LED HID Corn lamp 105-155 W

The LED HID corn lamps come in adjustable powers and adjustable CCT to meet the demands of diverse bay lighting and street lighting applications from a single lamp. It provides general area lighting and improve the overall illumination quality and colour re-production. The slim, low profile design adds architectural appeal to all lighting application with crisp uniform light that offer high performance and maximizing energy savings. Equivalent to 150W – 400W metal halide lamps.

Benefits

- Instant start up.

- No Flickering, No Humming.

- No emission of IR and UV rays

- Long operating life of more than 50,000 hours for the LED ensures the system to be low on maintenance.

- Environment friendly, does not contain mercury (RoHS).

Features

- Adjustable light output power using a turning knob fixed on the lamp base. Power options of 105W, 125W and 155W.
- Adjustable colour temperature (CCT) using a sliding switch. CCT options of 3000K, 4000K and 5000K
- Unique fin type heat sink and active cooling system, uses an increased cooling surface area to reduce the operating temperature of LED and Driver.
- Built in surge protection >6KV.
- Flame retardant casing.
- UV stabilized diffusers.
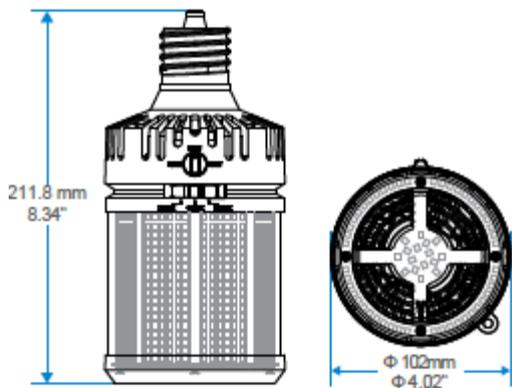- Suitable for totally enclosed fixtures.

Applications

Exterior lighting applications to replace the metal halide lamps in

- Wall pack, Acorn, Canopy lights, Garage lights
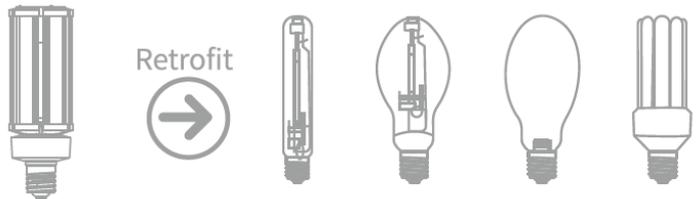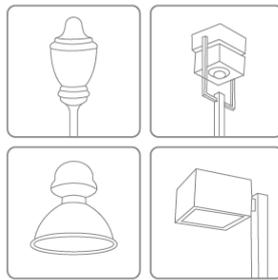- Shoe box lights, street lights, flood lights

Specifications

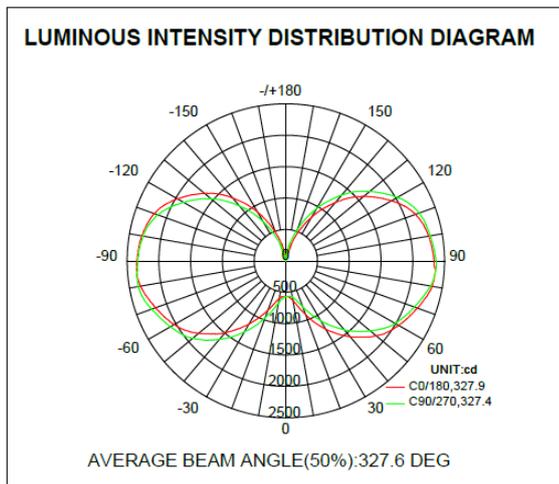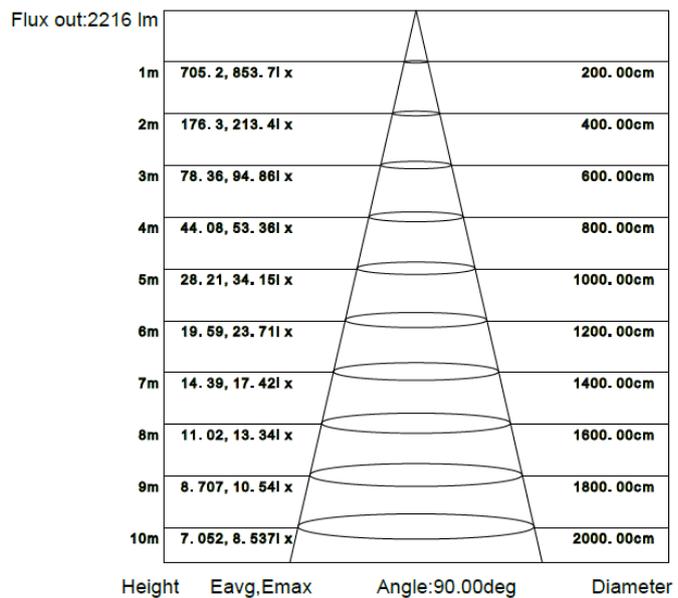|			
Model No.	S05325-155	Input Voltage	100-277 VAC
Type	Corn lamp (retrofit for MH/CMH)	Frequency	50-60Hz
Light Source	Lumileds 2835 SMD LED	Driver	Inbuilt
Power	105W / 125W / 155W (adjustable)	Base	E40
Power Factor	0.9	THD	<20%
Luminous flux (4000K)	105W = 17,200 LM 125W = 19,870 LM 155W = 23,620 LM	Beam Angle	360 Degree
Luminous efficacy	158 LM/W	Life	50,000 Hrs (LM80)
CCT	3000K / 4000K / 5000K (adjustable)	CRI	>80
SDCM	<6	Working Temperature	-30 to 45 Deg C
IP Rating	IP20	T Cas max (Tc)	60 Deg C
Material	Aluminium + PC diffuser	Dimming	No
Bulb finish	Clear	Dimension	L213.8mm X D102mm
Net weight	1.15 Kg	Warranty	5 years
Equivalent lamp power	105W-155W LED HID = 150W–400W MH	Certifications	CE, RoHS, LM79, UL

Dimensions

211.8 mm
8.34"

Φ 102mm
Φ 4.02"

Applications

Retrofit
→

Photometry

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180
-150   150
-120   120
-90   90

60
500
1000
1500
2000
2500

-60   60

-30   30
0

UNIT:cd
C0/180,327.9
C90/270,327.4

AVERAGE BEAM ANGLE(50%):327.6 DEG

Sample: 4000K / 155W

Lux diagram

Flux out:2216 lm

Height	Eavg,Emax		Diameter
1m	705. 2, 853. 7l x		200. 00cm
2m	176. 3, 213. 4l x		400. 00cm
3m	78. 36, 94. 86l x		600. 00cm
4m	44. 08, 53. 36l x		800. 00cm
5m	28. 21, 34. 15l x		1000. 00cm
6m	19. 59, 23. 71l x		1200. 00cm
7m	14. 39, 17. 42l x		1400. 00cm
8m	11. 02, 13. 34l x		1600. 00cm
9m	8. 707, 10. 54l x		1800. 00cm
10m	7. 052, 8. 537l x		2000. 00cm

Height   Eavg,Emax   Angle:90.00deg   Diameter

Product features and Images

125W
105W   155W
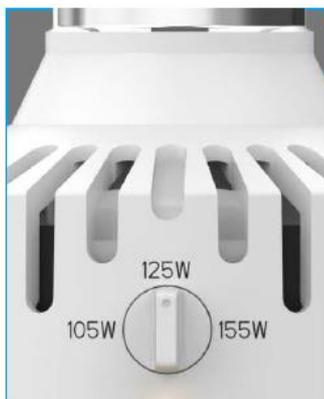
Power Selectable
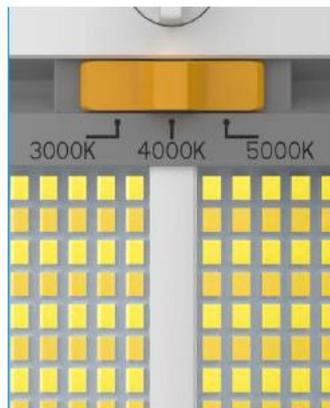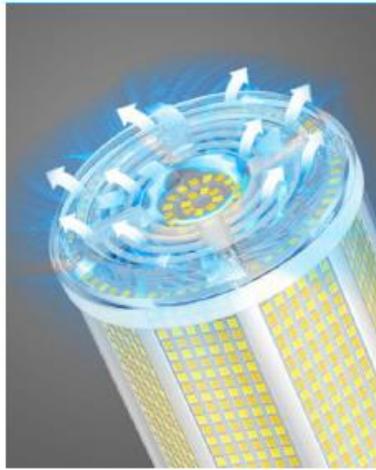
3000K   4000K   5000K

CCT Selectable: 3000K 4000K 5000K
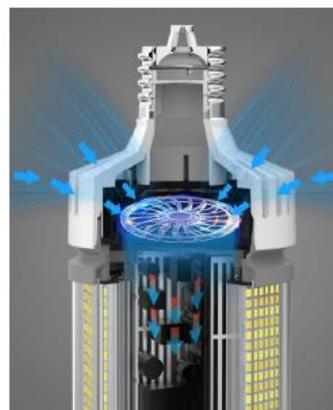
High efficiency fan for
quicker heat dissipation

Aluminum heat sink with high heat dissipation: The blade adopts a fluid corrugated design, which makes the heat dissipation performance better.

Hollow design achieves convection with the top and bottom air,enabling easy heat dissipation of the light source.

PC bottom transparent cover, 360° light , truly achieves no dead angle lighting.

Safety plate with hole design: a safety design to prevent falling and hitting people.