conductivity [W/(m·K)]	Dielectric thickness [μm]
<b>NV</b>	2	1060 Alloy	1.5	80
<b>NS</b>	1.6			
<b>NT</b>	2	5052 Alloy	2	60
<b>NC</b>	1.6			
<b>NM</b>	2	Cu	3	60
<b>NB</b>	2	5052	depends on design <sup>2</sup> 10÷50	60



## Shape

NX- 1R X25- XXXxxXXxx- XXXXX

Shape name	
<b>R</b>	Rectangular
<b>C</b>	Round
<b>S</b>	Star
<b>P</b>	Polygonal

## Soldermask Color<sup>3</sup>

NX- 1RX 25- XXXxxXXxx- XXXXX

Color name	
<b>B</b>	Black
<b>O</b>	Orange
<b>W</b>	White

## LED family

NX- 1RX25- XXX xxXXxx- XXXXX

	Description	Suggested Board Type
<b>XRC</b>	Cree Xlamp XR-C Type	NV, NS, NT, NC, NM
<b>XRE</b>	Cree Xlamp XR-E Type	NV, NS, NT, NC, NM

## Color

NX- 1RX25- XXXxx XXxx- XXXXX

	Color name	CTT Range [K]		Led families
		min	max	
<b>WC</b>	Cool White	5000	10000	XRC, XRE
<b>WN</b>	Neutral White	3700	5000	XRC, XRE
<b>WW</b>	Warm White	2600	3700	XRC, XRE



	Color name	Dominant Wavelength [nm]		Led families
		min	max	
<b>BR</b>	Royal Blue	450	465	XRE
<b>BL</b>	Blue	465	485	XRC, XRE
<b>GR</b>	Green	520	535	XRC, XRE
<b>AM</b>	Amber	585	595	XRC
<b>RO</b>	Red-Orange	610	620	XRC
<b>RE</b>	Red	620	630	XRC

## Minimal Luminous Flux per LED

NX- 1RX25- 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- 1RX25- 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".

Family	Example	Mounting	Manufacturer
Strada	10925	Glue	
LC1	10810, 10807, 10809, 10808	Glue	
LL01CR-AOXXL	AO15L, AO2545L, AO25L, AO60L, AO80L	Glue	
LL01CR-BRXXL	BR1045L, BR1550L, BR30L, BR40L, BR50L	Glue	

## Ordering Code Example

**NV-1RB25-XRCRDM3R2** – 2 mm 1060 Alloy board with black soldermask, 1 XRC red LED, M3R2 bin,

**NV-1RB25-XREBLKB4-AO15L** – 2 mm 1060 Alloy board with black soldermask, 1 XRE blue LED, KB4 bin, LL01CR-AO15L 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

- <sup>1</sup>Another thickness available on request.
- <sup>2</sup>Blind holes technology.
- <sup>3</sup>Another soldermask color available on request.