

查询"OVFSAAC8"供应商

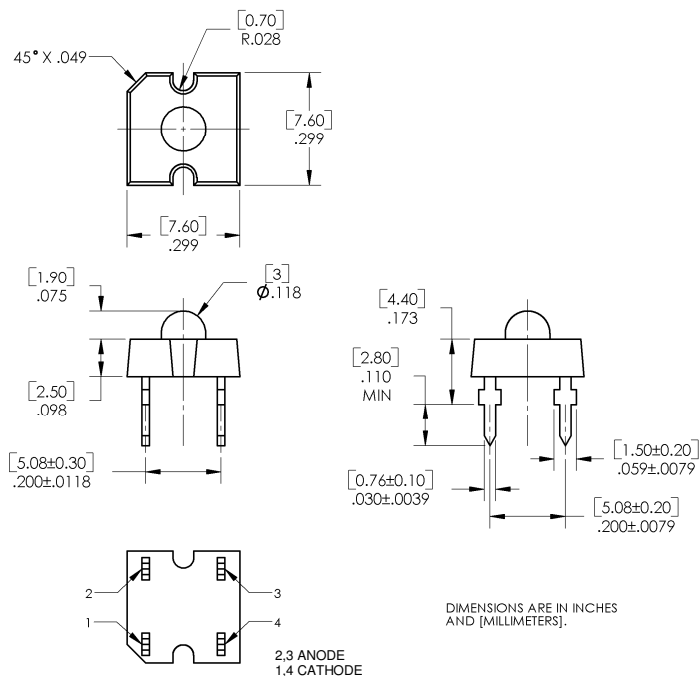
- Packaged in tubes
- Compatible with automatic placement equipment
- Compatible with infrared and vapor phase reflow solder process
- Mono-color type
- Pb-free



Applications

- Automotive: Rear Stop/Turn Signal Lamps/Truck Marker Lamps
- Mood-setting Decoration and Landscape Lighting
 - Special Decorative Interior/Exterior Lighting
 - Special Effects Stage Lighting
- Illumination for Signs and Channel Letters
- Traffic Signals, Pedestrian and Walkway Signs

Part Number	Material	Emitted Color	Flux Typ. mlm	Lens Color
OVFSAAC8	AlInGaP	Amber	5000	Water Clear



BoHS



ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

Data is subject to change without prior notice.

4-Pin Amber LED Lamp (7.6mm)

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Absolute Maximum Ratings

$T_A = 25^\circ\text{C}$ unless otherwise noted

Storage Temperature Range	-40 ~ +100°C
Operating Temperature Range	-40 ~ +100°C
Lead Soldering Temperature (3mm from the base of the epoxy bulb) ¹	260°C
Reverse Voltage	5 V
Continuous Forward Current ²	70 mA
Peak Forward Current (10% Duty Cycle, $PW \leq 100 \mu\text{sec}$)	200 mA
Power Dissipation	210 mW

Notes:

- Solder time less than 5 seconds at temperature extreme.
- Heat sink is adequate if the device is operated at ambient temperature higher than 25°C. For long term performance the drive currents between 10mA and 50mA are recommended. Please contact an Optek sales representative for more information on recommended drive conditions.

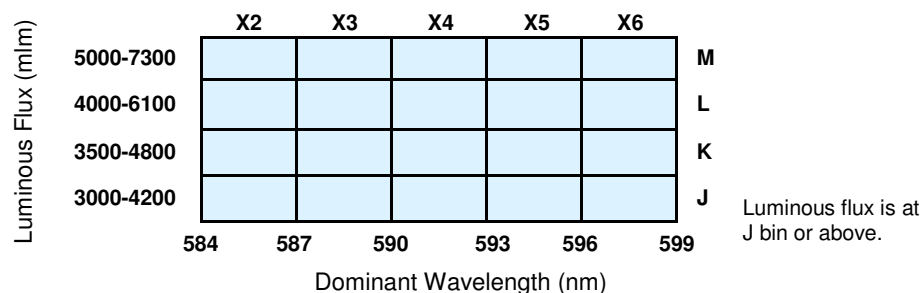
Electrical Characteristics

$T_A = 25^\circ\text{C}$ unless otherwise noted

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
lumen	Luminous Flux	3000	5000	----	mlm	$I_F = 70\text{mA}$
V_F	Forward Voltage	----	2.5	3.0	V	$I_F = 70\text{mA}$
I_R	Reverse Current	----	----	100	μA	$V_R = 5\text{V}$
λ_D	Dominant Wavelength	584	591	599	nm	$I_F = 70\text{mA}$
$2\Theta_{1/2}$	50% Power Angle	----	100	----	deg	$I_F = 70\text{mA}$

Standard Bins ($I_F = 70\text{mA}$)

Lamps are sorted to luminous flux (Φ_V), forward voltage (V_F), and dominant wavelength (λ_D) bins shown. Orders for OVFSAAC8 may be filled with any or all bins contained as below.



Forward Voltage (V_F)

Rank	V3	V4	V5	V6	V7
Voltage (V)	2.0–2.2	2.2–2.4	2.4–2.6	2.6–2.8	2.8–3.0

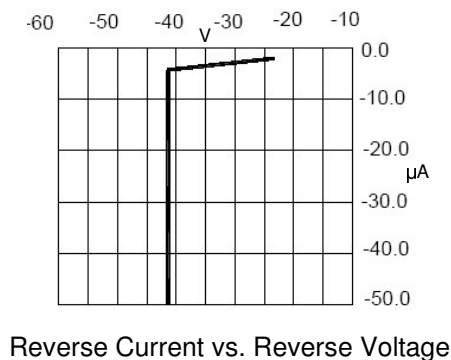
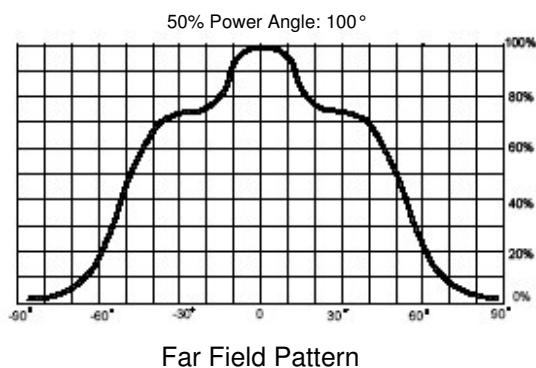
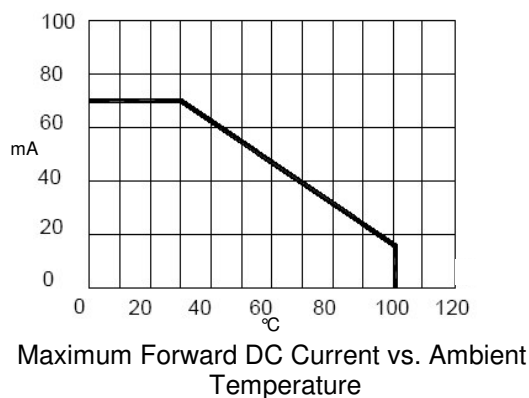
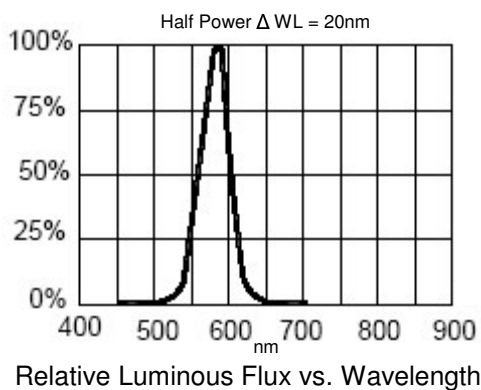
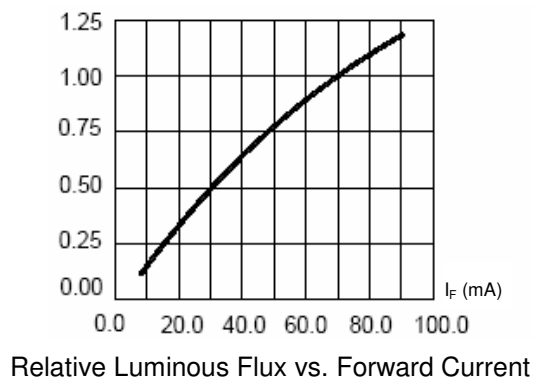
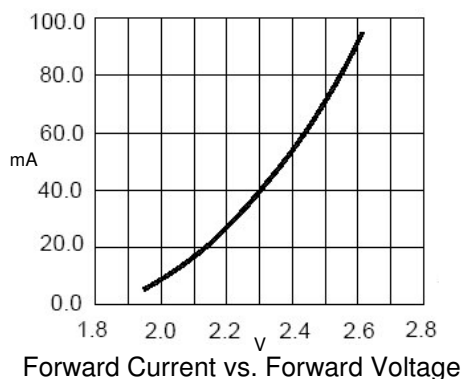
Important Notes:

- All ranks will be included per delivery, rank ratio will be based on the chip distribution.
- To designate luminous intensity ranks, please contact OPTEK.

4-Pin Amber LED Lamp (7.6mm)

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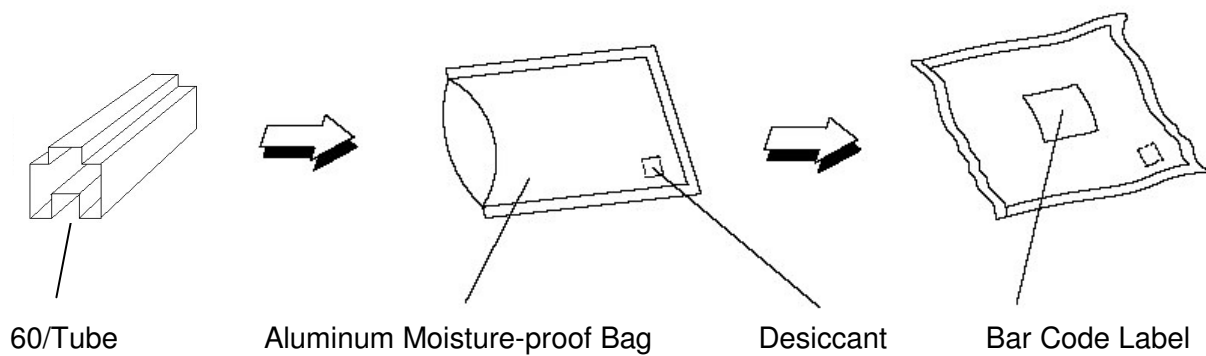
Typical Electro-Optical Characteristics Curves



4-Pin Amber LED Lamp (7.6mm)

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Moisture Resistant Packaging



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