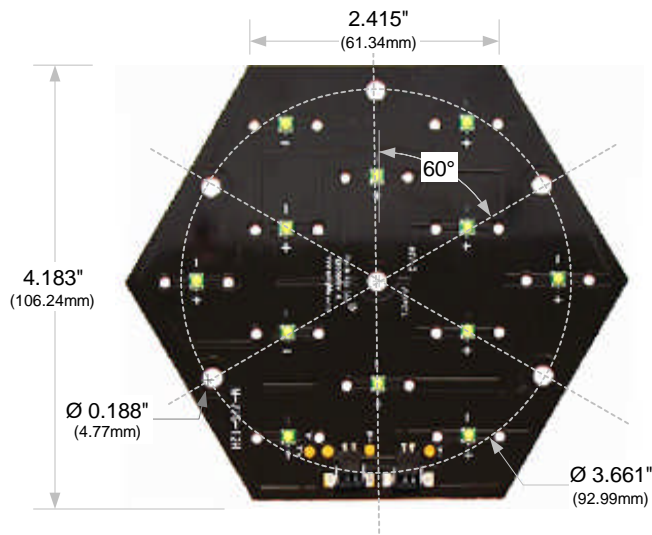


ALXPG12H Light Engine by NORTH STAR SSSL®



ALXPG12H AlphaLED Light Engine is capable of delivering over 3600 lumens. With on board connector, it can be easily integrated into fixtures and OEM applications. The ALXPG12H features a CREE® XP-G emitter with various optical choices. It's superior Copper Metal Core PCB is also optimized with extended thermal traces to obtain minimum thermal resistance. This allows excellent thermal management design to maximize LED performance.

ALXPG12H Specifications*

Light Source	12 CREE XP-G LEDs on Copper, 32mil Metal Core PCB			
Light Output (@ 65°C)	Cool White (5000 - 8300 Kelvin)	Natural White (3700 - 5000 Kelvin)	Warm White (2600 - 3700 Kelvin)	
	2736 Lumen @ 700mA	2544 Lumen at 700mA	2232 Lumen at 700mA	
	3600 Lumen @ 1A	3348 Lumen @ 1A	2928 Lumen at 1A	
Color Rendering Index	75	75	80	
Max. Drive Current	1500mA	1000mA	1000mA	
Forward Voltage	~39V Nominal	~38V Nominal	~38V Nominal	
Max. Power	58 Watt	39 Watt	39 Watt	
Thermal Resistance	>0.7C/W	>0.7C/W	>0.7C/W	
Optics: 21.6mm OD Pressure Sens. Adhesive	Narrow 11 Deg.	Medium 26 Deg.	Wide 46 Deg.	Elliptical
	OPG-N11	OPG-M26	OPG-W46	OPG-EL
Mounting	0.156" (3.96mm) ID, 3 Locations			
Connection	Wire harness with Tyco connector. Part#: H-XP-12 12" Long 26AWG, Red (+), Black (-)			
Environmental	Board Temperature Limits: -20°C to 70°C. Environment: Non-corrosive, Humidity: 0-95% non-condensing			

* Specifications are subject to change without notification. Please consult factory for the latest information about our products.