

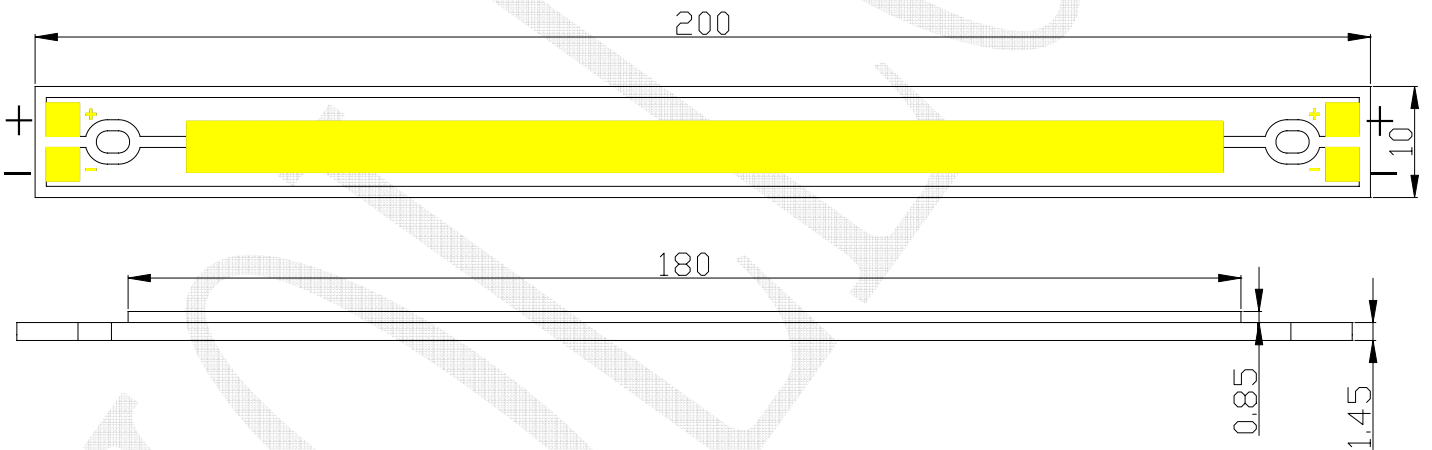


PRODUCT SPECIFICATION

※ Features:

- ◇ More Energy Efficient than incandescent and most halogen lamps
- ◇ Long operating life
- ◇ Low forward voltage operated
- ◇ Instant light (less than 100ns)
- ◇ No UV

※Outline Dimensions



REVISION	ECN/ECR INFORMATION	TITLE:	SHEET No.
A	ECN NO. DATE	10W COB Linear LED 200mm	1 of 3
P/N#: VL-H03W5501070R20	CREATED By	CHECKED By	APPROVED BY



PRODUCT SPECIFICATION

※ Absolute Maximum Ratings at Ta=25°C:

Parameter	Symbol	Maximum	Unit
Power Dissipation	Pd	10	W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IF(peak)	1100	mA
Continuous Forward Current	IF	800	mA
LED junction temperature	JT	120	°C
Reverse Voltage	VR	5	V
Operating temperature range	Topr	-20°C to + 80°C	
Storage Temperature Range	Tstg	-30°C to + 100°C	

※ Electrical/Optical Characteristics at Ta=25°C:

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Luminous flux	ϕ	IF=800mA	570	670	720	Lm
Viewing Angle	2 θ 1/2	IF=800mA				deg
Forward Voltage	V _F	IF=800mA		10	12	V
Reverse Current	I _R	VR=5V				uA
Color Rendering Index Calculation	Spm	X	0.46		0.48	
	Spm	Y	0.47		0.49	
Correspondingly	CCT	IF=800mA	3000		3500	K

REVISION A	ECN/ECR INFORMATION ECN NO. DATE	TITLE: 10W COB Linear LED 200mm	SHEET No. 2 of 3	
P/N#: VL-H03W5501070R20		CREATED By	CHECKED By	APPROVED BY



PRODUCT SPECIFICATION

※Typical Electrical/Optical Characteristics Curve: (25°C Ambient Temperature Unless Otherwise Noted)

Fig1. Relative Intensity vs. Wavelength

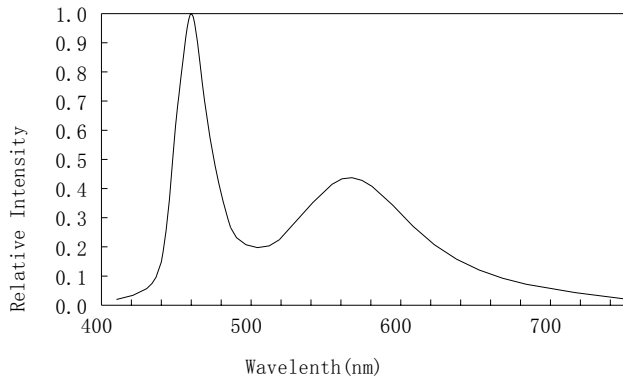


Fig2. Forward Current vs. Forward Voltage

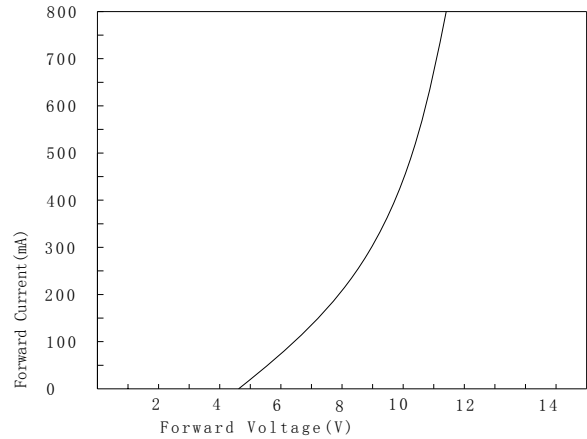


Fig3. Forward Current vs. Relative Intensity

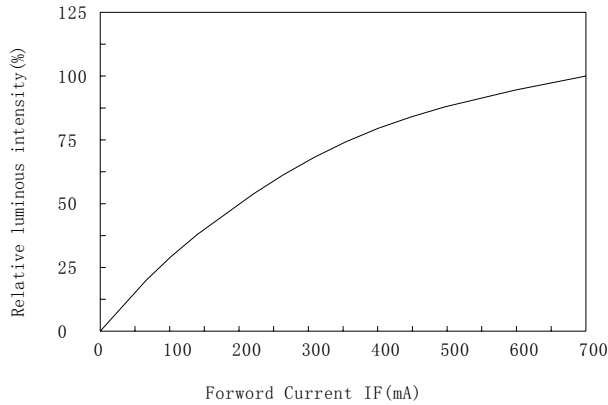
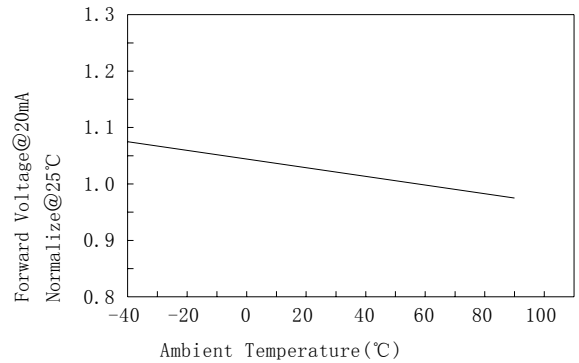


Fig4. Forward Voltage vs. Temperature



※**Cautions:**

Used this products , your may put the POWER LED lose hot chips and touch the lose hot install or enlarge the lose hot condition , so that when the lighting ,the products can lose hot , make sure that the lighting and long lifespan .

REVISION	ECN/ECR INFORMATION	TITLE:	SHEET No.
A	ECN NO. DATE	10W COB Linear LED 200mm	3 of 3
P/N#: VL-H03W5501070R20	CREATED By	CHECKED By	APPROVED BY