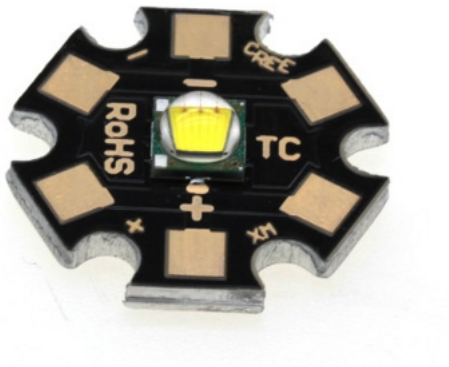
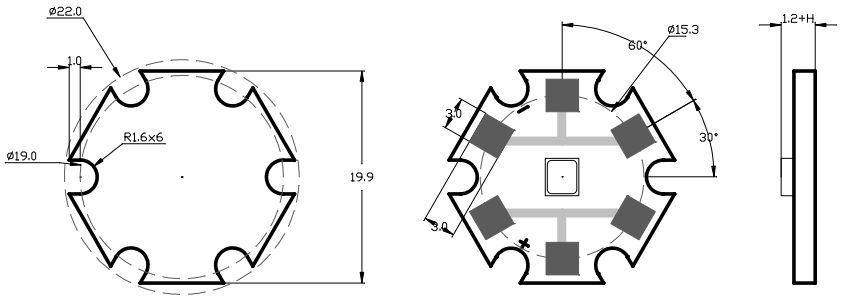
CREE LED Solution Provider



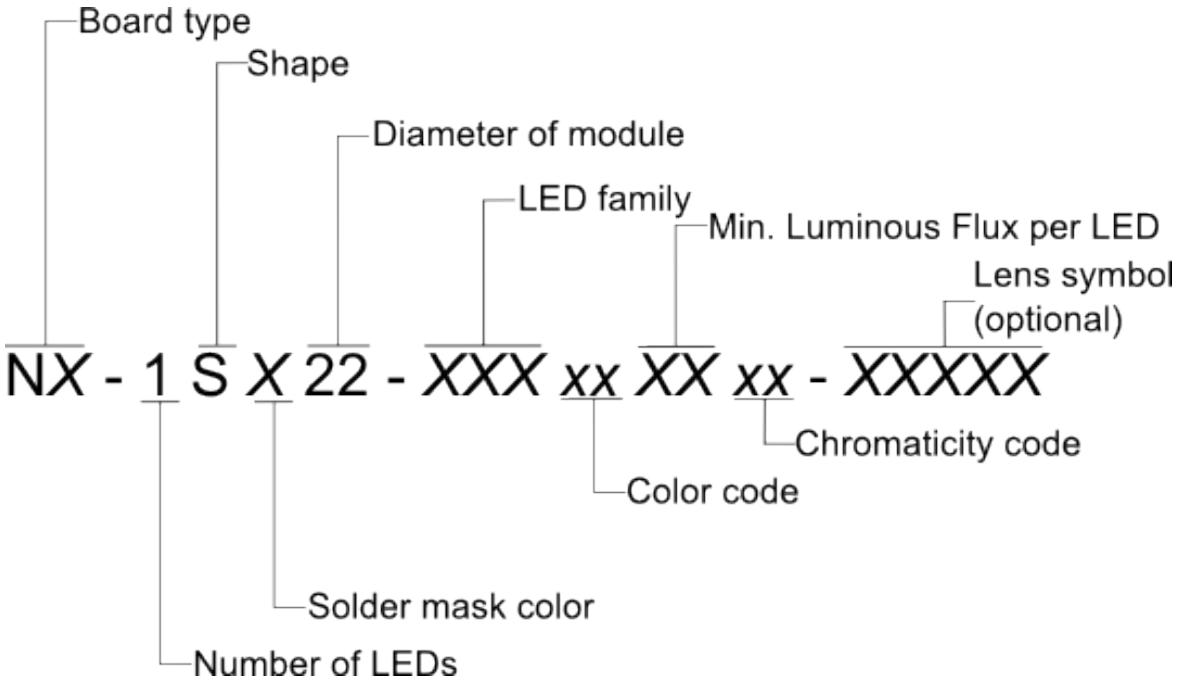
RoHS COMPLIANT ENERGY SAVING LED CREE LEDS INSIDE

SHORT DESCRIPTION

- Star MCPCB board with 22 mm diameter
- One LED
- Designed for Cree Xlamp Hight-Power LEDs ML-B, ML-E
- Compatible Lenses: Carclo BJB + 20 mm optics families



PRODUCT NOMENCLATURE



Board Type[1]

NX - 1SX22- 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- 1S X22- XXXxxXXxx- XXXXX

	Shape name
R	Rectangular
C	Round
S	Star
P	Polygonal

Soldermask Color[3]

NX- 1SX 22- XXXxxXXxx- XXXXX

	Color name
B	Black
O	Orange
W	White

LED family

NX- 1SX22- XXX xxXXxx- XXXXX

	Description	Suggested Board Type
MLB	Cree Xlamp ML-B Type	NV, NS, NT, NC, NM
MLE	Cree Xlamp ML-E Type	NV, NS, NT, NC, NM

Color

NX- 1SX22- XXXxx XXxx- XXXXX

	Color name	CTT Range [K]		Led families
		min	max	
WC	Cool White	5000	8300	MLB, MLE
WW	Warm White	2600	4300	MLB, MLE

Minimal Luminous Flux per LED

NX- 1SX22- 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- 1SX22- 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".

Lens Symbol (optional)[4]

NX- 1SX22- XXXxxXXxx- XXXXX

Following table contains some of example lenses for nGine.

Family	Example	Mounting	Manufacturer
BJB	**BJB10193, BJB10194, BJB10208**	Glue	carclo plc

Ordering Code Example

NT-1SB22-XMLWCT51C – 2 mm 5052 Alloy board with black soldermask, 1 XML cool white LED, T51C bin,

NT-1SB22-XMLWCT61C-BJB10194 – 2 mm 5052 Alloy board with black soldermask, 1 XML cool white LED, WCT61C bin, BJB and 10194 Carclo 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.

[2]Blind holes technology.

[3]Another soldermask color available on request.

[4]More lenses available on request.