



Notes: 1. All dimensions are in millimeters

Electrical Characteristics

Number and type of LED	Power Consumption	Operating Voltage		Surface temperature in operating condition	Environment operation temperature
		V AC	V DC		
3 x 1W	5 W	12 ± 10% V	12 – 15 V	< 85° C	< 50° C

Optical Characteristics

Part no	Colour	Viewing Angle	Colour Temperature			Flux Typ	Illuminance Typ (at 1m)
			Min	Typ	Max		
TKC47MR3W101	white	10°	4500 K	5500 K	10000 K	90 lm	1850 lx
TKC48MR3W301	white	30°	4500 K	5500 K	10000 K	50 lm	170 lx
TKC49MR3F101	warm white	10°	2850 K	3300 K	3800 K	30 lm	500 lx
TKC50MR3F301	warm white	30°	2850 K	3300 K	3800 K	25 lm	70 lx

Part no	Colour	Viewing Angle	Dominant Wavelength			Flux Typ	Luminous Intensity Typ
			Min	Typ	Max		
TKC53MR3R101	Red	10°	620 nm	625 nm	645 nm	80 lm	1500 cd
TKC61MR3R181	Red	18°	620 nm	625 nm	645 nm	45 lm	380 cd
TKC67MR3R301	Red	30°	620 nm	625 nm	645 nm	50 lm	150 cd
TKC54MR3R301	Red	30°	620 nm	625 nm	645 nm	40 lm	120 cd
TKC51MR3Y101	Yellow	10°	584 nm	590 nm	597 nm	80 lm	1500 cd
TKC62MR3Y181	Yellow	18°	584 nm	590 nm	597 nm	45 lm	320 cd
TKC66MR3Y301	Yellow	30°	584 nm	590 nm	597 nm	50 lm	140 cd
TKC52MR3Y301	Yellow	30°	584 nm	590 nm	597 nm	40 lm	110 cd
TKC58MR3G101	Green	10°	520 nm	530 nm	550 nm	90 lm	1520 cd
TKC59MR3G181	Green	18°	520 nm	530 nm	550 nm	50 lm	270 cd
TKC60MR3G301	Green	30°	520 nm	530 nm	550 nm	50 lm	105 cd
TKC56MR3B101	Blue	10°	460 nm	470 nm	490 nm	40 lm	1150 cd
TKC57MR3B181	Blue	18°	460 nm	470 nm	490 nm	12 lm	80 cd
TKC55MR3B301	Blue	30°	460 nm	470 nm	490 nm	25 lm	60 cd

Date: 13 July 2007

NOTE: Specifications are subject to change without further notice