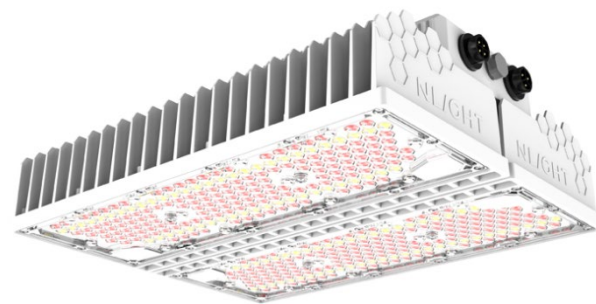


NLIGHT

RV800D-4C



MECHANICAL SPECIFICATIONS

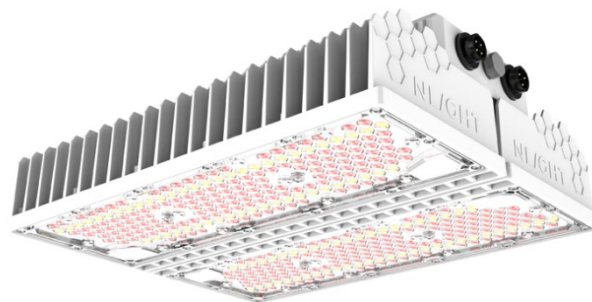
Light Fixture Dimensions	343.6L x 350W x 103H (mm)
Weight	6.8 (KGS)
Housing Material	Die-cast Aluminium
IP Rating	IP66
PSU Dimensions	315.6L x 139.4W x 54H (mm)
Weight	3.49 (KGS)
Operation Temperature	-20°C to 45°C
Storage Temperature	-20°C to 60°C

ELECTRICAL SPECIFICATIONS

AC Voltage	347 - 400V	50/60Hz
Rating Power	800W	
PF	0.97	
Inrush Current	Max. 20A	At 400V ac input, 25°C cold start
Surge Protection	EN 61000-4-5	Line to line 4 kV, line to earth 6 kV
Leakage Current	0.75 mA	400Vac / 50Hz input, grounding effectively
Isolation Class	Class I	
Dimming	Down to 10%	RS485

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NLIGHT RV800D-4C



OPTICIAL SPECIFICATIONS

Spectrum	88R 6G 6B + 10FR	
PPF (400-700nm)	3040 μ mol/s	+/- 5%
Efficacy up to	4.0 μ mol/J	+/- 5%
Beam Angle (50% peak intensity)	C0/180 149°, C90/270 162°	+/- 6°
Field Angle (10% peak intensity)	C0/180 172°, C90/270 172°	+/- 6°

OTHER SPECIFICATIONS

Risk Group accr. to IEC 62471:2006	Risk Group 0 (RG0)	This product has been classified as posing no photobiological hazard.
Expected Lifespan	50,000 hours	L90B10 at 36000 hours
Wireless control	Bluetooth Mesh Network	Each lighting fixture is equipped with a Bluetooth Dongle, enabling it to connect via Bluetooth to a BRIDGE. The BRIDGE is connected to the TCP/IP network via a CAT6 cable, allowing seamless integration with multiple BRIDGES. A Master Gateway can be connected within the same network to manage and control hundreds of BRIDGES, providing stable and efficient centralised control.
Individual Channel Control	3 Channels control with Power Shelf Function	Multi-channel PSU design with Channel 1 as the primary output; power from auxiliary channels can be reassigned to Channel 1 via control system.
Connection	Wieland RST20i3 Series	

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