

# Benchmark 6J v. s. ○○

@350mA

	STANLEY					
	3J30X	NEW 6J30X	NEW 6J30Y	OLD XPG	NEW? XPG	Rebel
CRI Ra R9	70-80 (30)	70-80 (30)	85 Min50	80 (20)	80 (20)	85 TYP15
Luminous Flux (typ)	125lm 120140	140lm 130-150	110lm 100-120	110lm Q5(107-114)	(135lm) Q5(130-139)	85lm
Luminous Flux (min)	120lm	130lm	100lm	107lm	130lm	75lm
Luminous efficiency	119lm /W	133lm /W	105lm /W	106lm /W	129lm /W	81lm /W
Sulfide Protection	◎	◎	◎	△	△	○
Vf MAX	3.00 3.25	3.00 3.25	3.00 3.25	3.00 3.75	3.00 3.75	3.00 3.99

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CRI

## STANEY

3J-30X 6J-30X 3J-50Y 6J-50Y



R9(Red) value is above 30 in Ra70.



R9(Red) value is above 50 in Ra85.

Other maker Ra90 LED XPG?



R9(Red) value is below 20, even CRI is Ra85

Ra is the average of CRI R1-R8.  
'Red' is not included in the CRI R1-R8.

**Stanley High CRI LED has the advantage in 'Red' color !**

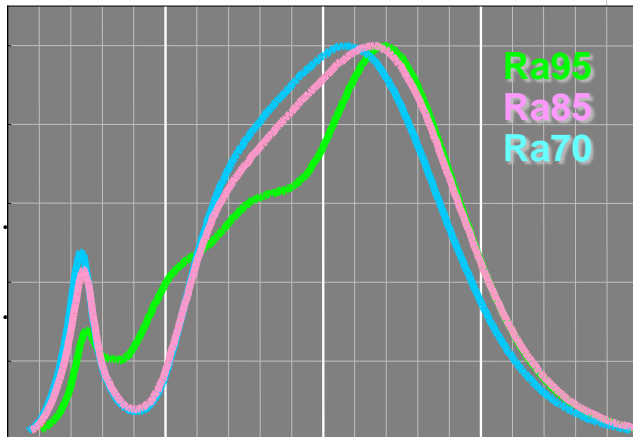
# Benchmark 6J v.s ○○

Spectral distribution

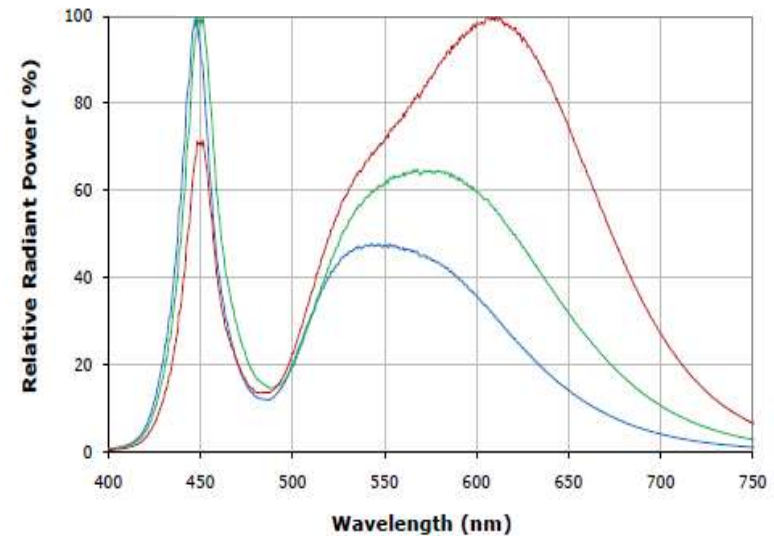
STANLEY 3J6J

newXPG

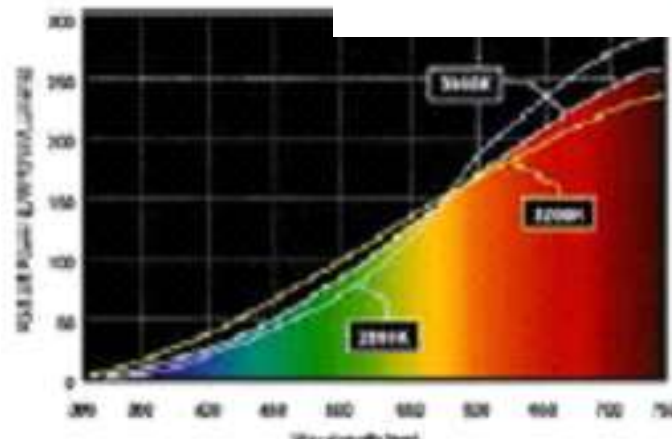
3000K Spectral distribution



— 2600K - 3700K CCT



Incandescent



# Benchmark 6J v. s. ○○

Vf- Luminous efficiency  
@350mA

## STANLEY

NEW? XPG

Data sheet: Max 3.25V

Typ 3.0V

Actual use: Max 3.1V

Data sheet: Max 3.75

Typ 3.0V

3.1V

3.25V

3.75V

Luminous Flux(min)

130lm

130lm

@350mA

@350mA

MAX

1.08W

1.14W

MAX

1.31W

Luminous efficiency

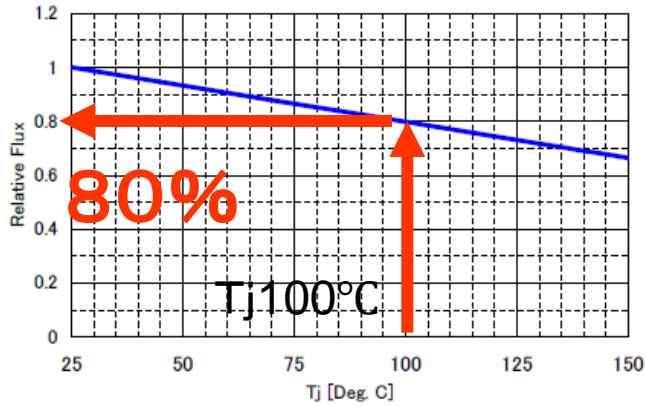
120lm/W

114lm/W

97.0lm/W

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STANLEY  
6J-30X

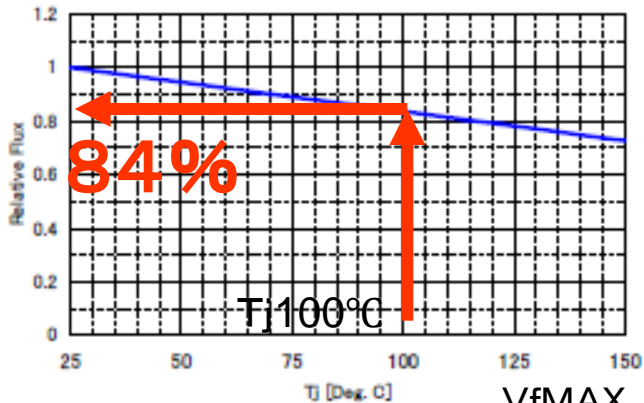


TYP  
140lm

↓  
112lm  
110lm/W

↓  
98.2lm/W

STANLEY  
6J-30Y



TYP  
110m

↓  
92.4lm

↓  
90.5lm/W

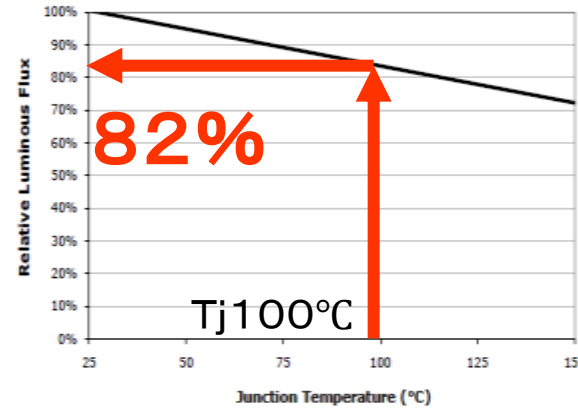
↓  
81lm/W

VfMAX  
1.08w

VfMAX  
1.08w

NEW XPG?

@350mA



TYP  
135lm

↓  
110.7lm  
118lm/W

↓  
84.5lm/W

VfMAX  
1.31w