

МОЩНЫЙ СВЕТОДИОД ARPL-26W-TFA-1616-95

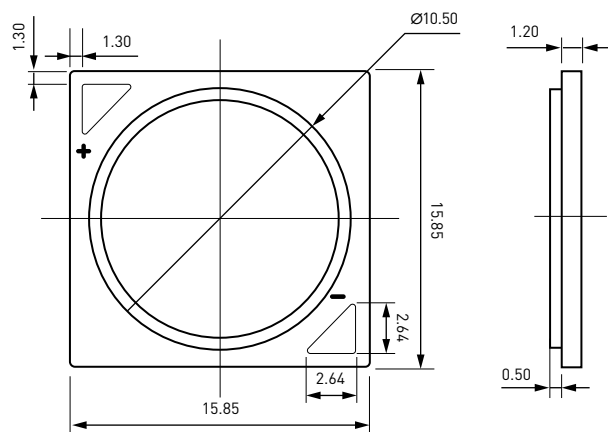
FEATURES

- 2700K, 3000K, 4000K 115-140lm/W, CRI95
- For indoor general lighting: spotlights, track lights, downlights
- For Industrial lighting: floodlight, high bay light, streetlight
- Low thermal resistance
- RoHS and REACH compliant

SUPERIORITY

- High brightness and light efficiency.
- High color saturation.
- Easy to use with solar and wind energy saving systems.
- Enhanced optical control.
- Greatly reduce the thermal resistance of the light source, improve the weather resistance quality of the light source.
- Reduce the cost of use.
- Reduce maintenance costs.
- No environmental disposal issues.

MECHANICAL DIMENSION



Notes:
1. All dimension tolerance is $\pm 0.2\text{mm}$ unless otherwise noted.



ABSOLUTE MAXIMUM RATINGS

Item	Symb.	Min.	Typ	Max.	Unit
Power	P	-	26	30	W
Forward Voltage	VF	33	35	37	V
Forward Current	I_F	-	700	800	mA
Operating Temperature	TC	-40	-	85	°C
Junction Temperature	T_J	-	-	125	°C
Storage Temperature	T_{STG}	-40	-	105	°C
ESD Sensitivity	ESD	-	-	2000	V
Reverse Voltage	VR	Reverse testing is not allowed			/
Reverse Current	IR				5 μA
Soldering Temperature	T_{SLD}	350 °C/3-5sec			°C/S

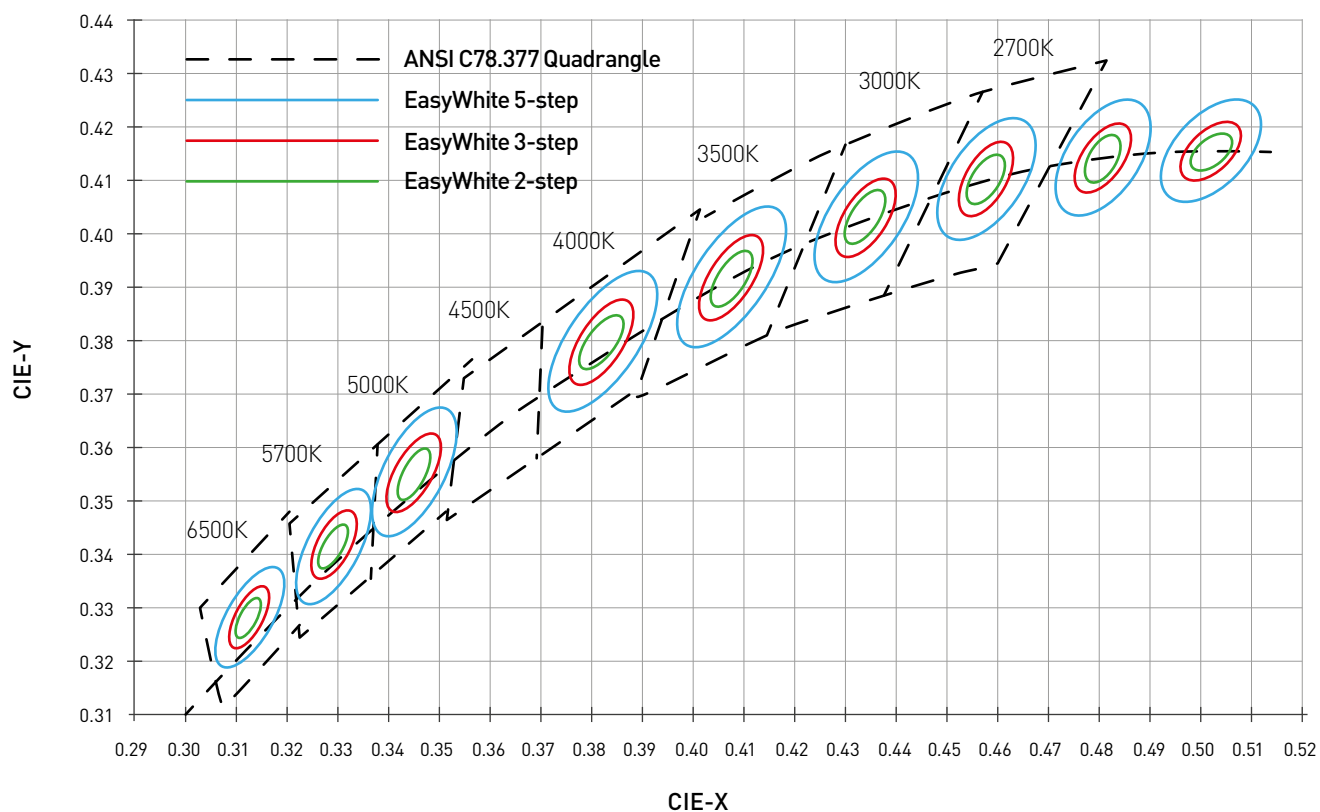
Max power and positive current mean the maximum setting value of the bottom temperature of led light source by using the appropriate heat sink.
Connection error and off-limits voltage may damage LED chip.

ELECTRO-OPTICAL CHARACTERISTICS AT $T_J=25\text{ }^\circ\text{C}$

Product	RA	CCT (K)	Luminous Flux (lm) 700mA	Efficacy (lm/W) 700mA	Voltage (V) VF700mA
ARPL-26W-TFA-1616-95 (35v, 700mA)	95	2700	2850-3090	115-125	33-37
		3000	2940-3190	120-130	
		4000	3190-3430	130-140	

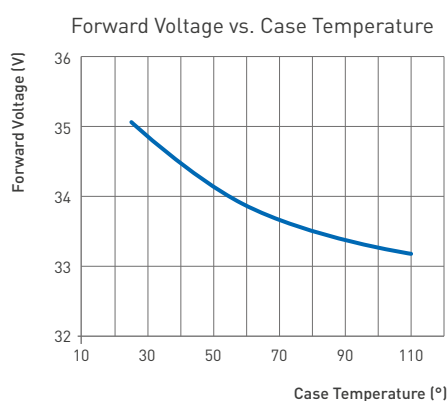
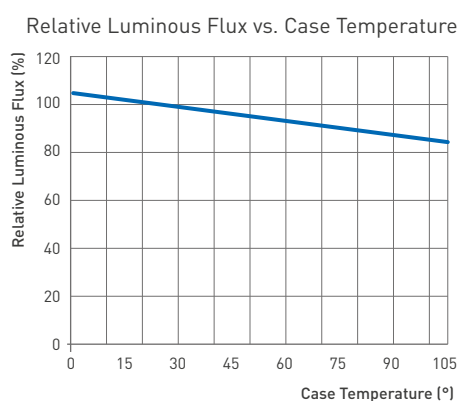
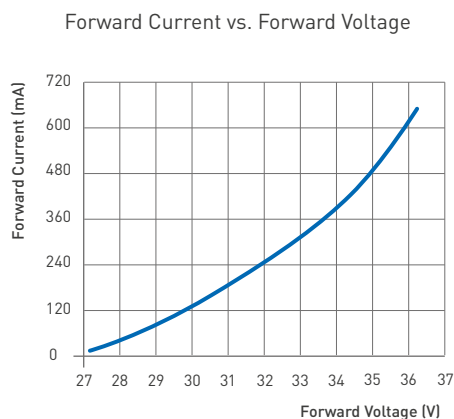
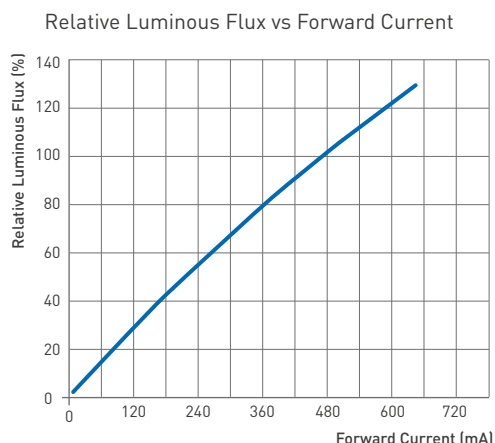
Testing environment temperature 25 °C, and CCT and voltage will be changed if tested in different current and environment temperature.
Tolerance among different testing machine: Voltage: $\pm 0.1\text{V}$, Lumen $\pm 5\%$, CR ± 2 , Color coordinate ± 0.005 .

THE REFERENCE MAP COLOR AREA

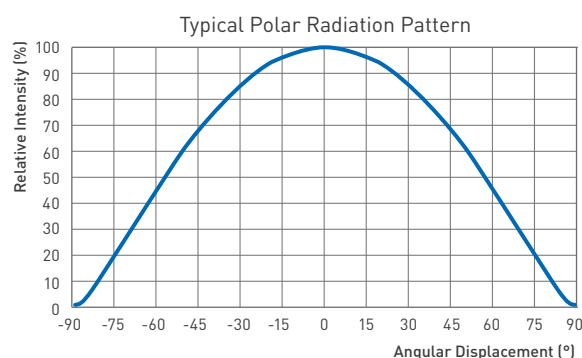
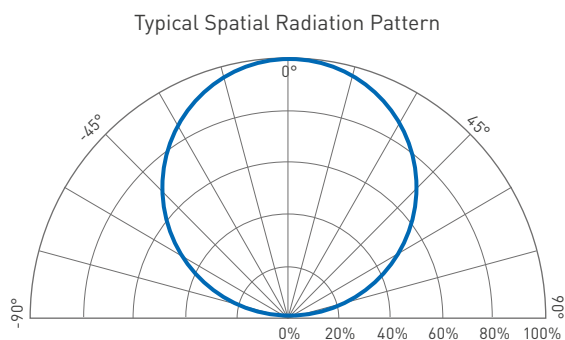


Nominal CCT	Center Point		MAJOR AXIS (a , b)			Ellipse Rotation
	X	Y	2-Step	3-Step	5-Step	
2700 K	0.4578	0.4101	(0.0054, 0.0028)	(0.0081, 0.0042)	(0.0135, 0.007)	53.7

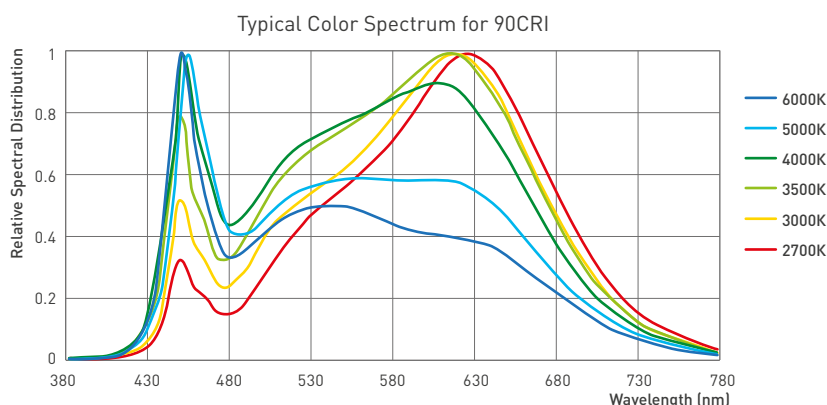
CHARACTERISTIC CURVES



OPTICAL CURVES



Typical viewing angle is 120°. The viewing angle is defined as the off axis angle from the center line where intensity is 1/2 of the peak value.



1. Color spectra measured at nominal current for $T_j = T_c = 25^\circ\text{C}$.
2. Color spectra shown is 2700K and 6000K with CRI90.