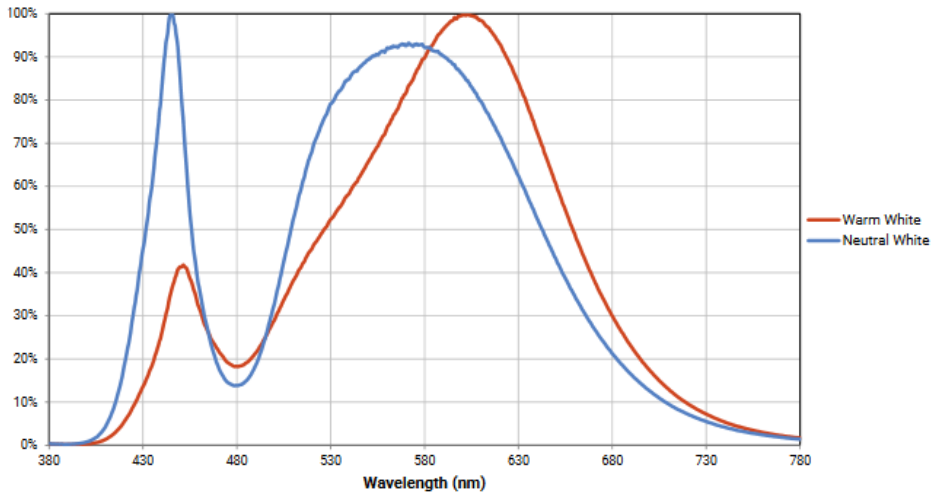
CREE MT G2: (**großflächiger Emitter**, daher schwer zu bündeln, daher höherer Floodanteil im Beam)
http://www.cree.com/LED-Components-and-Modules/Products/XLamp/Arrays-Directional/XLamp-

CRI	Color Temperature (K)		
	2700, 3000	3500	4000, 5000
Min 70			√
Min 80	√	√	√
Min 90	√		

Size	8.9 x 8.9 mm
Product Options	6 V 9 V 36 V
Maximum Drive Current	3 A (6 V) 2 A (9 V) 0.5 A (36 V)
Maximum Power	18.5 W
Maximum Light Output	1987.5 lm
Maximum Efficacy at Binning Conditions	137 lm/W
Typical Forward Voltage	5.7 V @ 1100 mA (6 V) 8.55 V @ 735mA (9 V) 34.2 V @ 185 mA (36 V)
Maximum Reverse Voltage	-5 V
Maximum Reverse Current	0.1 mA
Viewing Angle	115 °
Maximum Junction Temperature	150 °C
Binning	85°C 2- and 4-Step EasyWhite®
Maximum ESD Withstand Voltage	8000 V (HBM per Mil-Std-883D)
Reflow Solderable	Yes - JEDEC J-STD-020C-compatible
RoHS-Compliant	Yes
REACH-Compliant	Yes
UL-Recognized	Yes - Level 4 Enclosure Consideration

RELATIVE SPECTRAL POWER DISTRIBUTION (6 V, 1100 mA; 9 V, 735 mA; 36 V, 185 mA; T_J = 85 °C)

The following graph represents typical spectral output of the XLamp MT-G2 EasyWhite LED.



CREE XHP: kleinflächiger Emitter, leichter zu bündeln: super throw
http://www.cree.com/LED-Components-and-Modules/Products/XLamp/Discrete-Directional/XLamp-XHP35-HI

CRI	Color Temperature (K)		
	Warm White 2700 – 3500	Neutral White 4000 – 5000	Cool White 5700 – 7000
No Min		√	√
Min 70	√	√	√
Min 80	√	√	√
Min 90	√	√	√

RELATIVE SPECTRAL POWER DISTRIBUTION