



# LED HID Corn Cob Lamps & Sensors

## Product Specifications



TCP's energy efficient LED HID Corn Cob lamps and sensors are an excellent choice for replacing traditional metal halide products. Damp location rated and designed for indoor use where low maintenance and high lumen output is required.

### Reasons to choose the LED High Bay lamps and sensors from TCP

- Uses less energy than traditional metal halide products
- 50,000 hour life minimizes replacement and maintenance costs
- UL approved for damp locations
- Rated for enclosed fixtures
- Omni-directional/360° beam angle for full light distribution
- Isolated driver for better heat dissipation and eliminates the need for a ballast
- Surge protection - all wattages have 4KV surge protection
- Sensor controls – several lamps can use daylight or motion sensing to control when lamps are on/off

### Ideal Applications

- Warehouses
- Street Lights
- Parking Lots
- Roadways
- Landscape Lighting
- Industrial Lighting

### Specifications:

Color Temperatures .....4000K, 5000K  
 Wattage Replacements .... 50W, 75W, 100W, 175W,  
 200W, 250W, 300W, 320W, 400W, 500W  
 Input Line Voltage ..... 100-277 VAC  
 Input Line Frequency..... 50/60HZ

Lamp Life (Rated) ..... 50,000 hours  
 Minimum Starting Temp ..... -40°C  
 Maximum Operating Temp..... 60°C  
 CRI..... ≥ 80  
 Surge Protection .....4kv



\*Based on 12 hours use per day

## Specifications



ITEM #	DESCRIPTION	DLC*	METAL HALIDE EQUIVALENT	VOLTAGE	BASE LAMP LUMENS	LED WATTS	CRI	COLOR TEMP	MOL (inches)	DIA (inches)	MIN ENCLOSURE DIMENSION (INCHES)	BASE	SENSOR COMPATIBLE	MASTER PACK
<b>LED HID Corn Cob Lamp Series</b>														
<b>120W LED HID</b>														
L120HEX395040K	LED 120W MH500 EX39 40K	★	500	120-277VAC	15000	120	>80	4000K	11.1	5.1	9.84" L x 9.84"	EX39	Yes	6
L120HEX395050K	LED 120W MH500 EX39 50K	★	500	120-277VAC	15000	120	>80	5000K	11.1	5.1	9.84" L x 9.84"	EX39	Yes	6
<b>100W LED HID</b>														
L100HEX395040K	LED 100W MH400 EX39 40K	★	400	120-277VAC	12500	100	>80	4000K	10.3	5.1	9.84" L x 9.84"	EX39	Yes	6
L100HEX395050K	LED 100W MH400 EX39 50K	★	400	120-277VAC	12500	100	>80	5000K	10.3	5.1	9.84" L x 9.84"	EX39	Yes	6
<b>80W LED HID</b>														
L80HEX395040K	LED 80W MH320 EX39 40K	★	320	120-277VAC	10000	80	>80	4000K	9.7	5.1	9.84" L x 9.84"	EX39	Yes	6
L80HEX395050K	LED 80W MH320 EX39 50K	★	320	120-277VAC	10000	80	>80	5000K	9.7	5.1	9.84" L x 9.84"	EX39	Yes	6
<b>63W LED HID</b>														
L63HEX395040K	LED 63W MH300 EX39 40K	★	300	120-277VAC	7875	63	>80	4000K	9.7	3.5	7.87" L x 7.87"	EX39	Yes	16
L63HEX395050K	LED 63W MH300 EX39 50K	★	300	120-277VAC	7875	63	>80	5000K	9.7	3.5	7.87" L x 7.87"	EX39	Yes	16
<b>54W LED HID</b>														
L54HEX395040K	LED 54W MH250 EX39 40K	★	250	120-277VAC	6750	54	>80	4000K	9.2	3.4	7.87" L x 7.87"	EX39	Yes	16
L54HEX395050K	LED 54W MH250 EX39 50K	★	250	120-277VAC	6750	54	>80	5000K	9.2	3.4	7.87" L x 7.87"	EX39	Yes	16
<b>45W LED HID</b>														
L45HEX395040K	LED 45W MH200 EX39 40K	★	200	120-277VAC	5625	45	>80	4000K	9.2	3.4	7.87" L x 7.87"	EX39	Yes	16
L45HEX395050K	LED 45W MH200 EX39 50K	★	200	120-277VAC	5625	45	>80	5000K	9.2	3.4	7.87" L x 7.87"	EX39	Yes	16
L45HE265040K	LED 45W MH200 E26 40K		200	120-277VAC	5625	45	>80	4000K	9.1	3.4	7.87" L x 7.87"	E26	No	16
L45HE265050K	LED 45W MH200 E26 50K		200	120-277VAC	5625	45	>80	5000K	9.1	3.4	7.87" L x 7.87"	E26	No	16
<b>36W LED HID</b>														
L36HE265040K	LED 36W MH175 E26 40K		175	120-277VAC	4500	36	>80	4000K	7.9	3.4	7.87" L x 7.87"	E26	No	16
L36HE265050K	LED 36W MH175 E26 50K		175	120-277VAC	4500	36	>80	5000K	7.9	3.4	7.87" L x 7.87"	E26	No	16
<b>27W LED HID</b>														
L27HE265040K	LED 27W MH100 E26 40K		100	120-277VAC	3375	27	>80	4000K	6.5	2.4	7.87" L x 7.87"	E26	No	16
L27HE265050K	LED 27W MH100 E26 50K		100	120-277VAC	3375	27	>80	5000K	6.5	2.4	7.87" L x 7.87"	E26	No	16
<b>18W LED HID</b>														
L18HE265040K	LED 18W MH75 E26 40K		75	120-277VAC	2250	18	>80	4000K	5.8	2.4	7.87" L x 7.87"	E26	No	16
L18HE265050K	LED 18W MH75 E26 50K		75	120-277VAC	2250	18	>80	5000K	5.8	2.4	7.87" L x 7.87"	E26	No	16
<b>12W LED HID</b>														
L12HE265040K	LED 12W MH50 E26 40K		50	120-277VAC	1500	12	>80	4000K	5.0	2.4	7.87" L x 7.87"	E26	No	16
L12HE265050K	LED 12W MH50 E26 50K		50	120-277VAC	1500	12	>80	5000K	5.0	2.4	7.87" L x 7.87"	E26	No	16

\* DLC qualified product at time of printing, consult [designlights.org](http://designlights.org) for the most up-to-date listing

## Specifications



L100MHX3950xxK



L80MHX3950xxK



L45MHX3950xxK



L45MHE2650xxK



L24MHE2650xxK



L19MHE2650xxK

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<b>LED HID Corn Cob Lamp Series</b>														
<b>100W LED HID</b>														
L100MHX395040K	LED 100W MH400 EX39 40K	★	400	120-277VAC	13500	100	>80	4000K	12.8	5.1	9.84" Lx9.84"	EX39	No	6
<b>80W LED HID</b>														
L80MHX395040K	LED 80W MH250 EX39 40K	★	250	120-277VAC	10400	80	>80	4000K	11.6	5.1	9.84" Lx9.84"	EX39	No	6
L80MHX395050K	LED 80W MH250 EX39 50K	★	250	120-277VAC	10800	80	>80	5000K	11.6	5.1	9.84" Lx9.84"	EX39	No	6
<b>45W LED HID</b>														
L45MHX395040K	LED 45W MH175 EX39 40K	★	175	120-277VAC	5850	45	>80	4000K	10.8	3.4	7.87" Lx7.87"	EX39	No	16
L45MHX395050K	LED 45W MH175 EX39 50K	★	175	120-277VAC	6075	45	>80	5000K	10.8	3.4	7.87" Lx7.87"	EX39	No	16
L45MHE265040K	LED 45W MH175 E26 40K		175	120-277VAC	5850	45	>80	4000K	10.8	3.4	7.87" Lx7.87"	E26	No	16
L45MHE265050K	LED 45W MH175 E26 50K		175	120-277VAC	6075	45	>80	5000K	10.8	3.4	7.87" Lx7.87"	E26	No	16
<b>24W LED HID</b>														
L24MHE265040K	LED 24W MH100 E26 40K		100	120-277VAC	3120	24	>80	4000K	6.7	2.5	7.87" Lx7.87"	E26	No	16
<b>19W LED HID</b>														
L19MHE265040K	LED 19W MH70 E26 40K		70	120-277VAC	2470	19	>80	4000K	6.1	2.5	7.87" Lx7.87"	E26	No	16

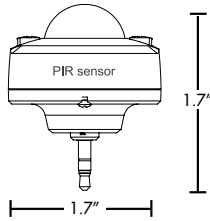
\* DLC qualified product at time of printing, consult designlights.org for the most up-to-date listing

**Note: These lamps will be phased out. Please check with your TCP Representative concerning availability.**

## Specifications



LHSIR001



### HID HB PIR Occupancy Sensor:

When connected to the TCP HID Corn Cob Lamp, the sensor delivers excellent motion detection. When no motion is detected, the TCP HID Corn Cob Lamp brightness will be switched to a preset Dim Level from 0 – 60%. When motion is detected, the TCP HID Corn Cob Lamp, brightness will be switched to 100% for a preset Hold Time. If natural light is present, the Lamp will turn off.

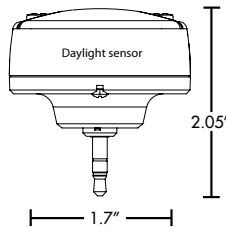
#### Features:

- Normal Motion Detecting
- Daylight Threshold
- Step Dimming
- Do not expose directly to water
- One module for one lamp
- Not suitable for enclosed luminaires
- Set the Dim Level and Hold Time before installation

Voltage.....	1.5V DC ± 2V	Illuminance.....	Around 300LUX
Output Voltage.....	0-10V	Operating Temperature.....	-20°C ~ + 35°C (4°F~ + 95°F)
Current.....	20mA	Storage Temperature.....	-20°C ~ + 40°C (-4°F~ + 104°F)
Sensing Angle.....	120° (Installation Vertically)	Hold Time Options.....	30S/90S/5Min/10Min
Detecting Range.....	Around Dia 10m	IP Rating.....	IP20
Standby Power Range.....	0% - 60%	Warranty.....	5 Years



LHSDL001



### HID HB Daylight Sensor:

When connected to the TCP HID Corn Cob Lamp, the sensor delivers natural light detection. When the natural light level is below the Lux setting, the TCP HID Corn Cob Lamp will turn on for the preset Hold Time. When the natural light level is above the Lux setting, the TCP HID Corn Cob Lamp will turn on.

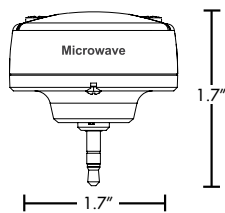
#### Features:

- Only Identify Natural Light
- Daylight Threshold
- One module for one lamp
- Set the Lux Level and Hold Time before installation

Voltage.....	1.5V DC ± 2V	Operating Temperature.....	-20°C~ + 60°C, -4°F~ + 14°F
Output Voltage.....	0-10V	IP Rating.....	IP20
Current.....	20mA	Warranty.....	5 Years
LUX Range.....	20-∞		



LHSMW001



### HID HB Microwave Occupancy Sensor:

When connected to the TCP HID Corn Cob Lamp, the sensor delivers 120° detection through objects and walls. When no motion is detected, the TCP HID Corn Cob Lamp brightness will be switched to a preset Dim Level from 0 – 60%. When motion is detected, the TCP HID Corn Cob Lamp brightness will be switched to 100% for a preset Hold Time.

#### Features:

- Normal Motion Detecting
- ON/OFF Function
- Step Dimming
- Do not expose directly to water
- One module for one lamp
- Not for outdoor use
- Set the Dim Level and Hold Time before installation

Frequency.....	5.8 GHz ± 75MHz	Detecting Range.....	Around Dia 10m
Voltage.....	1.5V DC± 2V	Operating Temperature.....	-20°C ~ + 60°C (-4°F~ + 140°F)
Output Voltage.....	0-10V	Storage Temperature.....	-20°C ~ + 40°C (-4°F~ + 104°F)
Current.....	20mA	IP Rating.....	IP20
Transmit Power.....	1mW	Warranty.....	5 Years
Sensing Angle.....	120° (Installation Vertically)		

## Sensor Installation

