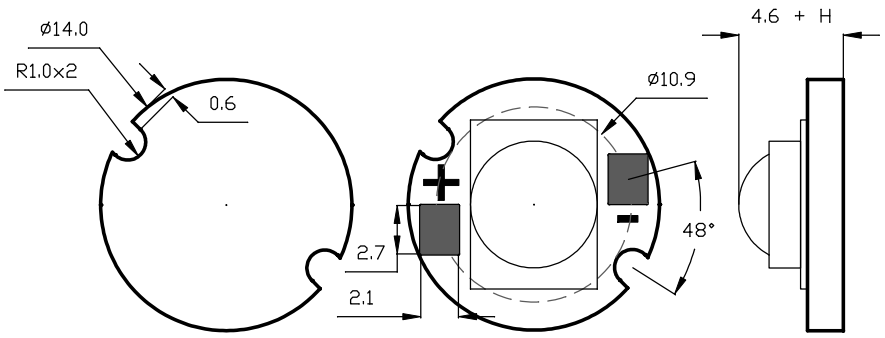
CREE LED Solution Provider

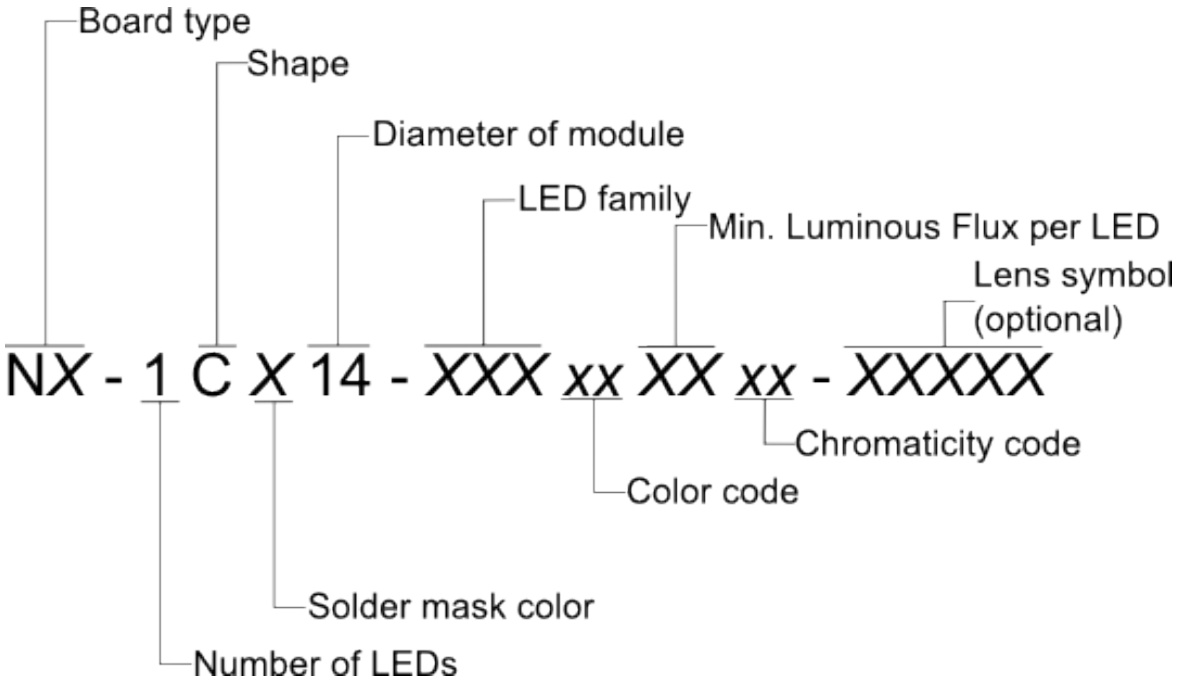
RoHS COMPLIANT ENERGY SAVING LED CREE LEDS INSIDE

SHORT DESCRIPTION

- Round MCPCB board with 14 mm diameter
- One LED
- Designed for Cree Xlamp Hight-Power LEDs XR-C, XR-E



PRODUCT NOMENCLATURE



Board Type[1]

NX - 1CX14- XXXxxXXxx- XXXXX

	H [mm]	Material	Dielectric thermal conductivity [W/(m·K)]	Dielectric thickness [μm]
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

Shape

NX- 1C X14- XXXxxXXxx- XXXXX

	Shape name
R	Rectangular
C	Round
S	Star
P	Polygonal

Soldermask Color[3]

NX- 1CX 14- XXXxxXXxx- XXXXX

	Color name
B	Black
O	Orange
W	White

LED family

NX- 1CX14- XXX xxXXxx- XXXXX

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

Color

NX- 1CX14- XXXxx XXxx- XXXXX

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

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

Minimal Luminous Flux per LED

NX- 1CX14- 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- 1CX14- 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".

Ordering Code Example

NT-1CB1-XREBLKB4 – 2 mm 5052 Alloy board with black soldermask, 1 XRE blue LED, KB4 bin,

NT-1CB1-XREWNQ35D – 2 mm 5052 Alloy board with black soldermask, 1 XRE neutral white LED, Q35D bin.

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.

[2]Blind holes technology.

[3]Another soldermask color available on request.