



LEDTECH ELECTRONICS CORP.

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[Http://www.ledtech.com.tw](http://www.ledtech.com.tw)

## SPECIFICATION

*PART NO. :LT641G-H104-C17*

4.8MM ROUND LED LAMP WITH HOLDER

Approved by	Checked by	Prepared by
<i>Fang</i>	<i>Dobby</i>	<i>Kssys</i>



**4.8MM ROUND LAMP WITH HOLDER**  
**PART NO. : LT641G-H104-C17**

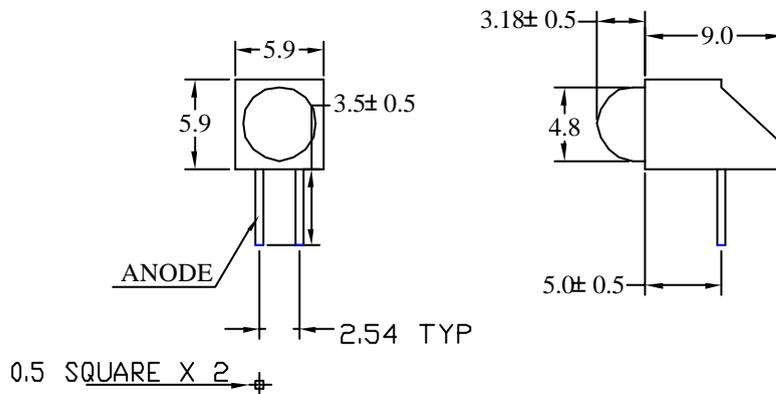
**Features**

- \* Versatile mounting on PC board or panel.
- \* Low power consumption
- \* High light output
- \* Free combination and easy to assembly.
- \* Reliable and rugged
- \* IC compatible

**Description**

The LED assembly is made from plastic holder and combination of lamps. It will easily mount the applicable lamps on any panel.

**Package Dimensions**



Notes:

- 1.All dimensions are in millimeters.
- 2.Tolerance is  $\pm 0.25$ mm unless otherwise noted.

Part No.	Led Chip		Lens Color
	Material	Emitting Color	
LT641G-H104-C17	GaP/GaP	Green	Green diffused



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**Absolute Maximum Ratings at Ta=25 :**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	78	mW
Reverse Voltage	Vr	5	V
D.C. Forward Current	If	30	mA
Peak Current (1/10 Duty Cycle , 0.1 ms Pulse Width)	If(Peak)	100	mA
Operating Temperature Range	Topr	-25 to +85	
Storage Temperature Range	Tstg	-40 to +100	
Lead Soldering Temp.(1.6mm from body) for 5 seconds		260	

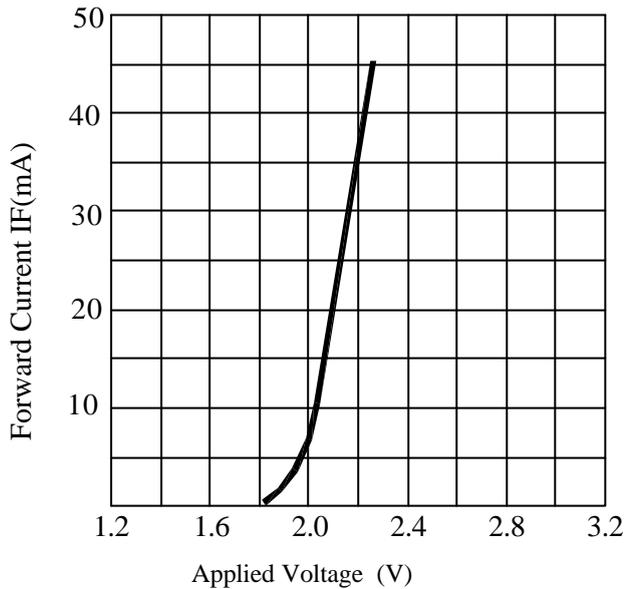
**Electrical and Optical Characteristics :**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	16.0	28.0		mcd
Forward Voltage	Vf	If=20mA		2.1	2.6	V
Peak Wavelength	P	If=20mA		567		nm
Dominant Wavelength	D	If=20mA		570		nm
Reverse Current	Ir	Vr=5V			100	μ A
Viewing Angle	2 1/2	If=20mA		38		deg
Spectrum Line Halfwidth		If=20mA		30		nm

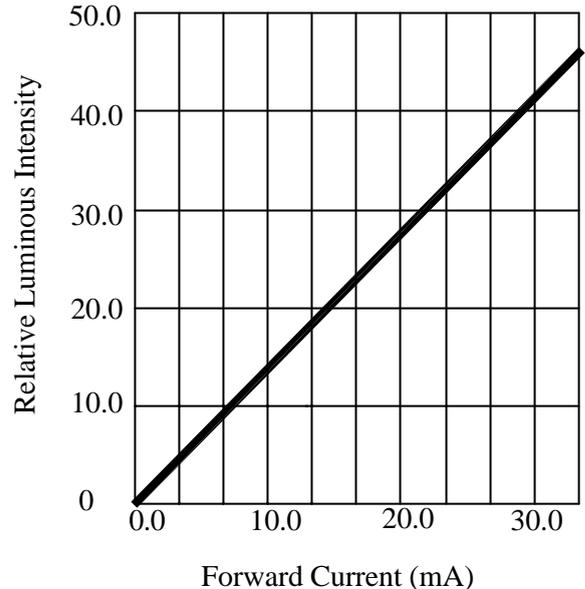


**4.8MM ROUND LAMP WITH HOLDER  
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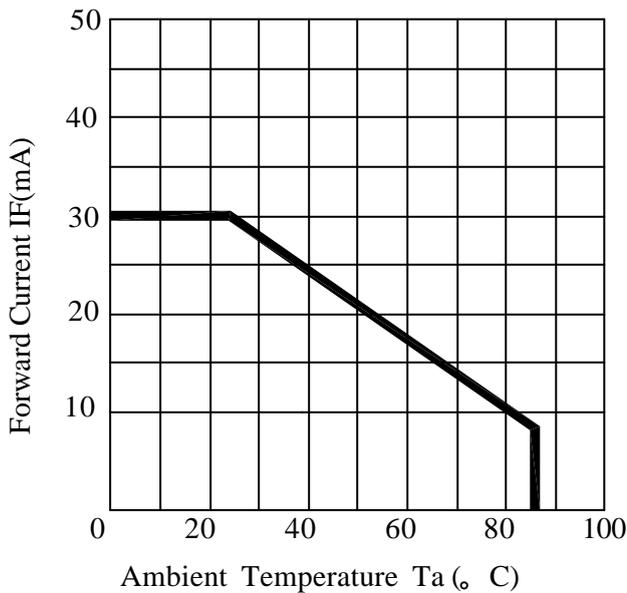
**Typical Electrical / Optical Characteristics Curves :**



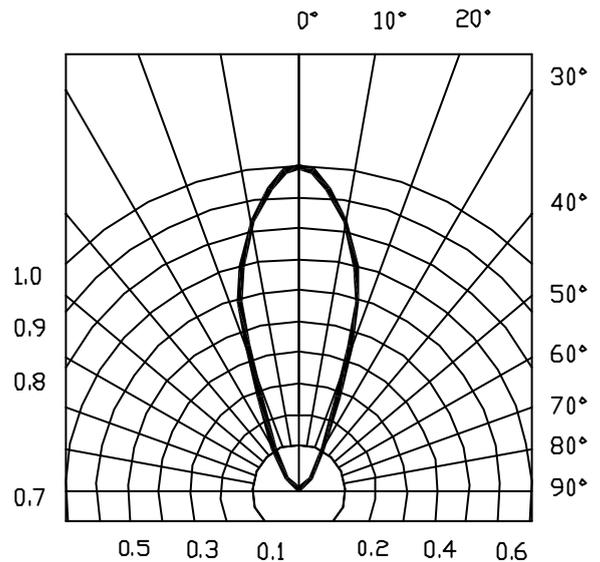
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**AMBIENT TEMPERATURE VS. FORWARD CURRENT**



**RADIATION DIAGRAM**



**4.8MM ROUND LAMP WITH HOLDER  
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**Reliability Test Method :**

Test Item	Test Condition	Duration Time
Operation Life	If=20mA / Ta=25	168hrs
Storage at High Temperature	Ta=100	168hrs
Storage at Low Temperature	Ta=-40	168hrs
Storage at High Temperature/High Humidity	Ta=85 /RH=85%	168hrs
Operating at High Temperature	Ta=85 / If=20mA	168hrs
Operating at Low Temperature	Ta=25 / If=20mA	168hrs
Thermal Shock	Ta/T=100 /30min~ -40 /30min	10 cycles
Solderability	Tsol=230	5 sec

**Criteria for Judging The Damage:**

Item	Symbol	Test Condition	Criteria for Judgment	
			Min.	Max.
Forward Voltage	Vf	If=20mA	-----	Initial Data x1.1
Reverse Current	Ir	Vr=5V	-----	100 $\mu$ A
Luminous Intensity	Iv	If=20mA	Initial Data x0.8	-----

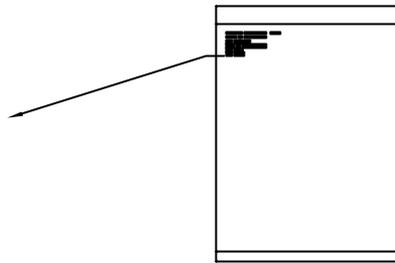


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**PART NO. : LT641G-H104-C17**

ENCASED TYPE

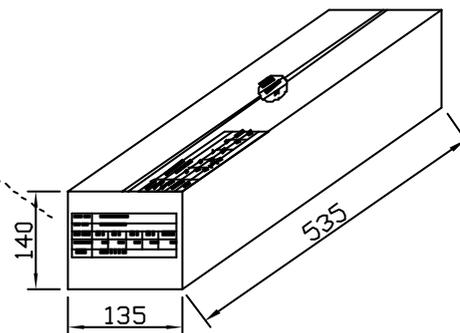
PLASTIC PACKAGE  
 QUANTITY: 500 PCS

LEDTECH ELECTRONICS CORP.					
PART NO :LTXXXX-XX					
QTY	:	PCS			
LOT NO	:	XXXXXXXXXX			
DATE	:				
BIN CODE:					



INNER BOX  
 QUANTITY: 8 PACKETS  
 TOTAL: 4,000 PCS

PART NO.	LXXXXX-XX-XX				
LOT NO.	XXXXXXXXXX				
BIN CODE	Xx X	Xx X	Xx X	Xx X	TOTAL
QUANTITY	PCS	PCS	PCS	PCS	PCS
DATE	XXXX, XX, XX				



OUTER CARTON  
 QUANTITY: 4 BOX  
 TOTAL: 16,000 PCS

C/T NO. 箱 號	XX
PART NO. 料 號	LXXXXX-XX-XX
QUANTITY 數 量	PCS
N.W. 淨 重	KGS
G.W. 毛 重	KGS
REMARK 備 註	

