

TX-90100WS500FC120-NUVENG-01H95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from white LED chip operating under W:3.5A*4 S:3.5A*4 .
- ◆Provide uniform cross distribution of positive white and warm white dual color scheme, mixed pure.
- ◆No UV.
- ◆High luminous output.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆GaInN
- ◆GaInN

Emitting Color:

- ◆White
- ◆Warm White

Applications:

- ◆Auxiliary lighting
- ◆Ambient lighting
- ◆Architectural lighting

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Electrical Optical Characteristics

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	v	If=3.5*4=14A (Tc=25°C)	1/3/5/7:W	28460	30500	32730	lm
			2/4/6/8:S	18700	20100	21520	
		If=3.5*4=14A (Tc=85°C)	1/3/5/7:W	25320	27145	29130	
			2/4/6/8:S	15140	16280	17450	
Forward Voltage	V _f	If=3.5*4=14A (Tc=25°C)	1/3/5/7:W	33	36	39	V
			2/4/6/8:S	33	36	39	
		If=3.5*4=14A (Tc=85°C)	1/3/5/7:W	32	35	38	
			2/4/6/8:S	32	35	38	
Correlated Colour Temperature	CCT	If=3.5*4=14A (Tc=25°C)	1/3/5/7:W	6000	—	6500	K
			2/4/6/8:S	2700	—	2870	
		If=3.5*4=14A (Tc=85°C)	1/3/5/7:W	6150	—	6670	
			2/4/6/8:S	2725	—	2900	
Viewing Angle at 50% IV	2 1/2	—	1/3/5/7:W	—	115	—	Deg
			2/4/6/8:S	—	115	—	
Reverse Current	I _R	—	1/3/5/7:W	—	—	—	μA
			2/4/6/8:S	—	—	—	
Thermal Resistance Junction to Case	R _{J-C}	—	1/3/5/7:W	—	0.023	—	K/W
			2/4/6/8:S	—	0.023	—	
Temperature Coefficient of Voltage	VΔF/T	If=3.5*4=14A	1/3/5/7:W	—	-19	—	mV/°C
			2/4/6/8:S	—	-19	—	
Color Rendering Index	Ra	If=3.5*4=14A	1/3/5/7:W	95	97.5	—	—
			2/4/6/8:S	95	97.5	—	—

Notes:

- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement tolerance:±0.15V.



