LUMEN KING LED
GROW LIGHT 400 W

LUMEN-KING ®

TECHNICAL SPECIFICATIONS

Light Source	LED
Spectrum	Full Spectrum
PPF	1080 μmol/s
Input Power	400W
Efficacy	2.7 μmol/J
Input Voltage	220-240V
Mounting Height	≥ 6 Above Canopy
Thermal Management	Passive
Dimming	PWM/Manual dimming
Beam Angle	120°
Power Factor	>90 %
Certifications	CE/UKCA/ROHS
Diodes Brand	Optimum
Drivers Brand	Optimum 400W Integrated Driver
Waterproof Rating	IP44
Operation Temperature	-25-40°C
Operation Humidity	10%-95% RH
Storage Temperature	-20° - 80°C
Storage Humidity	10%-95% RH
Warranty Period	2 years

SPECTRUM

Measurements of Normalized Photosynthetic Photon Flux

FULL SPECTRUM FOR SEEDLING, VEGETATIVE, BLOOMING
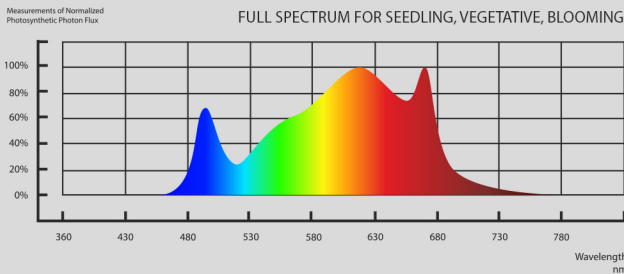
ITEMS INCLUDED IN THE BOX

6 x Lumen King 400W 2.7 Full Spectrum LED Light Bars

2 x 1/8" Lumen King Rope Ratchets
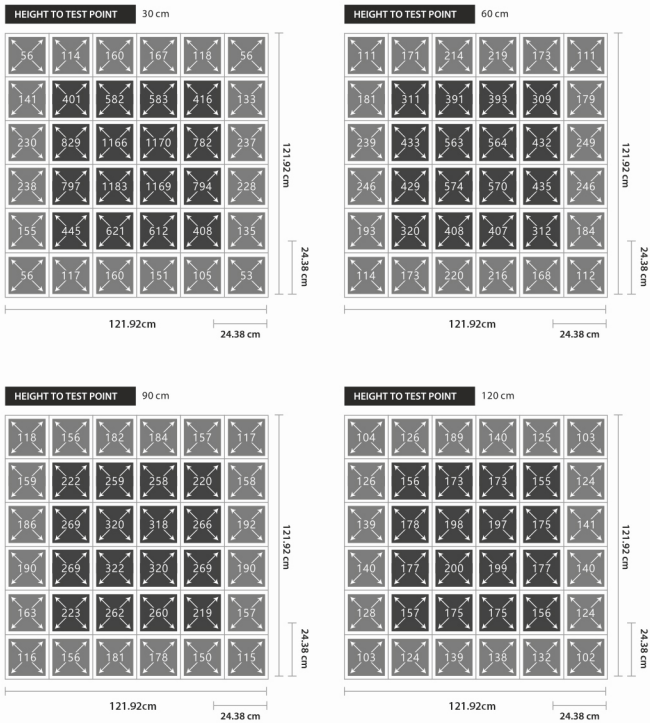
1 x RJ Input Network Cable

1x EU Power Cord

DIMENSIONS

Part	LENGTH	WIDTH	HEIGHT	WEIGHT
LUMEN KING LIGHT FIXTURE	750mm	750mm	54mm	5.8kg
LUMEN KING PACKAGE SIZE	800mm	100mm	400mm	7.5kg

PRODUCT DIMENSIONS

PPFD TESTING REPORT

HEIGHT TO TEST POINT 30 cm

56	114	160	167	118	56
141	401	582	583	416	133
230	829	1166	1170	782	237
238	797	1183	1169	794	228
155	445	621	612	408	135
56	117	160	151	105	53

121.92cm · 24.38 cm · 121.92 cm · 24.38 cm

HEIGHT TO TEST POINT 60 cm

111	171	214	219	173	111
181	311	391	393	309	179
239	433	563	564	432	249
246	429	574	570	435	246
193	320	408	407	312	184
114	173	220	216	168	112

121.92cm · 24.38 cm · 121.92 cm · 24.38 cm

HEIGHT TO TEST POINT 90 cm

116	156	182	184	157	117
159	222	259	258	220	158
186	269	320	318	266	192
190	269	322	320	269	190
163	223	262	260	219	157
116	156	181	150	115	

121.92cm · 24.38 cm · 121.92 cm · 24.38 cm

HEIGHT TO TEST POINT 120 cm

104	126	189	140	125	103
126	156	173	173	155	124
139	178	198	197	175	141
140	177	200	199	177	140
128	157	175	175	156	124
103	124	139	132	102	

121.92cm · 24.38 cm · 121.92 cm · 24.38 cm

INFORMATION

PPF calculations compiled using our in-house integrating sphere measurements and typical spectroradiometric data for each LED fixture performance.

Wattages are typical expected values. Allow a range of 10% on flux and power consumption.

CE UK CA RoHS

Contact Lumen-King
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www.lumen-king.com/led-grow-lights