Specification for Approval

Customer Name _____

Product ID _____

Product Model **IE-765WWC2-C**

Product Specifications **Flux LED with 5mm Lens-White**

Date _____

Customer acknowledges that					
Approved	Audit	Confirm	Business	Engineering	Make

Customer acknowledges that Qualified ☐ Failure ☐

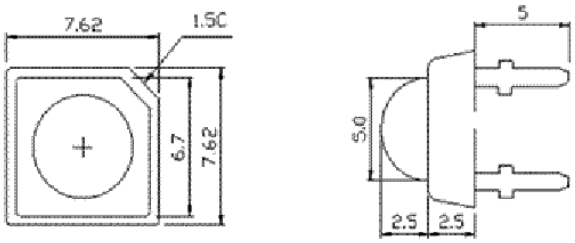
Customer feedback

Product Model **IE-765WWC2-C**

Features:

High intensity
Standard T-1 3/4 diameter package
General purpose leads
Reliable and rugged

Dimensions: Unit: mm [ ] [inch]



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is 0.25mm (.010”) unless otherwise noted.
3. Protruded resin under flange is 1.0mm(.04”) max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

LED Chip	LED	Flash Frequency	
Material	Emitting Color	(HKZ)	Lens Color
InGaN	**White**		**Water Clear**

Product Mode l **IE-765WWC2-C**

Absolute Maximum Ratings at Ta=25

Parameter	MAX	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse width	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50	0.4	mA /
Reverse Voltage	5	V
Operation Temperature Range	-40 to +80	
Storage Temperature Range	-40 to +80	
Lead Soldering Temperature [4mm (.157") From Body]	260 for 5 Seconds	

Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Luminous Intensity	I_v	3000	---	4500	mcd	**I_f=20mA**
Viewing Angle	$2\ _{1/2}$	---	90	120	Deg	**I_f=20mA**
Forward Voltage	V_f	3.0	---	3.4	V	**I_f=20mA**
Dominant Wavelength	WL	---	---	---	nm	If=20mA
Color Temperature	TC	6000	---	7000	K	If=20mA
Reverse Current	I_R	---	---	10	A	**V_R=7V**

Product Mode l **IE-765WWC2-C**

(Ta=25)

Typical Optical/Electrical Characteristics Curves (Ta=25 Unless Otherwise Noted)

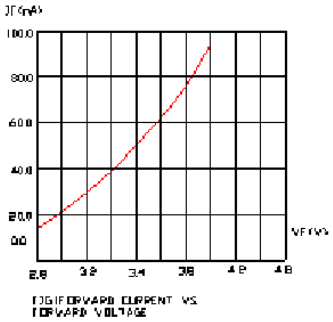


FIG1FORWARD CURRENT VS. FORWARD VOLTAGE

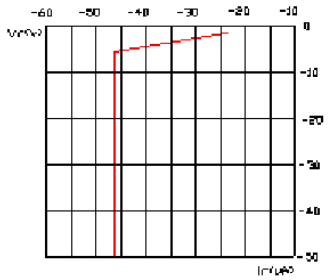


FIG2REVERSE CURRENT VS. REVERSE VOLTAGE.

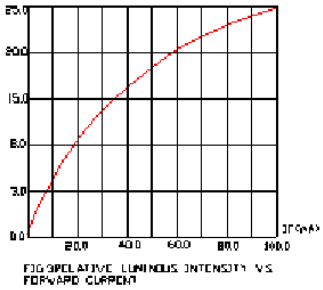


FIG3RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

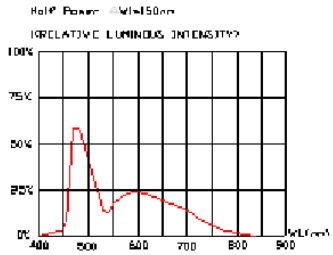


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH

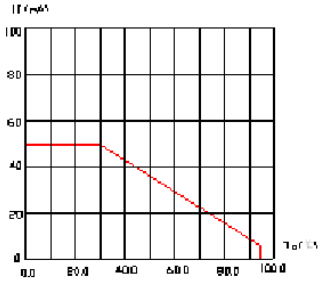


FIG.5MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE(T_{jmax} =105℃)

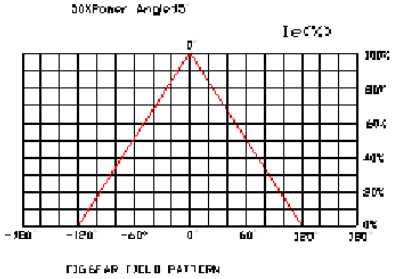


FIG.6FAR FIELD PATTERN

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.