

G400C LED highbay light

The high intensity LED luminaire is designed for replacement of traditional HID lamp in highbay lighting applications. It provides various models which are compatible to HID lamp ranging from 70W to 1000W in terms of luminous efficiency.

G400B is commonly adopted by the industrial sector for production plant, logistic and warehousing lighting applications. The payback period is tremendously faster than that of the traditional highbay attributed by its long



General Characteristic

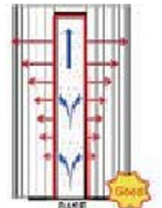
Construction	The luminaire is composed by six components integrated as a unit comprises of coolant radiated aluminium heatsink, LED module, secondary optic lens, corn reflector, power supply and safety hook.
Secondary lens	Glass convex optical lens
Ingress protection	IP65 compliant
Rated life span	50000 accumulated hours
Industrial standard	EUT complied with EN55015; EN51547; EN61000; IEC 62384 and LM-80
Certification	CE, RoHS, SAA, TUV-GS

Light Characteristic

Light source	CREE XT-E high power LED
Color rendering index	CRI ≥80 Ra
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Beam angle	120 degrees (Ø500mm cone) 90 degrees (Ø420mm cone)
Luminous efficiency	≥114 lumen per watt (rated)
Color rendering index	Ra ≥80
P-N junction temperature	Control not exceeding 80°C
Uniformity (uO)	>0.4
RF interference	Free
Visual performance	Non-glaring

Electrical Characteristic

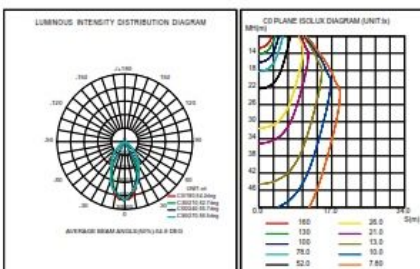
Power supply	MEANWELL HLG series
Input power	85~265VAC, 50/60Hz
Power factor	≥0.95
Power efficiency	≥85%
Operation temp	-40°C ~+60°C
Overload protection	95%~108% constant current limiting, auto-recovery
Over voltage protection	110%~140% rated output voltage
Operation humidity	95% Rh @-20°C to 50°C
Safety standards	UL60950-1, UL1012, TUV EN60950-1, EN61347-1-13 61347
EMC standards	EN55015, EN55022 class B, EN61000-3-2 class C, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN50204, EN61547



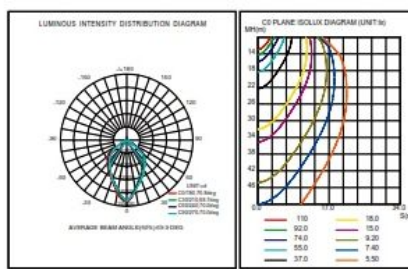
Coolant radiated aluminium heatsink

Product Brief Specification

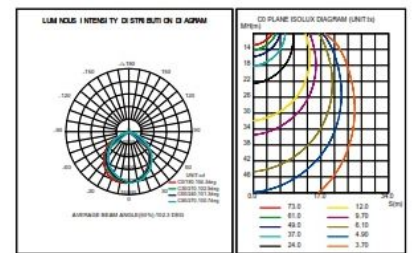
Model #	Power (W)		OA size (mm)			Weight
	Rated	Syste	45°	90°	120°	
G4535-022W080Kx	80.0	84.2	Ø310x370	Ø400x340	Ø400x320	4.6kg
G4595-030W100Kx	100.0	105.3	Ø310x400	Ø400x370	Ø400x350	5.6kg
G4735-044W120Kx	120.0	126.3	Ø310x430	Ø400x400	Ø400x380	7.2kg
G4350-044W150Kx	150.0	157.9	Ø310x475	Ø400x445	Ø400x420	7.2kg
G4380055-W200Kx	200.0	210.5	Ø415x550	Ø500x540	Ø500x520	8.6kg
G4470-077W300Kx	300.0	315.8	Ø420x430	Ø500x555	Ø500x535	11.5kg
G4470-060W400Kx	400.0	421.0	Ø420x726	Ø500x615	Ø500x595	15.0kg
G4470-080W500Kx	500.0	526.3	Ø420x825	Ø500x715	Ø500x695	18.4kg



Typical Spectral Distribution (Beam Angle 45 degree)



Typical Spectral Distribution (Beam Angle 90 degree)



Typical Spectral Distribution (Beam Angle 120 degree)