



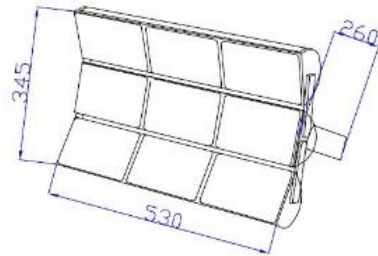
FA3345-R3W270

300W LED billboard lighting specification



General Characteristic

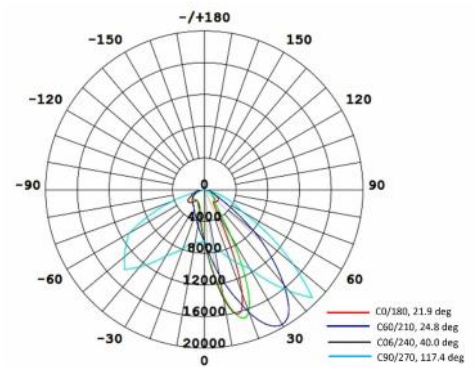
Description of luminaire	A highly efficient modular luminaire designed for billboard, tunnel, wall-wash and floodlighting applications. It is available in single lens, twin lens, and spreading lens, thus suitable for various lighting tasks,
Body structure	The structural framework is designed for mounting of multiple row of LED module assemble. They casting angle could be regulated according to various task lighting needs.
Finishing	Coated with high grade plastic paint
Rated life span	≥40000 hours (accumulative)
Ingress protection	IP65
Certification	CE, FCC, RoHS, ASS



Overall size (mm)

Light Characteristic

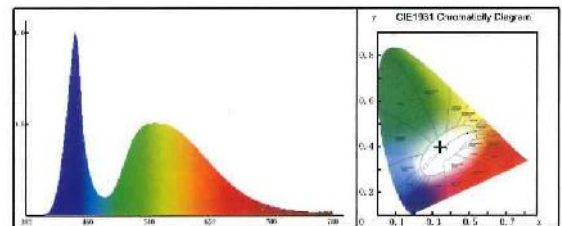
Light source	CREE XPG high power LED
LED module	SMD integrated to modular housing
Color rendering index	Ra ≥75
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Peak lighting intensity	20000 cd
Luminous flux	22950 lumen
Luminous efficacy	≥85 lumen per watt
Beam angle	120° (standard); asymmetrical (billboard)
RF interference	Free
Net weight	7.7kg
Operation temperature	-40° ~+60°C



Electrical Characteristic (electronic gear)

AC input voltage range	90~305VAC, 47~63Hz
Rated power	270W
System power	300W
Power factor	PF ≥0.9
Current regulation	±3%
Protection type	OCP, OVP, OTP, SCP
Output current	0.25~1.2A
Typical efficiency	90%
Working temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 85°C
Ingress protection	IP65 compliant
Safety standard	UL8750
EMI	EN55015 Class B
Harmonic current	2, Class C

Chromatic & Photometric Parameters



Chroma Parameters
 Chro. Coor.: $x = 0.3162$ $y = 0.3326$ $u = 0.1989$ $v = 0.3138$ $duv = 0.0033$
 CCT : Tc = 6300K Dominant Wave.: 492.3nm Purity : 5.8%
 R ratio : R = 12.2 Peak Wavelength : 442.6nm Half Width : 22.7nm

Rendering Index Ra = 76.6
 R1 = 68 R2 = 71 R3 = 74 R4 = 71 R5 = 70
 R6 = 64 R7 = 79 R8 = 61 R9 = -29 R10 = 32
 R11 = 69 R12 = 41 R13 = 67 R14 = 85 R15 = 0

Photo Parameters
 Flux: 23893.30lm Effi.: 85.2lm/W RadiantPower: 65730.0mW

Color Temperature Images

