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## 1. Product Description/

high reliability and high safety;

2835 LED Package, high lighting efficiency, low heat, without Mercury, belong to the environmental protection cold light source;

2835LED

The protection of the lamp is up to IP67, with beautiful appearance, no fouling situation.

IP67

Designed for normal and low temperature refrigeration walk-ins and display case applications;

Ideal for C-Stores, Grocery, and B



## 2.Product Specification /

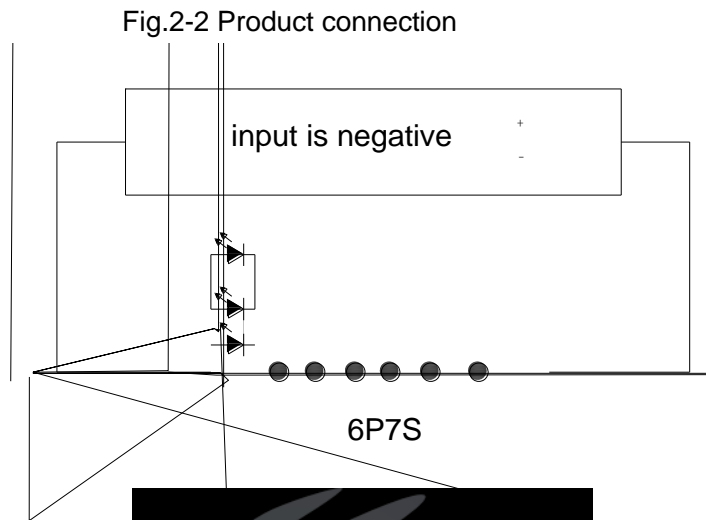
### 2.1 Optical-electrical Characteristics(Absolute Maximum Ratings At Ts=25 )/

Tab.2-1Optical-electrical Characteristics

Refond PN	Customer PN	Module Characteristics				
		Current mA	Voltage(V)	Power(W)	Module LM	
		Typ	Typ	Typ	Min	Max
RF-MTB652T07-A1 6000-6500K	-			7± 8%	875	980
Color Rendering Index	80			Typ		
					24	
					"5	

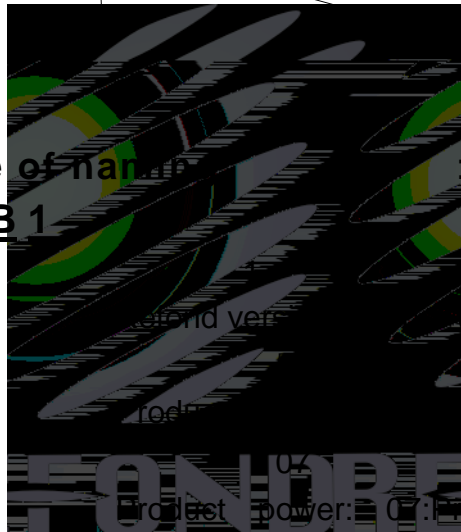
Parameter	Absolute Maximum Rating	Units
Forward Current	292± 8%	mA
Peak Forward Current	I <sub>FP</sub> 380	mA
Reverse Voltage	V <sub>R</sub> 5	V
Electrostatic Discharge (HBM)	E <sub>SD</sub> 2000	V
Operating Temperature	T <sub>OPR</sub> -40 ~ +85	
Storage Temperature	T <sub>STG</sub> -40 ~ +100	
Junction temperature LED	T <sub>J</sub> 115	

## 2.2 Product Schematic And Interface Definition/



## 2.3 Product Module rule of naming

RF MT B 65 2 T 07 B 1



1: the first version)

y B Top view

7W

product power: 07: Product is 7W

+ • 780

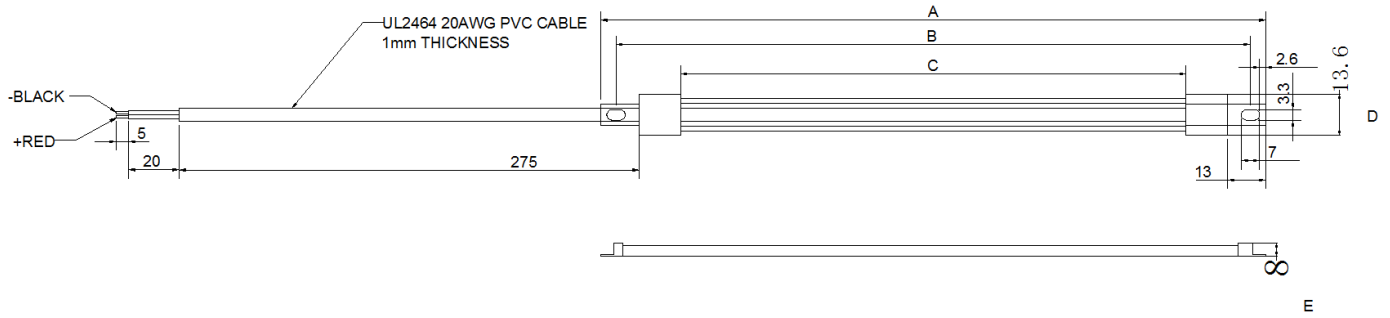
Product CRI + • 780

LED 2 2835

LED Package type 2 2835

### 3. Product Specification /

#### 3.1 Outline Dimension /



A			
B			
C			
D			
E			



## 4. Product Reliability Test/

Tab 4-1 Light Bar Reliability Test

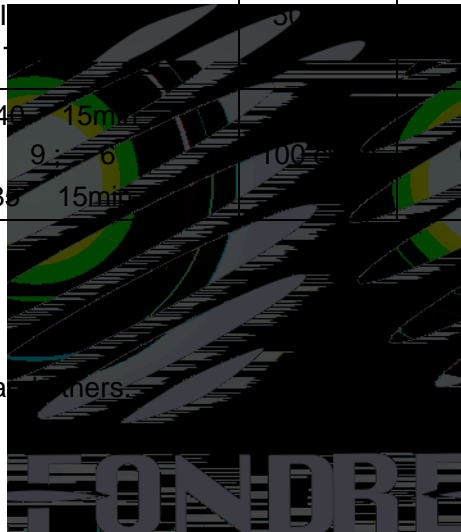
Test Item/	Test Conditions/	Test Time/	Number Of Test/	Judgement Criterions/
Operating Life At Room Temperature/	$T_A=25$ $I_F=300mA$ $T_J<115$	500Hrs	0/6	1. - $V_f<110\%$ , $CIE\ x/ y<0.015$ 2.No catastrophic failure
Operating Life At High Temperature/	$T_A=60$ $I_F=300mA$ $T_J<115$	500Hrs	0/6	
Operating Life At High Temperature And Humidity/	60 $R_H=90\%$		0/6	
Thermal Shock/	-40 9: 15min 85 15min		0/6	No DeadLED

Notes

voltage distribution, heat dissipation and others.

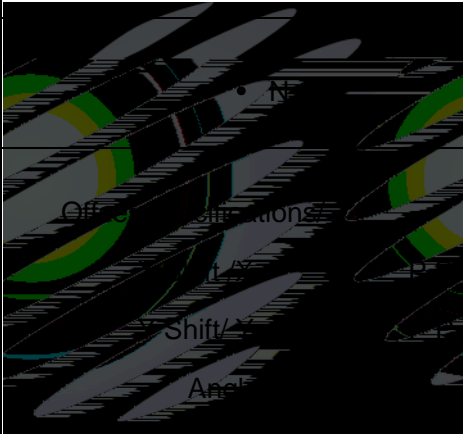
LED

/ LED



## 5. Product Materials Performance Test And Method At Ta=25 /

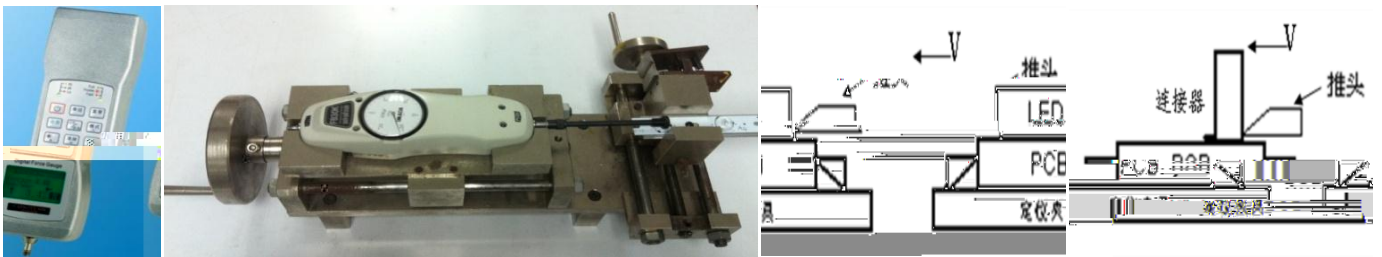
Tab 5-1 Light Bar Materials Performance Test And Method Ta=25

Test Item/	Test Conditions/	Test Methods/
LED Optical-electrical Characteristics/LED	Compliance With Specifications/	Integrating Sphere/
Connector Pull Force/	• N J I	Notes/
LED Push & Pull Force/ LED		
LED Welding Standards/ LED		

Notes

Fig 5-1 Push & Pull Test Equipment

Fig 7-2 Push & Pull Test Method

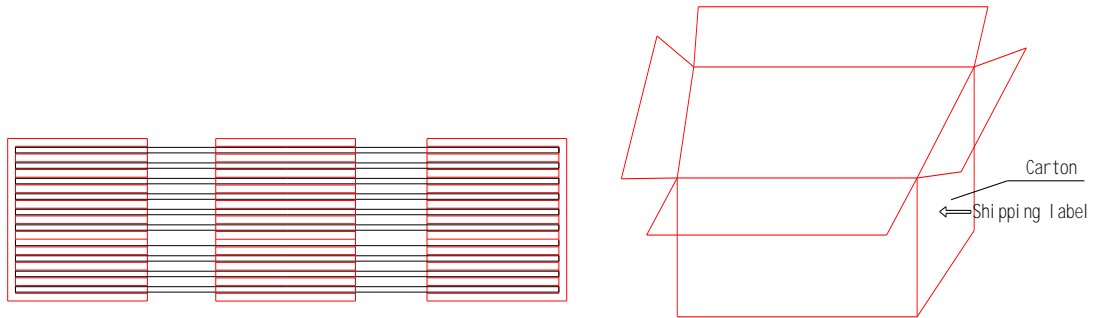




## 6.Packing Criterion/

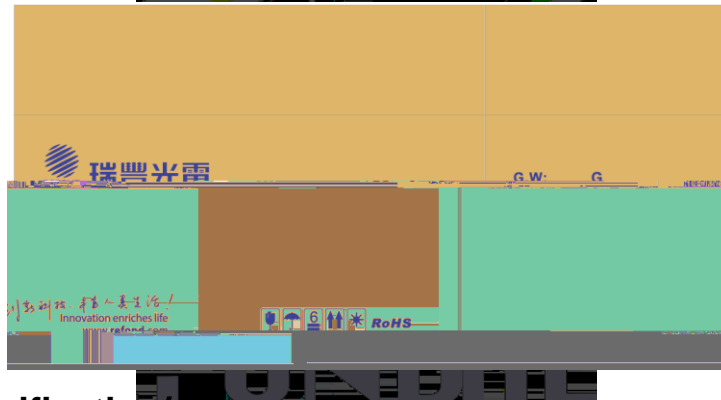
### 6.1 Package Diagram /

Fig 8-1Package Diagram /



### 6.2 Carton silk printing/

REFOND LOGO



### 6.3Label Form Specification/

REFOND SHENZHEN REFOND OPTOELECTRONICS CO.,LTD.

customer PN			
/P.N			
/BIN CODE		/LM	
/VF		/CCT	
/CRI		/QTY	
/N.W		/DATE	











Declare

This specification is written both in English and in Chinese and the latter is formal.