

AB-L58D13Wxx4N2

Features:

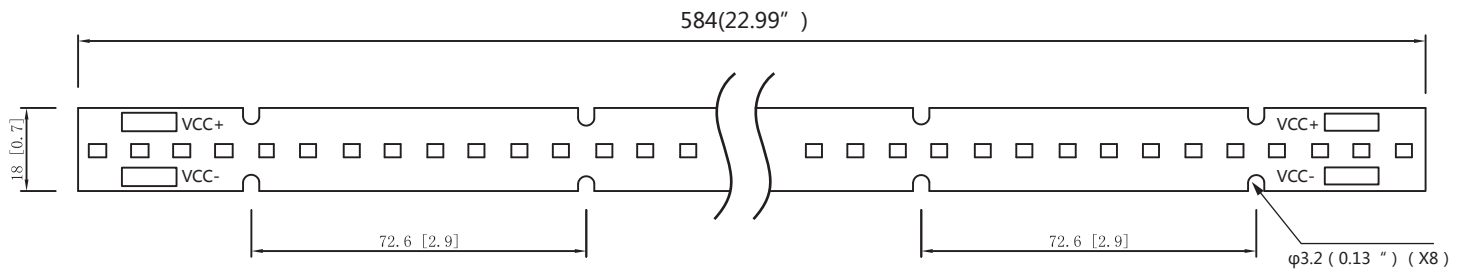
- DC Linear light engine
- Easily assembly light engine

Applications:

- Cove light
- Ceiling light



Outline Dimensions



LED Qty:64ea

PCB thickness=1.0mm(0.04")

Unit:mm(inch)

Units: mm

Notes:

1. 4 pcs terminal connectors were used for the serial connection
2. Thickness of PCB: 1.0mm
3. Tolerance of dimension: $\pm 0.15\text{mm}$

Characteristics

■ Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
Input Current	lin	1200	mA
LED Junction Temperature	T _j	115	°C
Storage Temperature	T _{stg}	-40 ~ 100°C	°C
Operation Temperature	T _{opr}	-40 ~ 45°C	°C

- Proper current rating must be observed to maintain junction temperature below maximum at all time. For this product, we suggest to keep the Temperature of TC point under 75°C, and the temperature of Top IC surface under 115°C. After passing the maximum temperature of IC, the rating current will be lower automatically for protecting the whole circuit.

■ Electrical Characteristics, Ta=25°C

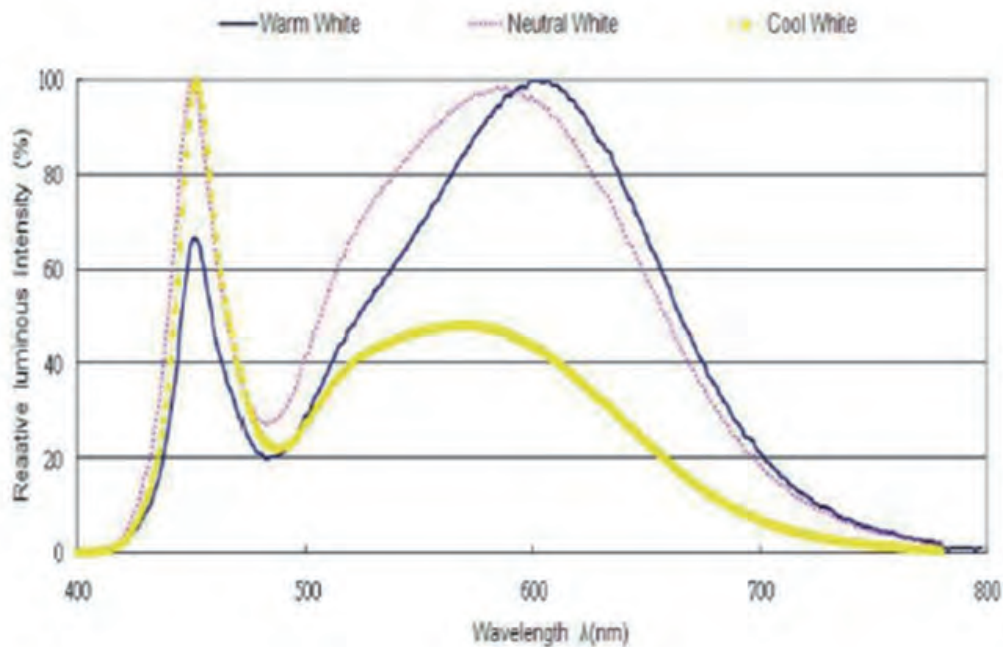
Parameter	Symbol	Spec	Max.	Unit
Forward voltage	V _f	24.4(typ.)		V _{dc}
Input Current	lin	520	1200	mA

■ Optical Characteristics(V_{in}=120V), Ta=25°C

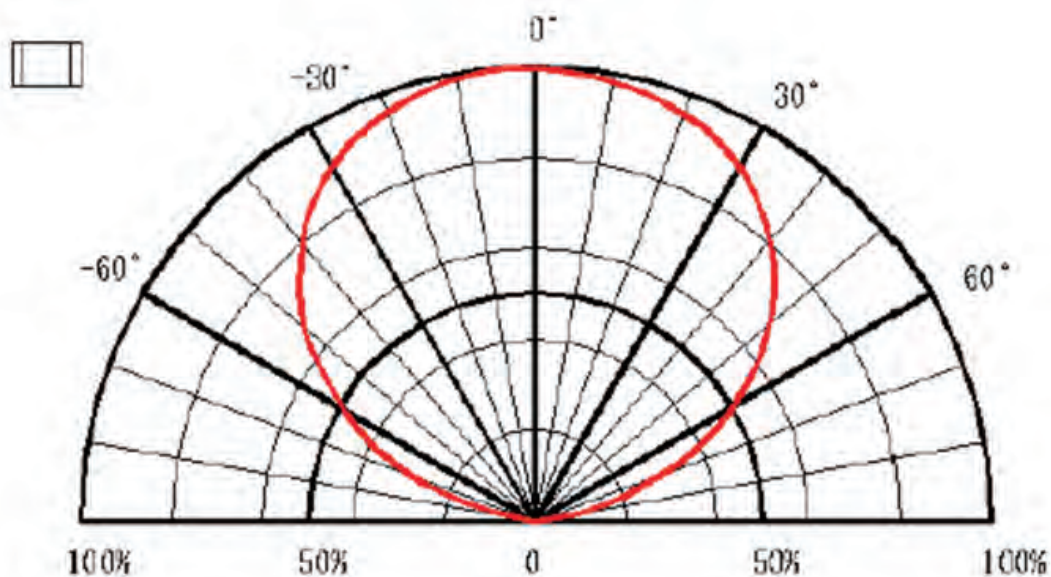
Model name	Color Temp	Spec Luminous Flux		Max Luminous Flux		CRI
	(K)	Current	lumen	Current	lumen	
AB-L58D13W304N2	3000	520	1900	1200	4000	>80
AB-L58D13W354N2	3500	520	1900	1200	4000	>80
AB-L58D13W404N2	4000	520	2030	1200	4280	>80
AB-L58D13W504N2	5000	520	2030	1200	4280	>80

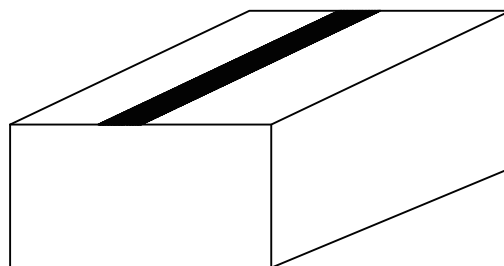
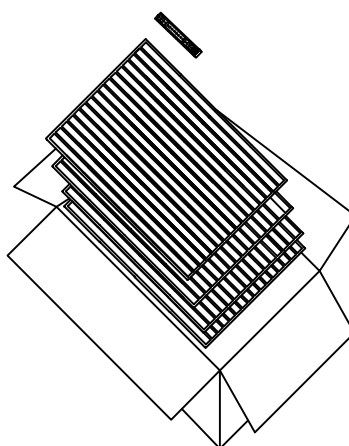
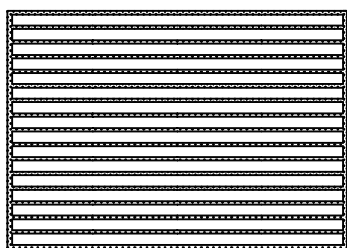
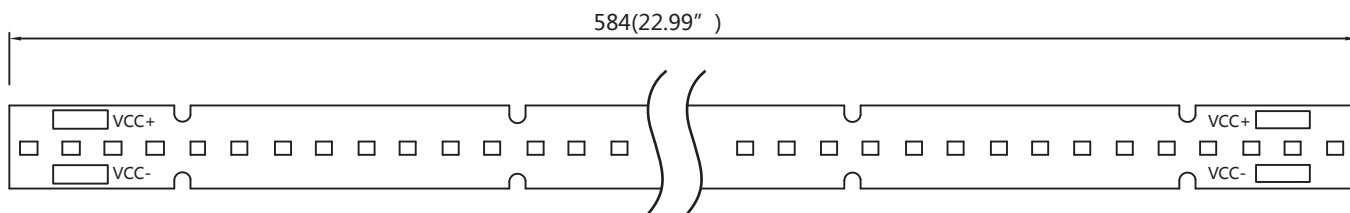
- Correlated color Temperature is derived from the CIE 1931 Chromaticity diagram.
- The luminous flux tolerance is ± 10%.
- This CRI value tolerance is ± 2.
- Calibration accuracy of CIE_x and CIE_y : ±0.007 ;
- Calibration error CCT 3000K ±175K; 4000K ±300K ; 6500K ±400K

■ Relative Spectrum of Emission (Ta=25°C)



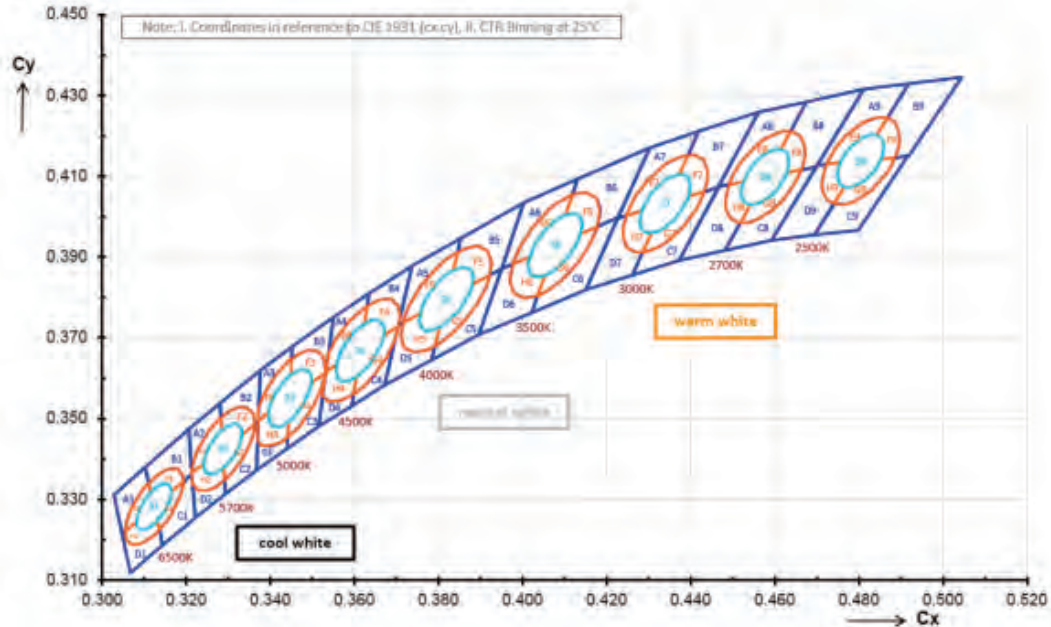
■ Radiation Pattern



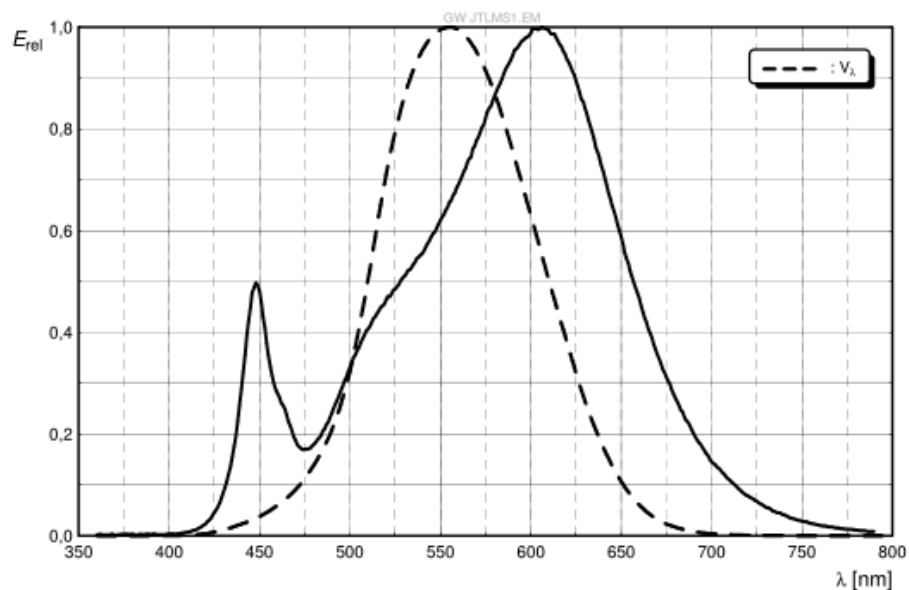


Model	Part number	box(pcs)	Ret Weight/box	Gross Weight/box
1	AB-L58D13Wxx4N2	250	4.8	5.8

Chromaticity Coordinate Groups 5) page 24
Farbortgruppen 5) Seite 24



Relative Spectral Emission - $V(\lambda)$ = Standard eye response curve 6) page 24
Relative spektrale Emission - $V(\lambda)$ = spektrale Augenempfindlichkeit 6) Seite 24
 $\Phi_{rel} = f(\lambda)$; $T_J = 25^\circ\text{C}$; $I_F = 60\text{ mA}$



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$I_{rel} = f(\phi); T_J = 25^\circ\text{C}$

