



# LED HID Series

**OMNIDIRECTIONAL • 50,000 HOURS • 100-277 VAC**

TCP's energy efficient LED HID lamps are an excellent choice for replacing traditional metal halide products. Designed for indoor and outdoor use where low maintenance and high lumen output is required.



LED  
we know light.™

## LIMITLESS OPTIONS FOR THE FOLLOWING APPLICATIONS

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

| FEATURES  | BENEFITS  |
|---|---|
| Uses less energy than traditional metal halide products | Instant energy savings  |
| Long life – 50,000 hours                                | Minimizes replacement and maintenance costs   |
| UL approved for damp locations                          | Can be used outdoors when protected from elements— withstands humidity indoors/outdoors |
| Shatter resistant                                       | Lower risk of injury and breakage   |
| Omni-directional/360° beam angle                        | Full light distribution   |
| Isolated driver   | All for better heat dissipation   |
| Rated for enclosed fixtures                             | Can be used in both open and enclosed fixtures  |
| Surge protection benefit                                | All wattages have 4KV surge protection  |
| Sensor Controls   | Several lamps can use daylight or motion sensing to control when lamps are on/off       |

Ballast Bypass – direct wire only, not for use with luminaire ballast

## SPECIFICATIONS

|                        |   |
|------------------------|---|
| Color Temperatures     | .....4000K, 5000K   |
| Wattage Replacements   | .....50W, 75W, 100W, 175W, 200W,<br>.....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  |



**RoHS**  
COMPLIANT

**5 YEAR**  
WARRANTY  
\* Based on 12 hours use per day



To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).



L120HEX3950xxK L100HEX3950xxK L80HEX3950xxK LL63HEX3950xxK L54HEX3950xxK L45HEX3950xxK



L45HE2650xxK L36HE2650xxK L27HE2650xxK L18HE2650xxK L12HE2650xxK





# LED HID SERIES

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| ITEM #              | DESCRIPTION             | VOLTAGE  | LED WATTS | METAL HALIDE COMPARE | BARE LAMP LUMENS | LPW | CCT | COLOR TEMP | MOL (inches) | DIA (inches) | BASE | MASTER PACK | SENSOR COMPATIBLE |
|---------------------|-------------------------|----------|-----------|----------------------|------------------|-----|-----|------------|--------------|--------------|------|-------------|-------------------|
| <b>120W LED HID</b> |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L120HEX395040K**    | LED 120W MH500 EX39 40K | 120-277V | 120       | 500                  | 15000            | 125 | >80 | 4000K      | 11.1         | 5.1          | EX39 | 6           | YES               |
| L120HEX395050K**    | LED 120W MH500 EX39 50K | 120-277V | 120       | 500                  | 15000            | 125 | >80 | 5000K      | 11.1         | 5.1          | EX39 | 6           | YES               |
| <b>100W LED HID</b> |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L100HEX395040K**    | LED 100W MH400 EX39 40K | 120-277V | 100       | 400                  | 12500            | 125 | >80 | 4000K      | 10.3         | 5.1          | EX39 | 6           | YES               |
| L100HEX395050K**    | LED 100W MH400 EX39 50K | 120-277V | 100       | 400                  | 12500            | 125 | >80 | 5000K      | 10.3         | 5.1          | EX39 | 6           | YES               |
| <b>80W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L80HEX395040K**     | LED 80W MH320 EX39 40K  | 120-277V | 80        | 320                  | 10000            | 125 | >80 | 4000K      | 9.7          | 5.1          | EX39 | 6           | YES               |
| L80HEX395050K**     | LED 80W MH320 EX39 50K  | 120-277V | 80        | 320                  | 10000            | 125 | >80 | 5000K      | 9.7          | 5.1          | EX39 | 6           | YES               |
| <b>63W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L63HEX395040K**     | LED 63W MH320 EX39 40K  | 120-277V | 63        | 300                  | 7875             | 125 | >80 | 4000K      | 9.7          | 3.5          | EX39 | 6           | YES               |
| L63HEX395050K**     | LED 63W MH320 EX39 50K  | 120-277V | 63        | 300                  | 7875             | 125 | >80 | 5000K      | 9.7          | 3.5          | EX39 | 6           | YES               |
| <b>54W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L54HEX395040K**     | LED 54W MH250 EX39 40K  | 120-277V | 54        | 250                  | 6750             | 125 | >80 | 4000K      | 9.2          | 3.4          | EX39 | 6           | YES               |
| L54HEX395050K**     | LED 54W MH250 EX39 50K  | 120-277V | 54        | 250                  | 6750             | 125 | >80 | 5000K      | 9.2          | 3.4          | EX39 | 6           | YES               |
| <b>45W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L45HEX395040K**     | LED 45W MH200 EX39 40K  | 120-277V | 45        | 200                  | 5625             | 125 | >80 | 4000K      | 9.2          | 3.4          | EX39 | 16          | YES               |
| L45HEX395050K**     | LED 45W MH200 EX39 50K  | 120-277V | 45        | 200                  | 5625             | 125 | >80 | 5000K      | 9.2          | 3.4          | EX39 | 16          | YES               |
| L45HE265040K        | LED 45W MH200 E26 40K   | 120-277V | 45        | 200                  | 5625             | 125 | >80 | 4000K      | 9.1          | 3.4          | E26  | 16          | YES               |
| L45HE265050K        | LED 45W MH200 E26 50K   | 120-277V | 45        | 200                  | 5625             | 125 | >80 | 5000K      | 9.1          | 3.4          | E26  | 16          | YES               |
| <b>36W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L36HE265040K        | LED 36W MH175 E26 40K   | 120-277V | 36        | 175                  | 4500             | 125 | >80 | 4000K      | 7.9          | 3.4          | E26  | 16          | YES               |
| L36HE265050K        | LED 36W MH175 E26 50K   | 120-277V | 36        | 175                  | 4500             | 125 | >80 | 5000K      | 7.9          | 3.4          | E26  | 16          | YES               |
| <b>27W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L27HE265040K        | LED 27W MH100 E26 40K   | 120-277V | 27        | 100                  | 3375             | 125 | >80 | 4000K      | 6.5          | 2.4          | E26  | 16          | NO                |
| L27HE265050K        | LED 27W MH100 E26 50K   | 120-277V | 27        | 100                  | 3375             | 125 | >80 | 5000K      | 6.5          | 2.4          | E26  | 16          | NO                |
| <b>18W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L18HE265040K        | LED 18W MH100 E26 40K   | 120-277V | 18        | 75                   | 2250             | 125 | >80 | 4000K      | 5.8          | 2.4          | E26  | 16          | NO                |
| L18HE265050K        | LED 18W MH100 E26 50K   | 120-277V | 18        | 75                   | 2250             | 125 | >80 | 5000K      | 5.8          | 2.4          | E26  | 16          | NO                |
| <b>12W LED HID</b>  |                         |          |           |                      |                  |     |     |            |              |              |      |             |                   |
| L12HE265040K        | LED 12W MH100 E26 40K   | 120-277V | 12        | 50                   | 1500             | 125 | >80 | 4000K      | 5.0          | 2.4          | E26  | 16          | NO                |
| L12HE265050K        | LED 12W MH100 E26 50K   | 120-277V | 12        | 50                   | 1500             | 125 | >80 | 5000K      | 5.0          | 2.4          | E26  | 16          | NO                |

| ITEM #                | DESCRIPTION                       | MOL (inches) | DIA (inches) | MASTER PACK |
|-----------------------|-----------------------------------|--------------|--------------|-------------|
| <b>HID HB SENSORS</b> |                                   |              |              |             |
| LHSMW001              | HID HB MICROWAVE OCCUPANCY SENSOR | 1.8          | 1.7          | 100         |
| LHSDL001              | HID HB DAYLIGHT SENSOR            | 2.0          | 1.7          | 100         |
| LHSIRO01              | HID HB PIR OCCUPANCY SENSOR       | 1.8          | 1.7          | 100         |

Sensors:



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



To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).

The above products are approved for enclosed fixtures with Minimum Lamp Compartment Dimensions as specified below in the represented images.

For the most up-to-date specs, please visit [www.tcp.com](http://www.tcp.com)

TCP®

325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | [tcp.com](http://tcp.com)

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