

AEQUATOR LED 300 W



Total AC power	320 W (with Meanwell HLG -320H -24: $U_{AC} = 230\text{ V}$, $I_{AC} = 0.73\text{ A}$)
LED DC power	300 W, 24 V, 11.07 A
Case material	aluminum
Glass plate	security glass; UV translucent
Measurements	380*545*120 mm / 15*11*4.7 inch (L*W*H), 9 kg
Connectors	Techno TH385 Series (on lamp side: THF.385.A2A 2pole)
Guarantee	1 year bring -in manufacturers' guarantee for the lamp

LED configuration	(LED wavelength in this table is peak wavelength!)
16 x UV 410nm	Edison Federal, 120°
16 x deepblue 455nm	Osram OSLON SSL, 150°
32 x red 632nm	Osram OSLON SSL, 150°
96 x deep -red 660nm	Osram OSLON SSL, 150°
constant current driver	high-efficient constant current sources based on the famous "ZXLD1360" chip by "Diodes Inc." which is capable of PWM dimming (Every AequatorLED lamp is already equipped with a connector to use our future products: control circuits for dimming every color independent and also set the light frequency in Hz.)

Operating temperature	(measurements at 22°C ambient temperature)
@ LED chip	max. 50 °C
@ glass plate	28 °C
@ air outlet	24 °C
heat sink	custom-made aluminum heat sink
fans	2x2 ebm-papst 8414 NGML (connected in parallel), noise: each 19 dB(A)

AC/DC power supply: Meanwell HLG	-320H -24 (data-sheet on www.meanwell.com)
	90-305VAC, 24V DC, max. 13.34A, max. 320W
Certification	IP66 + compliance to worldwide safety regulations for lighting
Efficiency	up to 95%
Security features	short circuit, over current, over voltage, over temperature protection
Cooling	passive cooled by free air ventilation – no noise!
Cable	modified cable to suit AequatorLED "Techno TH385 Series" connector (H05RN wire specification)
Measurements	252*90*43.8 mm / 9.9*3.5*1.7 inch (L*W*H), 1.88 kg
Guarantee	1 year bring -in manufacturers' guarantee