

# I Series Module:IHX332B

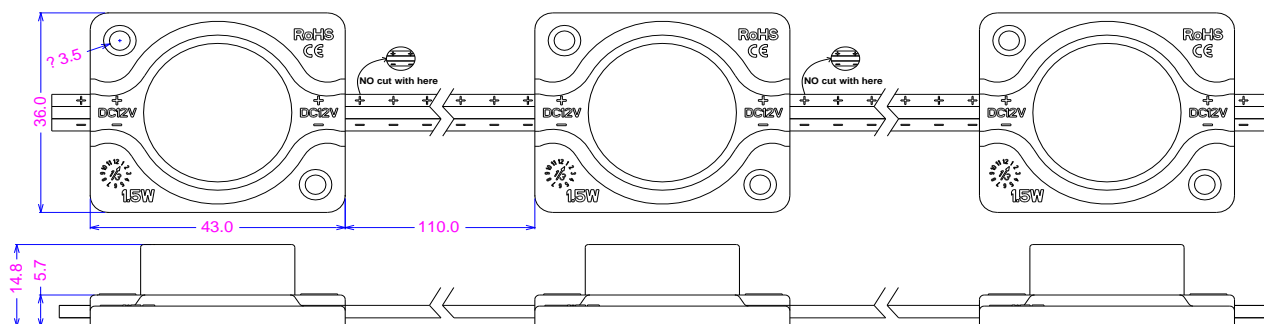
Make your ideal sign !

**Feature:** **Picture:**

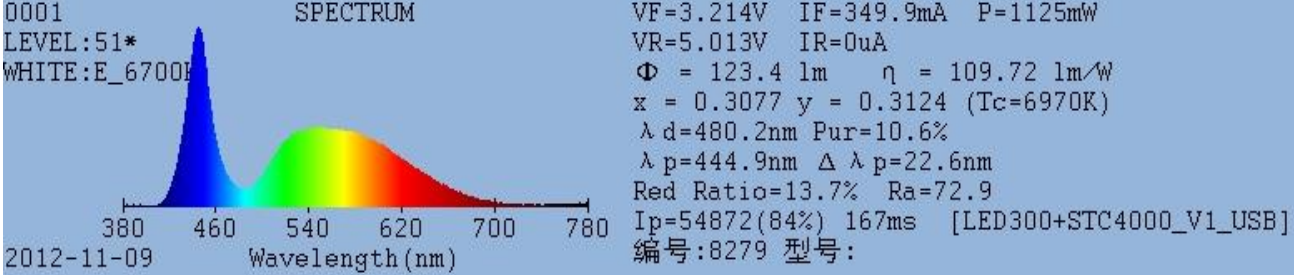
- ◆ 98% transmittance Special lens, Optimized for use in Double Sided Lightbox lighting
- ◆ Constant Current Technology (CCT), 30 pcs per series,Cut off 3 modules
- ◆ The exposed Aluminum plate for heat dissipation
- ◆ Injection molding process, Waterproof:IP 67
- ◆ Easy installation
- ◆ Energy saving, Environment friendly
- ◆ Long life span
- ◆ Suitable for 10-20cm height double light boxes backlighting



**Dimensions:**



**Typical optical characteristics curves**



**Rules of Naming Products:**

Code	Color	Voltage	Current	Power	Beam Angle	Luminous Flux	wave length	Working Temp.	IP Rank
IHW332B	Pure White	DC12V	375mA	4.5W/3pcs	56° *12°	120Lm	6000-7000K	-40℃-60℃	IP 67
IHM332B	Pure White	DC12V	375mA	4.5W/3pcs	56° *12°	100Lm	2700-3000K	-40℃-60℃	IP 67



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**Absolute maximum ratings**

Parameter	Symbol	Value	Unit
Forward current	If	700	mA
Reverse voltage	Vr	5	V
Operating temperature range	Top	-40 ~+100	℃
Storage temperature range	Tstg	-40~+100	℃

Pulse forward current	Ifp	1000	mA
Electrostatic discharge	ESD	6000 (HBM)	V
Thermal resistance	$\theta_{th}$	12	°C/W
Junction temperature	Tj	100	°C

### Reliability

	Test item	Ref. standard	Test condition	Note	Damaged
environment sequence	Resistance to soldering heat (Reflow Soldering)	JESD22-B106	Tsld=260°C, 10sec	2 times	0/22
	Temperature cycle	JESD22-A104	-40 30min ↑ ↓ 5min 100°C 30min	1000 cycle	0/100
	Thermal shock	JESD22-A106	-40 15min ↑ ↓ 100°C 15min	1000 cycle	0/100
	High temperature	JESD22-A103	Ta=100°C	1000 cycle	0/100
	Low temperature	JESD22-A119	Ta=40°C	1000 cycle	0/100
	Power temperature	JESD22-A105	On 5min -40 >15min ↑ ↓ <15min Off 5min 100 >15min	1000 cycle	0/100
	Life test	JESD22-A108	Ta=25°C If=120mA	1000 cycle	0/100
	High humidity heat life test	JESD22-A101	60°C RH=90% If=60mA	1000 cycle	0/100



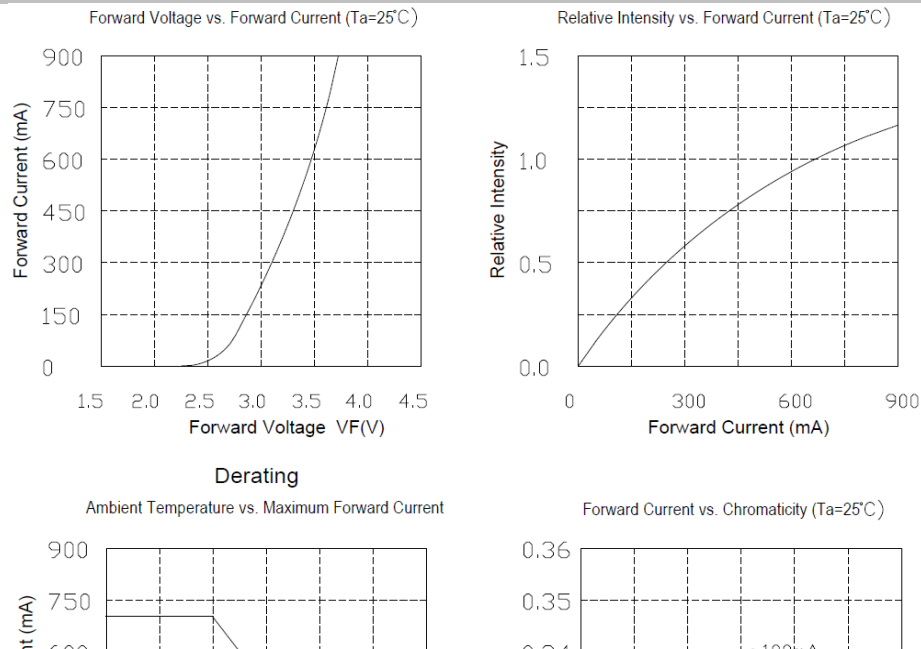
RoHS

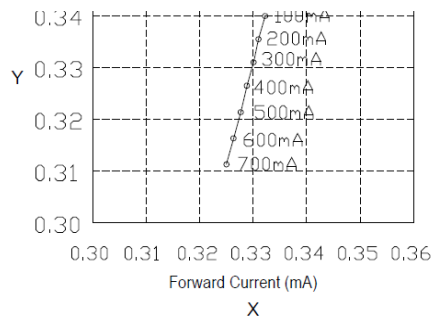
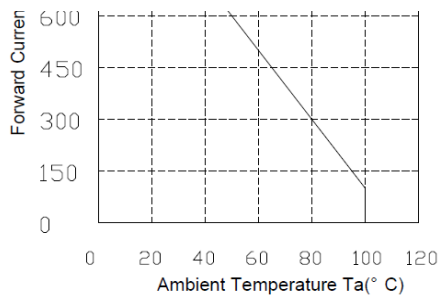


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### Typical optical characteristics curves

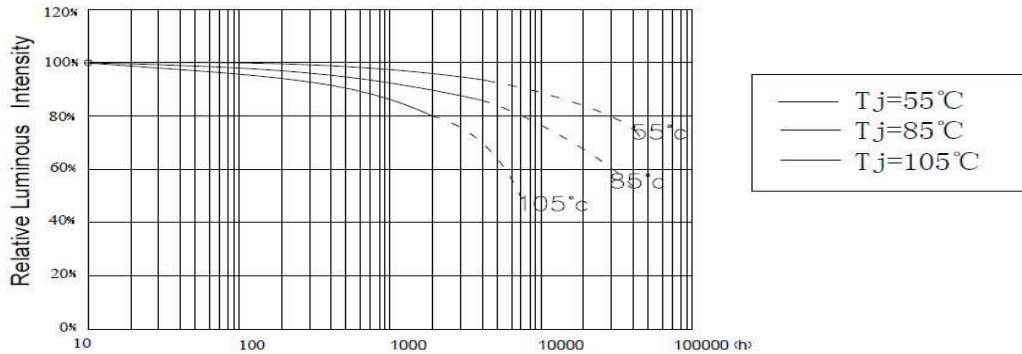




## Affect of $T_j$ on Luminous Maintenance

life test:

Affect of  $T_j$  on Luminous Maintenance  
( $I_f = 350$  mA)  
(Dot line: Expected Life)



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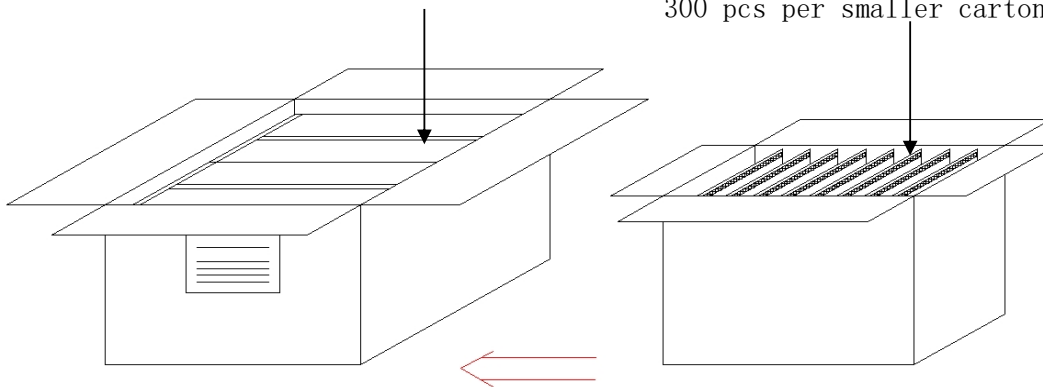
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## Packaging

600 pcs per bigger carton

60 pcs per anti-static bag


300 pcs per smaller carton



## Cautions:

1. Outal carton: 52x37x26cm ; Small carton: 35x25x23cm ; Anti-static bag: 305x280x0.12mm .
2. 30pcs per chain, 2pcs chain in one Anti-static bag . ( 60 pcs in one Anti-static bag)
3. 8 bags in one small carton . ( 300 pcs in one small carton)
4. One outal carton contains two small cartons . ( 600 pcs in one outal carton)



—  CONSTANT CURRENT  
DRIVING SYSTEM



RoHS

