



# LED HID T-Shape Series

Directional  
50,000 Hours



LHID250  
E39 base

LHID175  
E39 base

LHID150  
E26 base

LHID100  
E26 base

LHID070  
E26 base

TCP's LED T-shape HID replacements are changing the LED game for HID replacement lamps. Unlike traditional HID and LED "Corn Cob" solutions, the TCP LED T-shapes are directional and deliver maximum lumens on the floor. The plastic lens helps to minimize glare and increase overall lamp performance.

## Reasons to choose the LED HID Series from TCP

Operates on less energy than traditional metal halide products for instant energy savings. Long life of 50,000 hours helps minimize replacement and maintenance costs. Directional 180° beam angle delivers maximum lumen distribution on the floor. Shatter resistance lowers the risk of injury and breakage. An isolated driver helps with heat dissipation. The LED HID Series is wet location rated, when exposed to water use only with device base up. Approved for totally enclosed high bay and low bay fixtures with a minimum lamp compartment of 16 inches in diameter by 10.43 inches high\*. The LED HID Series offers 6kv surge protection.

## Ideal Applications

- High and Low Bay Metal Halide Replacement or any HID type lamp

## Specifications:

Color Temperatures .....4000K, 5000K  
Wattage Replacements ...70W, 100W, 150W, 175W,  
..... 250W, 400W  
Input Line Voltage ..... 120-277 VAC  
Input Line Frequency..... 50/60HZ  
Lamp Life (Rated) ..... 50,000 hours  
Minimum Starting Temp ..... -30°C

Maximum Operating Temp..... 45°C  
CRI..... ≥ 80  
Surge Protection ..... 6kv  
Suitable for use in totally enclosed high bay and low bay fixtures with a minimum lamp compartment of 16 inches in diameter by 10.43 inches high. Bypass construction. Non dimmable.

\* Not recommended for sealed area lights, pole lights and floodlights.



| ITEM #     | DESCRIPTION            | VOLTAGE  | LED WATTS | WATTAGE EQUIVALENT | LUMENS | LPW    | CCT | COLOR TEMP | BEAM ANGLE | MOL (inches) | DIA (inches) | WEIGHT (pounds) | BASE                        | MASTER PACK |
|------------|------------------------|----------|-----------|--------------------|--------|--------|-----|------------|------------|--------------|--------------|-----------------|-----------------------------|-------------|
| LHID25040* | LED 90W MH400 EX39 40K | 120-277V | 90        | 250-400            | 13,600 | 151.11 | >80 | 4000K      | 180°       | 10.3         | 5.2          | 2.4             | EX39                        | 6           |
| LHID25050* | LED 90W MH400 EX39 50K | 120-277V | 90        | 250-400            | 13,600 | 151.11 | >80 | 5000K      | 180°       | 10.3         | 5.2          | 2.4             | EX39                        | 6           |
| LHID17540* | LED 65W MH250 EX39 40K | 120-277V | 65        | 175-250            | 9900   | 152.31 | >80 | 4000K      | 180°       | 10.3         | 5.2          | 2.0             | EX39                        | 6           |
| LHID17550* | LED 65W MH250 EX39 50K | 120-277V | 65        | 175-250            | 9900   | 152.31 | >80 | 5000K      | 180°       | 10.3         | 5.2          | 2.4             | EX39                        | 6           |
| LHID15040  | LED 40W MH175 E26 40K  | 120-277V | 40        | 150-175            | 5850   | 146.25 | >80 | 4000K      | 180°       | 8.5          | 4.4          | 1.4             | includes E26 to E39 ADAPTER | 6           |
| LHID15050  | LED 40W MH175 E26 50K  | 120-277V | 40        | 150-175            | 5850   | 146.25 | >80 | 5000K      | 180°       | 8.5          | 4.4          | 1.4             | includes E26 to E39 ADAPTER | 6           |
| LHID10035  | LED 25W MH150 E26 35K  | 120-277V | 25        | 100-150            | 3750   | 150    | >80 | 3500K      | 180°       | 7.4          | 3.8          | 1.1             | E26                         | 6           |
| LHID10040  | LED 25W MH150 E26 40K  | 120-277V | 25        | 100-150            | 3750   | 150    | >80 | 4000K      | 180°       | 7.4          | 3.8          | 1.1             | E26                         | 6           |
| LHID10050  | LED 25W MH150 E26 50K  | 120-277V | 25        | 100-150            | 3750   | 150    | >80 | 5000K      | 180°       | 7.4          | 3.8          | 1.1             | E26                         | 6           |
| LHID07040  | LED 20W MH70 E26 40K   | 120-277V | 20        | 70-100             | 3000   | 150    | >80 | 4000K      | 180°       | 5.5          | 3.0          | 0.7             | E26                         | 6           |
| LHID07050  | LED 20W MH70 E26 50K   | 120-277V | 20        | 70-100             | 3000   | 150    | >80 | 5000K      | 180°       | 5.5          | 3.0          | 0.7             | E26                         | 6           |

\* DLC approved.

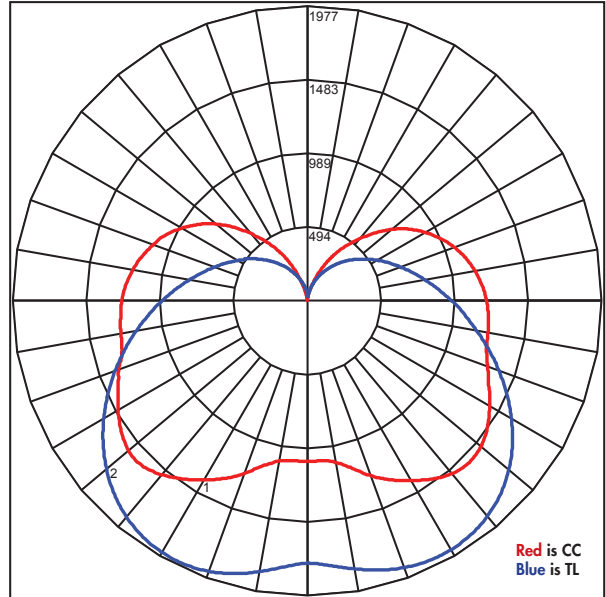
## LED T-shape HIDs vs traditional LED HIDs "Corn Cob"



## LED T-shape HIDs vs traditional LED HIDs "Corn Cob"

| LHID250<br>ZONAL LUMENS |     | BY ZONE |         |
|-------------------------|-----|---------|---------|
|                         |     | 90w TL  | 100w CC |
| 0                       | 10  | 174     | 104     |
| 10                      | 20  | 540     | 330     |
| 20                      | 30  | 902     | 606     |
| 30                      | 40  | 1207    | 905     |
| 40                      | 50  | 1413    | 1176    |
| 50                      | 60  | 1492    | 1321    |
| 60                      | 70  | 1450    | 1339    |
| 70                      | 80  | 1319    | 1320    |
| 80                      | 90  | 1138    | 1324    |
| 90                      | 100 | 937     | 1281    |
| 100                     | 110 | 742     | 1164    |
| 110                     | 120 | 563     | 985     |
| 120                     | 130 | 403     | 757     |

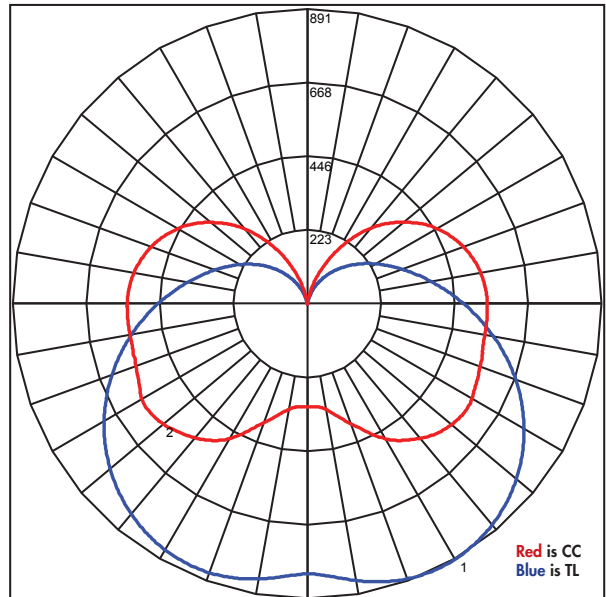
Candela Display



# 1 CTL 4976 L100MHX39... - Vertical Plane Through Horizontal Angles (225 - 45) Max. Candela  
 # 2 CTL 4973 LHID25... - Vertical Plane Through Horizontal Angles (247.5 - 67.5) Max. Candela

| LHID150<br>ZONAL LUMENS |     | BY ZONE |        |
|-------------------------|-----|---------|--------|
|                         |     | 40w TL  | 40w CC |
| 0                       | 10  | 79      | 30     |
| 10                      | 20  | 244     | 100    |
| 20                      | 30  | 405     | 194    |
| 30                      | 40  | 541     | 307    |
| 40                      | 50  | 639     | 415    |
| 50                      | 60  | 688     | 503    |
| 60                      | 70  | 687     | 549    |
| 70                      | 80  | 640     | 567    |
| 80                      | 90  | 558     | 583    |
| 90                      | 100 | 459     | 578    |
| 100                     | 110 | 361     | 539    |
| 110                     | 120 | 272     | 467    |
| 120                     | 130 | 193     | 370    |

Candela Display



# 1 CTL 4971 LHID15... - Vertical Plane Through Horizontal Angles (337.5 - 157.5) Max. Candela  
 # 2 CTL 4975 L45MHE... - Vertical Plane Through Horizontal Angles (270 - 90) Max. Candela

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

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