



# HEAT SLUG

## Part No. ÖS30EB7C

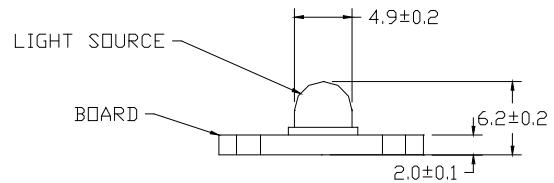
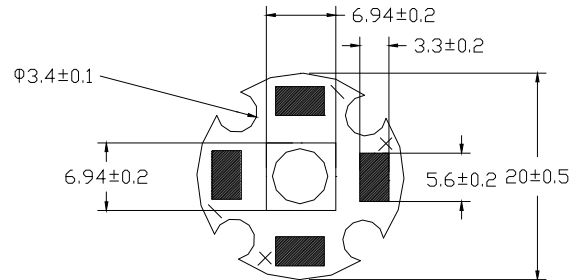


### Features

- Highest Flux Blue
- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection

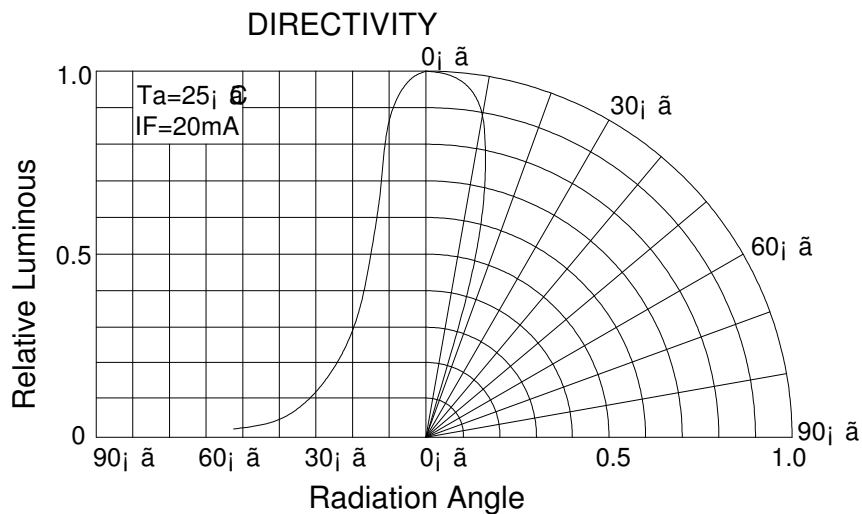
### Typical Applications

- Reading lights(car,bus,aircraft)
- Portable(flashlight,bicycle)
- Automotive Exterior(Stop-Tail-Turn, CHMSL,Mirror Side Repeat)
- Decorative



#### NOTE:

- All dimensions are millimetres.
- Tolerance is  $\pm 0.1$ mm unless otherwise noted





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### Absolute maximum ratings $T_a = 25$

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	$I_F$	----	----	350	mA
Peak Pulse Current	$I_{peak}$	Duty=0.1mS ~ 1kHz	----	500	mA
Power Dissipation	$P_d$	----	----	1.4	W
LED Junction Temperature	$T_j$	----		120	
Operating Temperature	$T_{opr}$	----	-25	+100	
Storage Temperature	$T_{str}$	----	-40	+120	
ESD Sensitivity	---	HBM	8000	---	V
Soldering Temperature	---	-----	260 for 5 Seconds max		

### Electrical and optical characteristics $T_a = 25$

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	$V_F$	$I_F = 350mA$	----	3.5	4.0	V
Luminous Flux	$\nu$	$I_F = 350mA$	5	8	10	lm
Viewing Angle	$2' 1/2$	$I_F = 350mA$	----	70	----	Deg.
Dominant Wavelength	$\lambda_d$	$I_F = 350mA$	465	----	470	nm

### Luminous Flux Bins $T_a = 25$

Unit:lm

Bin	B	C	D	E	F	G
Min	5	10	15	20	25	30
Max	10	15	20	25	30	40

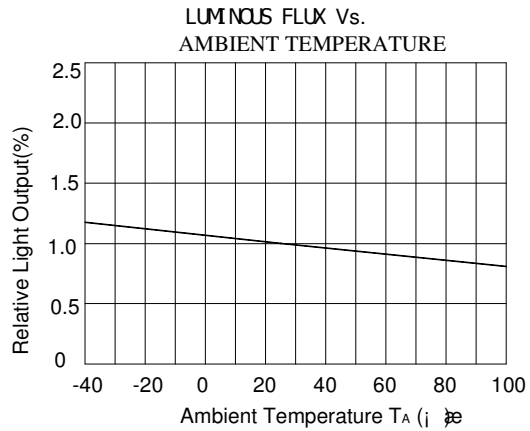
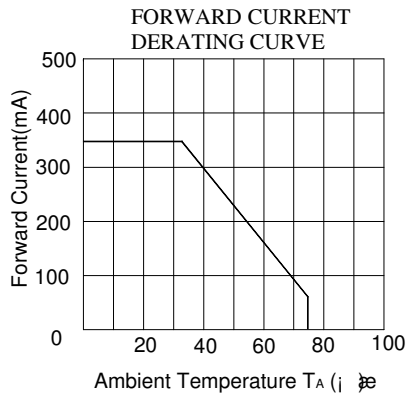
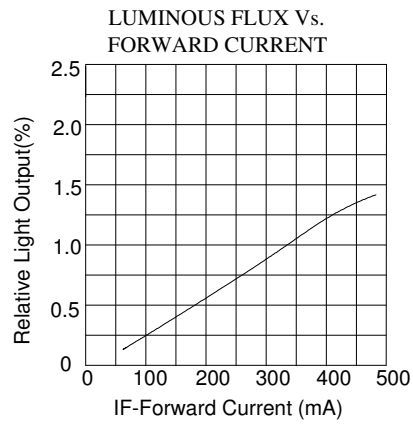
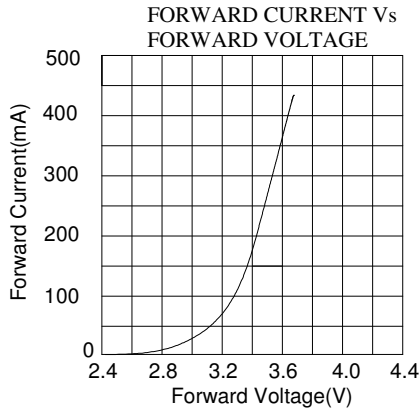
### Dominant Wavelength- $\lambda_d$ $T_a = 25$

Unit: nm

Bin	F	G	H	I	J	
Min	455	460	465	470	475	
Max	460	465	470	475	480	



**Typical electrical/optical characteristic curves Ö**



**465/20**

