



R-Series

The R-series form factor resembles traditional HID lighting and offers an easy to install option for one-to-one replacement of HID lights. R-series lights are thus ideal for a step by step investment in LEDs by replacing part of HID lights with more energy efficient Valoya wide spectrum LED lights. A highly durable fixture due to all aluminium build, high IP and passive cooling.

- **Typical applications**

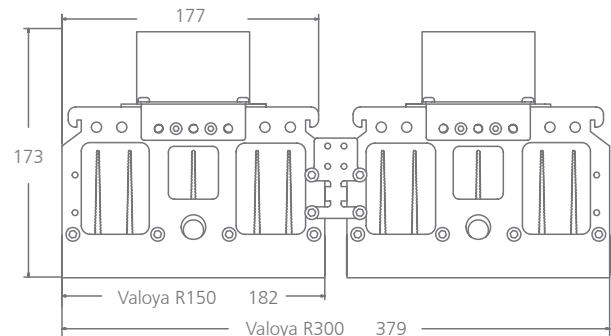
High intensity lighting, HID replacement

- **Light intensity in typical applications**

100 ~ 1000 $\mu\text{mol}/\text{m}^2/\text{s}$

- **Available spectra**

AP67, AP673L, G2, NS1, Architectural



- **Accessories**

Quick and easy installation hooks. Both for R150 and R300. Available from order.

	R150	R300
Power consumption (incl. PSU)	138 W	276 W
Power input	•	•
220-240 VAC	•	•
90-305 VAC	•	•
100-250 VAC	•	•
Weight including power unit	7,1 kg (15.6 lb)	14,5 kg (32 lb)
Dimensions, mm (L x W x H)	340 x 180 x 167	340 x 400 x 167
Dimensions, inches (L x W x H)	13.4" x 7.1" x 6.6"	13.4" x 15.5" x 6.6"
Cables	3 m (118.11") between PSU and luminaire	
Certifications	CE, cETLus	
Spectrum	AP67, AP673L, NS1, G2, Architectural	
Spectrum type	Wide band. US patent no: 8549787, 8850743, SG patent no: 178825 and international counterparts. Worldwide patent pending.	
Dimming	Optionally available for R150	
Distance from the plants (rec.)	0,5 - 4,0 m	
Light intensity decay	Max 10% at 35 000 h. Typical usage 50 000 h.	
Light efficacy, (380 nm ~ 820 nm)	Up to 1,6 $\mu\text{mol}/\text{W}$ (spectrum dependent)	
Ambient operating temperature	0 - 30 °C (32 - 86 °F)	
Ingress protection rating IP55, ROHS compliance, 3 years limited warranty		