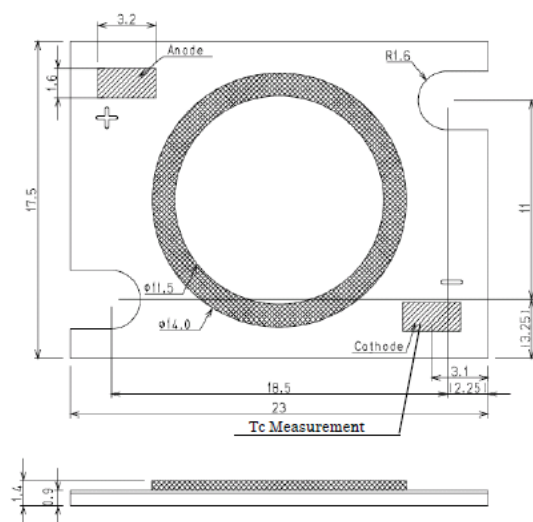
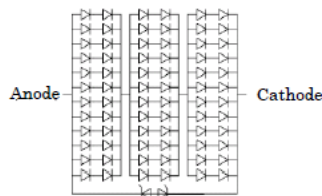


SINGLE LED SOLUTION FOR 100W BULB REPLACEMENT
SINGLE LED SOLUTION FOR 2x11W CFL REPLACEMENT

KLHP1813WS (5000K)
KLHP1813WWS (3000K)



Tolerances unless otherwise specified : ±0.3mm
Unit : mm

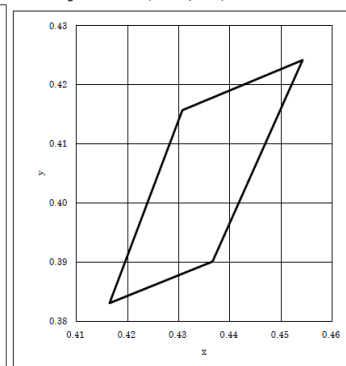
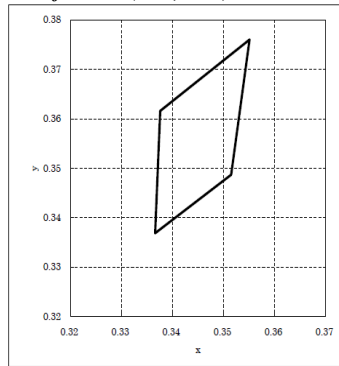


Electro-optical Characteristics

Color Bin of 5000K (0.34, 0.35)

Color Bin of 3000K (0.43, 0.4)

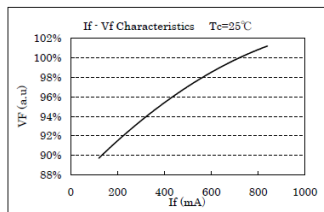
Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Forward Voltage	V_f	$I_f=700mA$	17.4	18.5/19	21	V
Reverse Current	I_r	$V_r=15V$	-	-	100	μA
Thermal Resistance	R_{j-c}	Jn-Case	-	2.35	-	$^{\circ}C/W$
Luminous Flux	ϕ_v W	700mA	-	1410	-	Lm
	WW	1400mA	-	2600	-	Lm
CRI	Ra	W	700mA	65	-	-



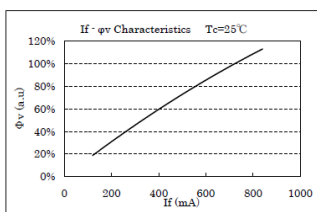
Maximum Rating 17.7W -0.84A Max.

Upgraded Flux 1410/13W-1600/17W Lumen

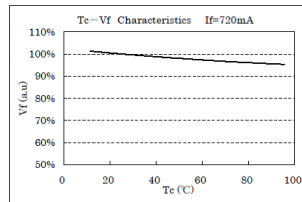
Forward Current vs. Forward Voltage



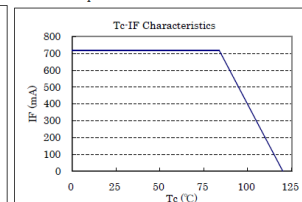
Forward Current vs. Relative Luminous Flux



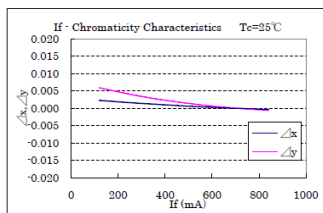
Case Temperature vs. Forward Voltage



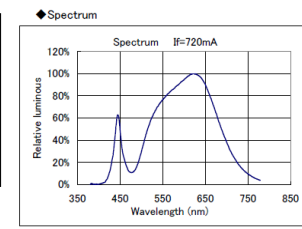
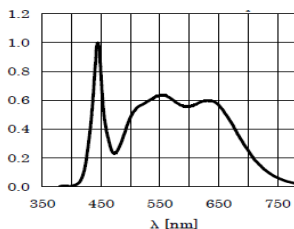
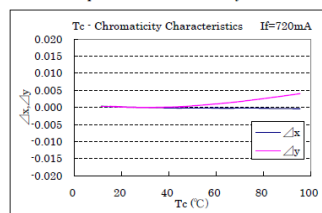
Case Temperature vs. Allowable Forward Current



Forward Current vs. Chromaticity Coordinate



Case Temperature vs. Chromaticity Coordinate



Have heart for your planet. Switch to PolyWa LEDs



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KPD/PolyWa13Watt / Rev01

Dt.01.12.2010