

# RedBird LED



## Cardinal™ High Bay - 202 Lumens/Watt\* HB-100W-50K-WB

**Best LEDs**  
**Best Driver**  
**Best Chassis**  
**Best Efficacy**



**10 Year Warranty**  
**Factory Direct Pricing**  
**>100,000 Hour Lifetime**  
**BAA and BABA Compliant**  
**0-10 Volt Dimming, DIM to Zero**  
**Massive Aluminum Extrusions**  
**120-277 Vac, Driver Efficiency > 94%**

*\* 202 lm/W @72% output -14,033 Lm; 194 lm/W @ 100% Output -18,771 Lm*

**More Light Delivered**  
**Less Money Spent**  
**Built Like a Tank**  
**Runs Like a Ferrari**

**Silicone Plugs Seal Strips From  
Dust, Bugs and Moisture**

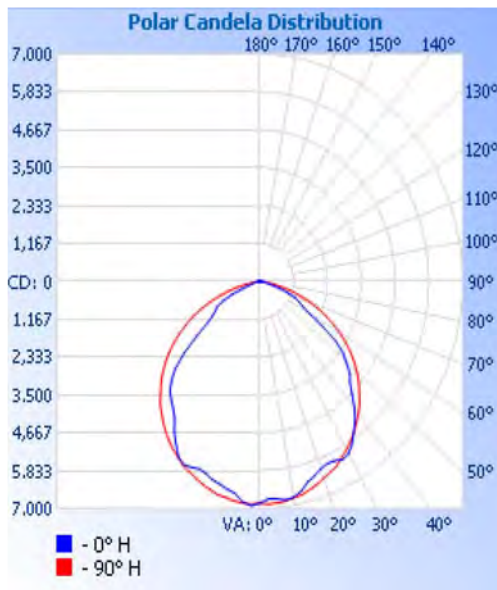


**DLC PREMIUM**

Check DLC Website for Product Listings

Info@redbirdled.com, 770-310-8888

# LM-79 and ISTMT Test Results



Photometric Results	HB-100W-5K-WB	
	Integrating Sphere	
Total Luminous Flux (Lumens)	18,771	
Luminous Efficacy (Lumens/Watt)	193.64	
Correlated Color Temperature (CCT K)	5022	
Color Rendering Index (CRI-Ra)	83.4	
R9 Value	17.7	
Total Radiant Flux (Watts)	53.7	
Chromaticity (Chroma x / Chroma y)	0.3388	0.3456
Chromaticity (Chroma u / Chroma v)	0.2095	0.3205
Chromaticity (Chroma u' / Chroma v')	0.2095	0.4808
Duv Value	-0.00044	

Electrical Results	HB-100W-5K-WB	
	Integrating Sphere (230V)	
Input Power (Watts)	96.94	
Input Voltage (Volts AC)	230.07	
Input Current (Amps)	0.42	
Power Factor	0.958	
A-THD% (Current %)	8.24	
Input Frequency (Hz)	60.00	

Additional Parameters	HB-100W-5K-WB	
	Integrating Sphere	Goniophotometer
Stabilization Time (Light and Power)	35 Minutes	31 minutes
Test Geometry Configuration	4π	Type C
Spectroradiometer	Labsphere CDS1100	Gigahertz Optik P9801
Ambient Temperature	24.8 °C	24.4 deg °C
In-Situ Temp Test (LED TMP / Driver TMP)	LED TMP 54.7 °C	DRIVER TMP 52.5 °C