



LED Flat Head Corncob Bulb

HD 1.2 Series



HD 1.2 Series

Beyond LED Technology's HD 1.2 Series Flat Head Corncob high wattage LED retrofits are designed to reduce the power consumed, in fixtures traditionally used with metal halide or high-pressure sodium lamps, while still producing a high Lumen output. This 2019 version is has a noiseless fan, and it's the smallest, and shortest of its kind to fit such a wide range of fixtures. Suitable for use in enclosed fixtures, these high output LEDs are an excellent choice for post top lights, shoebox fixtures, and other HID fixtures. The rotatable base allows you to aim the light where you need it. With 180 degree beam angle it saves 20-30% energy compared to a 360 bulb.

- Up to 130 lumens per watt
- Built-in Noise less High quality fan for best heat dissipation
- 4KV built-in surge protector
- IP54 dust proof rating
- High-reliability internal driver
- Universal 100-277Vac
- Can safely be used in enclosed fixtures

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SKU #	Model #	Base	Watts	Lumens	CCT	Input Voltage	Certifications
110684	BLTCLH54WE3957KF	E39/E40	54W	6900Lm	5700K	100-277Vac 50/60Hz	UL & DLC
110668	BLTCLH75WE3957K	E39/E40	75W	8900Lm	5700K	100-277Vac 50/60Hz	UL & DLC
110692	BLTCLH95WE3957K	E39/E40	95W	11200Lm	5700K	100-277Vac 50/60Hz	UL & DLC
110700	BLTCLH115WE3957K	E39/E40	115W	13100Lm	5700K	100-277Vac 50/60Hz	UL & DLC

LED Retrofit Bulb



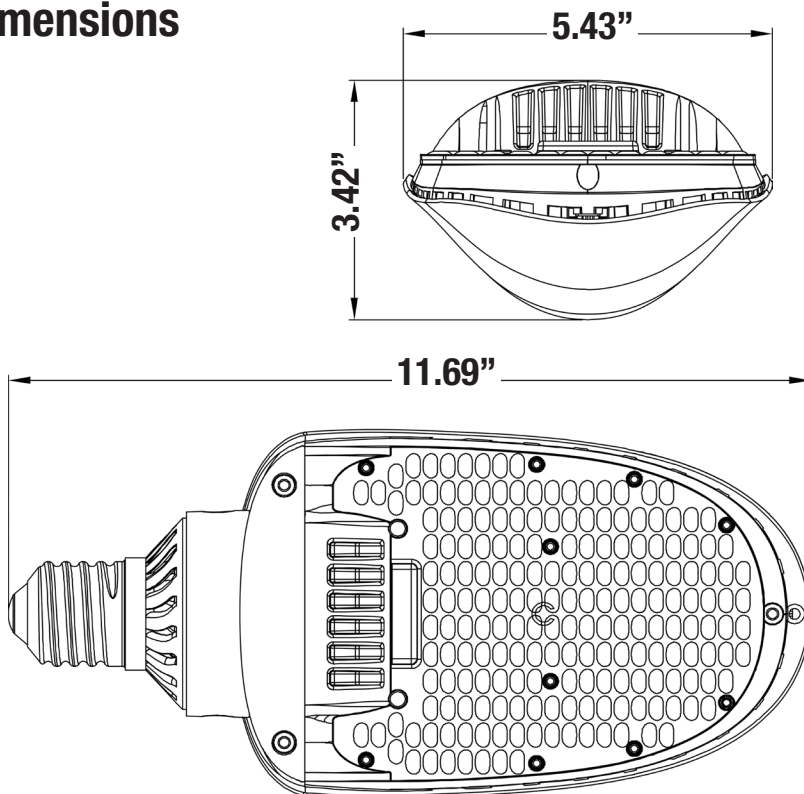
Rotatable base



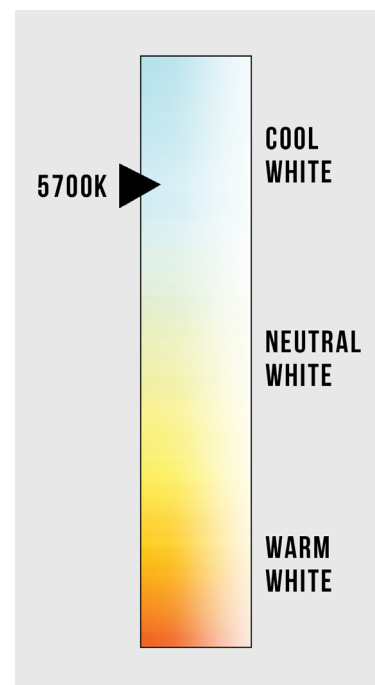
Covered Outdoor Use



Dimensions



CORRELATED COLOR TEMPERATURE (CCT)





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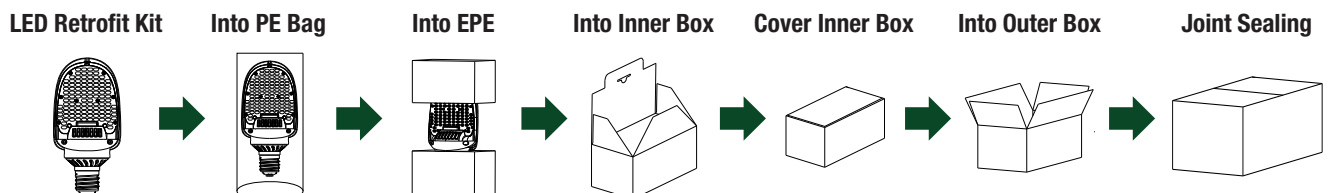
54W - Specifications

PRODUCT SPECIFICATIONS	
Lamp Base	E39
Dimension	11.6929" X 5.43307" X 3.4252"
Technical Characteristic	
Color temperature	5700K
CRI	> 70
Lumen-In Luminaires	6900Lm
Lumen Efficacy-In Luminaires	Up to 130 lumens per watt
Input Power	54W
Viewing Angle	90*150degree(TypeIII)
Input Voltage	AC100-277V 50/60Hz
PFC	>0.9
Equivalent	120W CFL , 175W MHL/HPS/HID
Waterproof Rating	IP51
MATERIALS	
LED Brand	PHILIPS LUMILEDS
LED Type	LUXEON 3030 2D (1.5W)
LED QTY	112 PCS
Housing	Magnesium Alloy+AL+PC
Housing color	Black+Silver
OTHERS	
Operating Temperature	-4°F to 113°F
Operating Humidity	20%-70% RH
Storage Temperature	-22°F to 176°F
Storage Humidity	10%-75% RH
Application	Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaires
Safety Certification	UL, CUL, DLC
Warranty Time	5 Years



Packaging

SKU #	Model #	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
110684	BLTCLH54WE3957KF	1	14" X 7" X 5"	3 Lb			



LED Flat Head Corncob Bulb

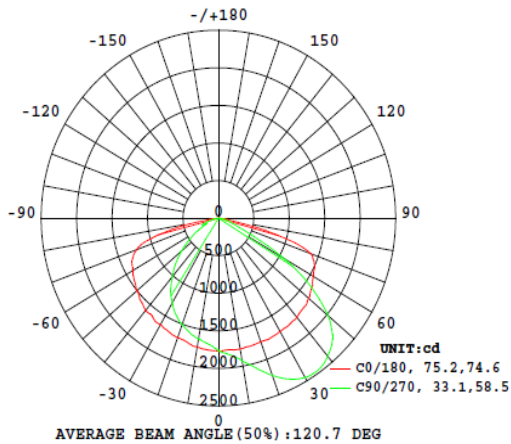
HD 1.2 Series

Distribution Diagram

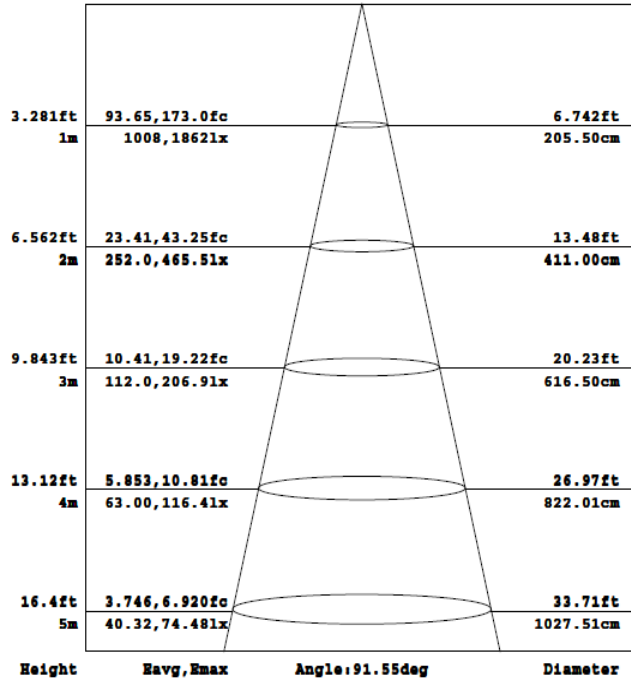
Remark: The testing data comes from the product in luminaires.

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	2480	S/MH(C0/180)	1.41
NOMINAL POWER (W)	54	LOR (%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	6664.7	η UP, DN(C0-180)	0.0, 64.8
NOMINAL FLUX (lm)	6664.69	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 35.0
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.0	η down (%)	99.9	CIBSE SHR MAX	1.55

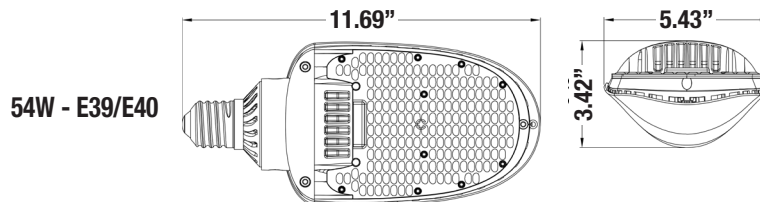
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 3396 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



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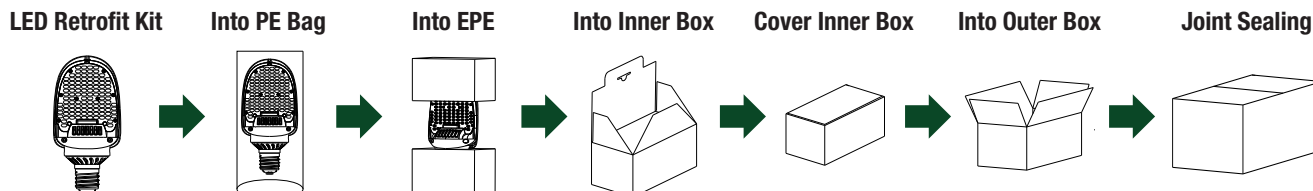
75W - Specifications

PRODUCT SPECIFICATIONS	
Lamp Base	E39
Dimension	11.6929" X 5.43307" X 3.4252"
Technical Characteristic	
Color temperature	5700K
CRI	> 70
Lumen-In Luminaires	8900Lm
Lumen Efficacy-In Luminaires	Up to 130 lumens per watt
Input Power	75W
Viewing Angle	90*150degree(TypeIII)
Input Voltage	AC100-277V 50/60Hz
PFC	>0.9
Equivalent	150W CFL , 250W MHL/HPS/HID
Waterproof Rating	IP51
MATERIALS	
LED Brand	PHILIPS LUMILEDS
LED Type	LUXEON 3030 2D (1.5W)
LED QTY	140 PCS
Housing	Magnesium Alloy+AL+PC
Housing color	Black+Silver
OTHERS	
Operating Temperature	-4°F to 113°F
Operating Humidity	20%-70% RH
Storage Temperature	-22°F to 176°F
Storage Humidity	10%-75% RH
Application	Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaires
Safety Certification	UL, CUL, DLC
Warranty Time	5 Years



Packaging

SKU #	Model #	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
110668	BLTCLH75WE3957K	1	14" X 7" X 5"	3 Lb			



LED Flat Head Corncob Bulb

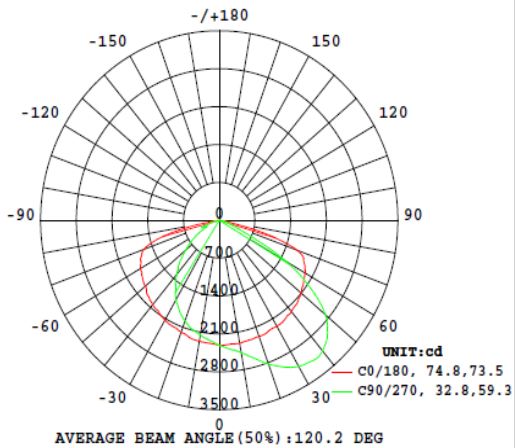
HD 1.2 Series

Distribution Diagram

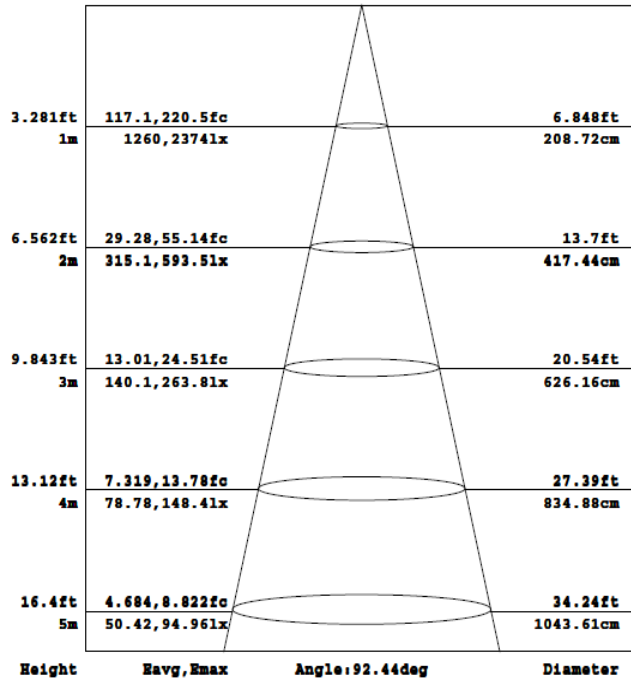
Remark: The testing data comes from the product in luminaires.

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	3203	S/MH (C0/180)	1.38
NOMINAL POWER (W)	75	LOR (%)	100.0	S/MH (C90/270)	1.11
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	8615.4	η UP, DN (C0-180)	0.1, 64.7
NOMINAL FLUX (lm)	8615.43	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 35.1
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.0	η down (%)	99.8	CIBSE SHR MAX	1.55

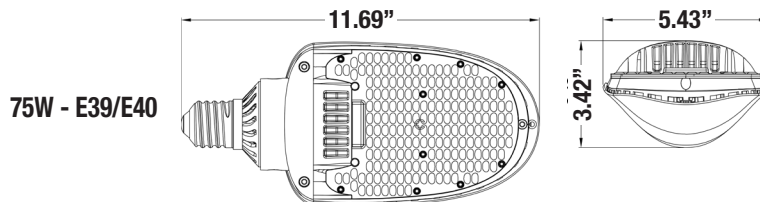
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 4554 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



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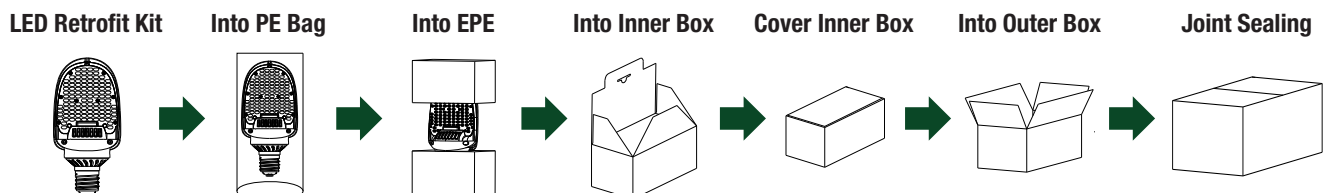
95W - Specifications

PRODUCT SPECIFICATIONS	
Lamp Base	E39
Dimension	11.6929" X 5.43307" X 3.4252"
Technical Characteristic	
Color temperature	5700K
CRI	> 70
Lumen-In Luminaires	11200Lm
Lumen Efficacy-In Luminaires	Up to 130 lumens per watt
Input Power	95W
Viewing Angle	90*150degree(TypeIII)
Input Voltage	AC100-277V 50/60Hz
PFC	>0.9
Equivalent	200W CFL , 250W MHL/HPS/HID
Waterproof Rating	IP51
MATERIALS	
LED Brand	PHILIPS LUMILEDS
LED Type	LUXEON 3030 2D (1.5W)
LED QTY	168 PCS
Housing	Magnesium Alloy+AL+PC
Housing color	Black+Silver
OTHERS	
Operating Temperature	-4°F to 113°F
Operating Humidity	20%-70% RH
Storage Temperature	-22°F to 176°F
Storage Humidity	10%-75% RH
Application	Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaires
Safety Certification	UL, CUL, DLC
Warranty Time	5 Years



Packaging

SKU #	Model #	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
110692	BLTCLH95WE3957K	1	14" X 7" X 5"	3 Lb			



LED Flat Head Corncob Bulb

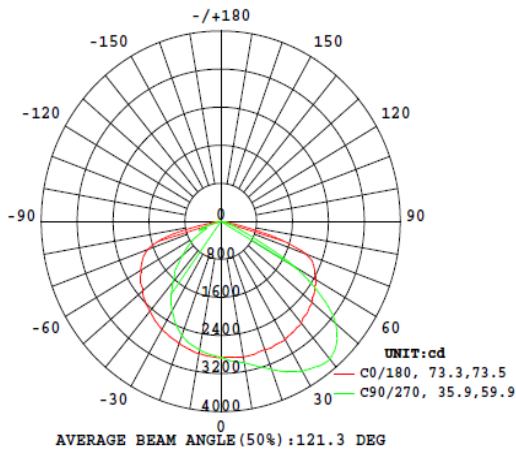
HD 1.2 Series

Distribution Diagram

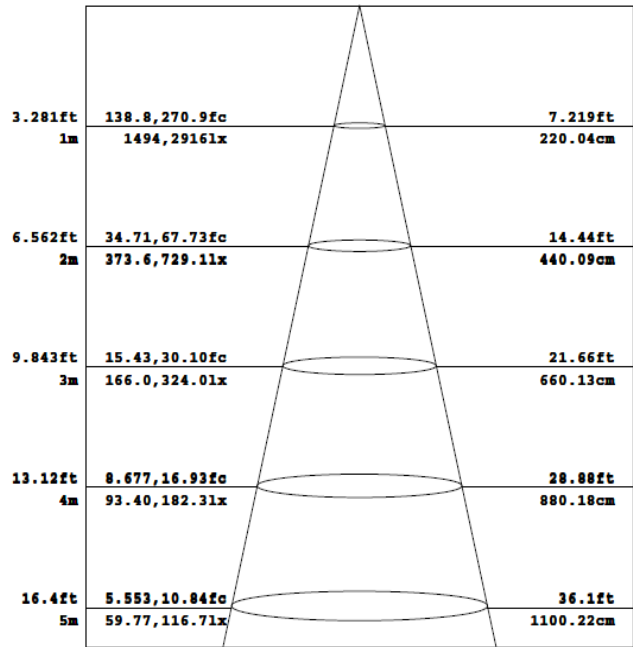
Remark: The testing data comes from the product in luminaires.

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.03 lm/W			
MODEL		I _{max} (cd)	3845	S/MH(C0/180)	1.38
NOMINAL POWER (W)	95	LOR (%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	10622	η UP, DN(C0-180)	0.1, 63.8
NOMINAL FLUX (lm)	10622.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 36.0
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	120.0	η down (%)	99.8	CIBSE SHR MAX	1.75

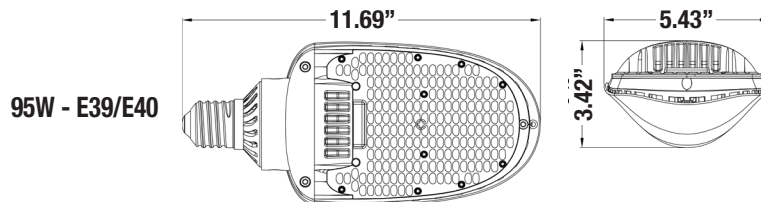
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 5791 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



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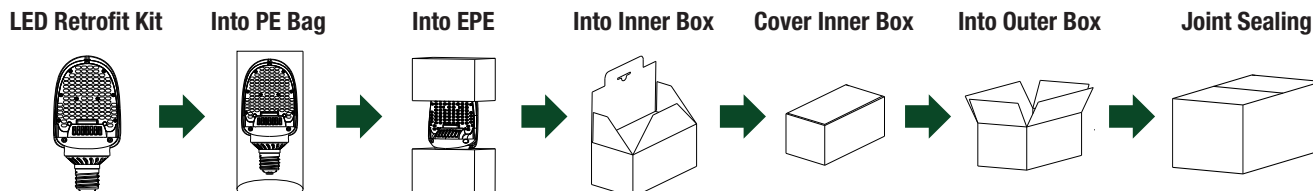
115W - Specifications

PRODUCT SPECIFICATIONS	
Lamp Base	E39
Dimension	11.6929" X 5.43307" X 3.4252"
Technical Characteristic	
Color temperature	5700K
CRI	> 70
Lumen-In Luminaires	13100Lm
Lumen Efficacy-In Luminaires	Up to 130 lumens per watt
Input Power	115W
Viewing Angle	90*150degree(TypeIII)
Input Voltage	AC100-277V 50/60Hz
PFC	>0.9
Equivalent	200W CFL , 400W MHL/HPS/HID
Waterproof Rating	IP51
MATERIALS	
LED Brand	PHILIPS LUMILEDS
LED Type	LUXEON 3030 2D (1.5W)
LED QTY	196 PCS
Housing	Magnesium Alloy+AL+PC
Housing color	Black+Silver
OTHERS	
Operating Temperature	-4°F to 113°F
Operating Humidity	20%-70% RH
Storage Temperature	-22°F to 176°F
Storage Humidity	10%-75% RH
Application	Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaires
Safety Certification	UL, CUL, DLC
Warranty Time	5 Years



Packaging

SKU #	Model #	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
110700	BLTCLH115WE3957K	1	14" X 7" X 5"	3 Lb			



LED Flat Head Corncob Bulb

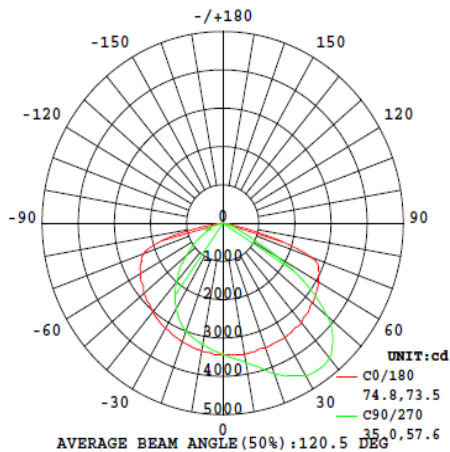
HD 1.2 Series

Distribution Diagram

Remark: The testing data comes from the product in luminaires.

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	4765	S/MH (C0/180)	1.40
NOMINAL POWER (W)	115	LOR (%)	100.0	S/MH (C90/270)	1.14
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	12819	η UP, DN (C0-180)	0.1, 63.9
NOMINAL FLUX (lm)	12819.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 35.9
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.0	η down (%)	99.8	CIBSE SHR MAX	1.55

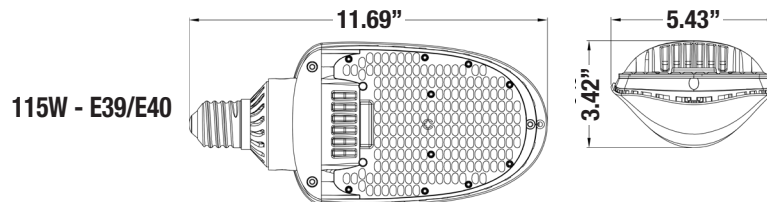
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 6576 lm

Height	Havg, Hmax	Angle: 91.38deg	Diameter
1m	1952, 35451x		204.89cm
2m	488.0, 886.21x		409.78cm
3m	216.9, 393.91x		614.67cm
4m	122.0, 221.61x		819.56cm
5m	78.08, 141.81x		1024.46cm
6m	54.22, 98.471x		1229.35cm
7m	39.84, 72.351x		1434.24cm
8m	30.50, 55.391x		1639.13cm
9m	24.10, 43.771x		1844.02cm
10m	19.52, 35.451x		2048.91cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

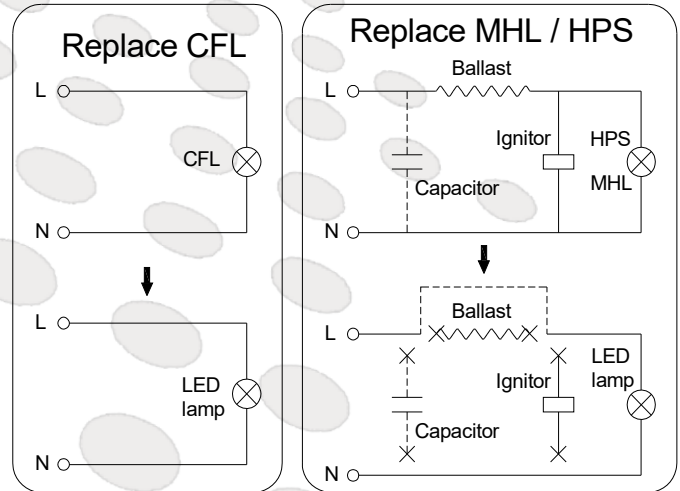


LED Flat Head Corncob Bulb

HD 1.2 Series

Notice For User

- Please turn off power before installing or changing assembly parts.
- The input voltage and lamps should be matched, after connecting the power line. Please make sure the wiring section is insulated.
- Make sure to remove or bypass the ballast in the fixtures before installing the lamps.
- Suitable for damp locations. Do not use with dimmers.
- Suitable for use in enclosed luminaires.
- Non-professionals, must not install and disassemble the lamps.



Trouble Shooting

Problem

- Flickering of the light -
- Not working -

Solutions

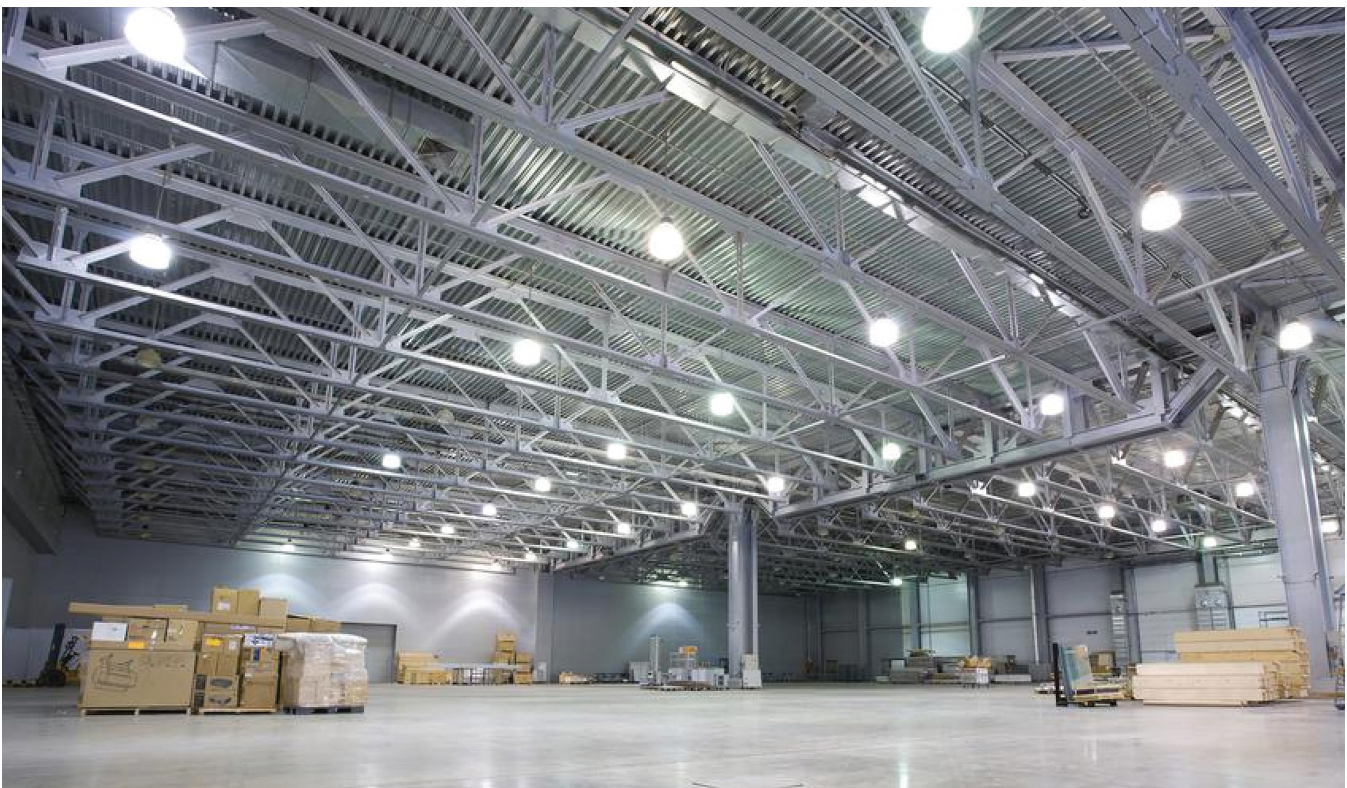
- Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.
- Please check all power connections.



E39/E40 Base

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LED CORNCOB BULBS

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