

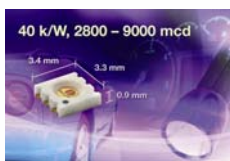


# LED Specifications



## Little Star® High-Brightness LEDs

LED-Series	VLMK71..	VLMR71..	VLMY71..	VLMW71..	VLMW711..
Color	Amber	Red	Yellow	Warm White	White
Technology	AllnGaP	AllnGaP	InGaN	InGaN	InGaN
Luminous intensity range	9000 mcd to 18000 mcd	7150 mcd to 11250 mcd	9000 mcd to 14000 mcd	9000 mcd to 14000 mcd	14000mcd to 22400 mcd
Luminous Flux	6100 mlm to 52000 mlm	21000 mlm to 33000 mlm	28000 mlm to 45000 mlm	24000 mlm to 52000 mlm	21000 mlm to 70000 mlm
Surge Current	500 mA	500 mA	500 mA	1000 mA	1000 mA
Power dissipation	1.2 W	1.2 W	1.2 W	1.4 W	1.4 W
Forward current	400 mA	400 mA	400 mA	350 mA	350 mA
Forward voltage (Max.)	2.8 V	2.8 V	2.8 V	4.0 V	4.0 V
Thermal resistance	20 K/W	20 K/W	20 K/W	18 K/W	18 K/W
Junction Temperature	+125 °C	+125 °C	+125 °C	+120 °C	+120 °C



## LEDs in the CLCC-6 Package

LED-Series / Color	VLMK62 / Amber	VLMW62 / White	VLMY62 / Yellow
Technology	AllnGaP	InGaN	AllnGaP
Luminous intensity range	2800 mcd to 5600 mcd	2800 mcd to 9000 mcd	2800 mcd to 5600 mcd
Wavelength dom.	625 nm	526 nm	470 nm
Forward current (max.)	30 mA	20 mA	20 mA
Forward voltage (max.)	2.4 V typ.	3.3 V typ.	2.4 V typ.
Power dissipation	450 mW	650 mW	450 mW



## Tri-Color LEDs

VLMRGB 343-ST-UV-RS	Red	Green	Blue
Technology	AllnGaP	InGaN	InGaN
Luminous intensity range	140 mcd to 285 mcd	285 mcd to 560 mcd	100 mcd to 200 mcd
Wavelength dom.	625 nm	526 nm	470 nm
Forward current (max.)	30 mA	20 mA	20 mA
Forward voltage (max.)	1.8 - 2.45 V	3.7 - 4.25 V	3.7 - 4.25 V
Power dissipation	75 mW	85 mW	85 mW