

NeoBulb Axis 42 W (White)



NeoBulb Axis 42 White is an advanced LED lighting system associating six ultra-high-power NeoPac Light Engines arranged in row. **NeoBulb Axis 42** offers ultra high brightness and is perfect for commercial and industrial indoor applications which could control environments. It is available in different colors such as red, green, blue, amber, white and warm white.

NeoBulb Axis Series as well as entire NeoBulb product lines are ingeniously engineered LED lighting devices that are designed based on the proprietary NeoPac Universal Platform (NUP). Empowered by this structural LED technological platform, all NeoBulb products can operate at ultra-high power with high luminous flux, low junction temperature (T_j) and have outstanding performance with long predictable reliable life.

■ **Features**

- Expandable by adding modules to form end to end mounting
- Plug-and-Play for easily installation
- NeoBulb System-In-Package LED light engines
- Ultra-High-Power LEDs within safety junction temperatures
- Excellent thermal management to ensure LEDs performance
- Effective heat dissipation by back-end natural convection
- Energy saving, more efficient than Incandescent and halogen lamps.
- Effective LED life over 40,000 hours
- Full range of colors – White
- International RoHS “green product” compliance
- 42 W available

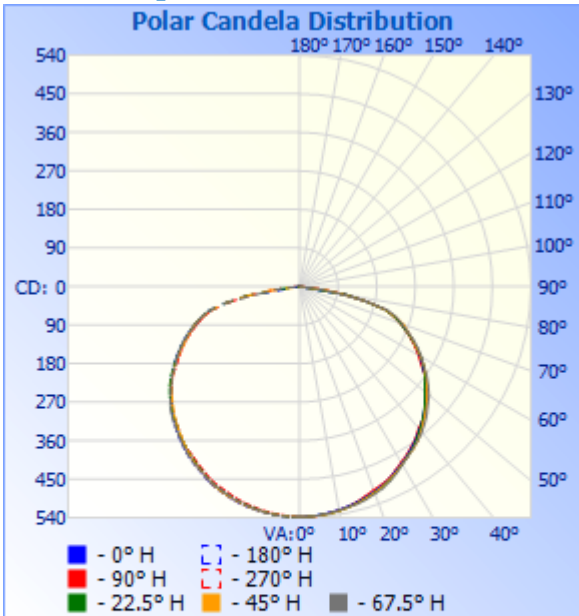
■ **Specifications**

Items	Characteristics
Voltage Range	AC 100~ 240 V, 50 ~ 60 Hz
Power Efficiency	85 %
Beam Angle	145°
Operating Temp.& Humidity	- 20 ~ 45°C & 10 ~ 60 % RH
Storage Temp.	-40°C ~ 80°C
Useful Life	> 40,000 Hrs
Case	SPCC (Al)

Items	Axis
LED-Power Consumption	42 W
System Power Consumption	49 W
LEDs Initial Luminous Flux	2520 lm
LEDs Maintained Luminous Flux	2325 lm
Lighting Fixture Luminous Flux	1860 lm
Max. Illuminance (E_{max}) (@3m)	>60 lux
Correlated Color Temperature(CCT)	5000~7000K
Color Rendering Index (CRI)	>75
Light Source(NeoPac® Emitter)	7 Watt
Junction Temperature (T_j)($T_a= 25^\circ\text{C}$)	65°C ± 1°C
Sys. Thermal Resistance (R_{ja})	0.95°C/W
Dimensions (LXWXH) (mm)	360 x155 x116
Net Weight (Approx.)	3.0kg

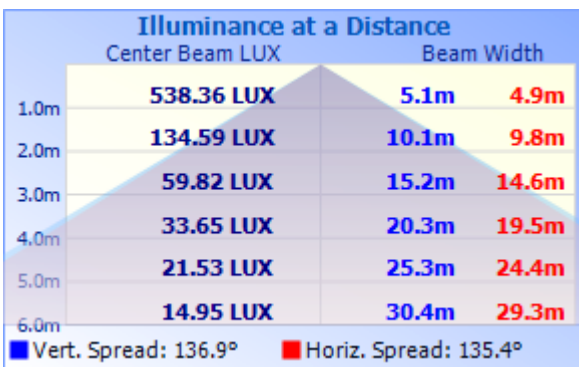
■ **Photometric Data**

I. **Beam pattern (145°)**

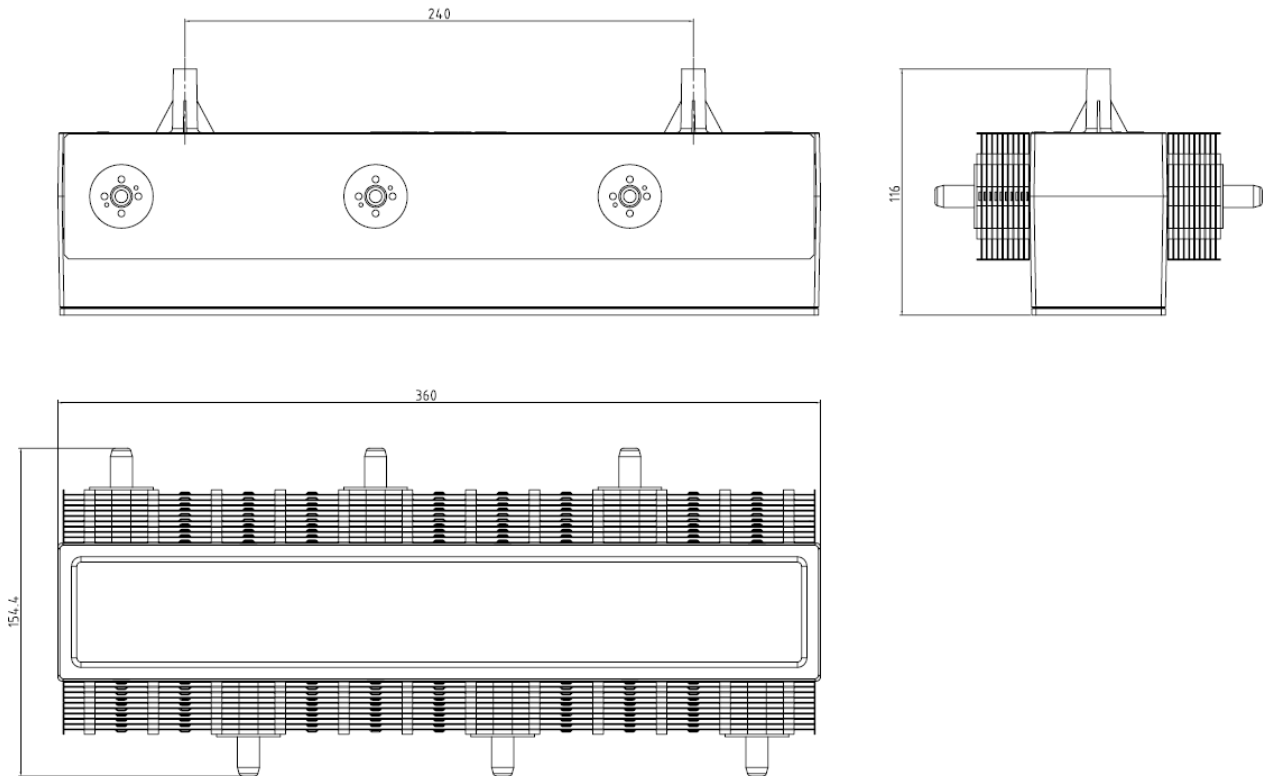


Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.5%	1,884.7	166	162.8
Beam (50%):	84.7%	1,605.1	135.4	136.9
Total:	100%	1,894.3		

■ **Illuminance Distribution Vs. Distance**



■ **Drawings :**



Remarks:

1. Deviation +/- 10% for all listed data
2. Saturation Time under Natural Convection: 40 min
3. Dimensional Units: mm