# Select Series LED UFO High Bay Luminaires

## Product Specifications

TCP's easy-to-install Select Series LED UFO High Bay Luminaires have a sleek, robust design to meet a variety of application needs.
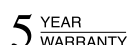
Combining long-life and outstanding efficacy up to 165 LPW, TCP offers a cost-effective solution to maximize energy and maintenance savings. These LED luminaires instantly deliver brilliant white light, eliminating long warm up times experienced with HID fixtures.

## Reasons to choose the Select Series LED UFO High Bay Luminaires from TCP

- Energy-efficient design delivers up to 165 LPW and uses less energy than HID alternatives
- Smooth, uniform 0-10V dimming
- Instant on
- Long-life: 50,000 hours
- Heavy duty die-cast aluminum housing

- IP65 wet location rated
- Standard hanging hook and optional pendant mount adapter available for easy installation
- Mercury-free and environmentally friendly
- Battery backup is Title 20 Compliant
- IK10 rating eliminates the need for a wire guard

## Ideal Applications

- Warehouses & Distribution Centers
- Commercial Facilities

- Aisles (Open & Stock)
- Retailers
- Schools & Municipalities

- Field Houses & Gymnasiums
- Open Ceiling Designs

**TCP®**
325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcpi.com

IP65 RATED | IK10 VANDAL RESISTANT | WET LOCATION | DLC QPL LISTED PREMIUM | c(UL)us LISTED | 5 YEAR WARRANTY

Not all versions of this product are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl.

## Specifications

Input Line Voltage ....................................................120-277VAC
Input Line Frequency (Hz) ............................................. 50/60Hz
Wattage (W).......................... 80/120/150/155/200/240W
Lumens (L).... 13,200/19,800/24,750/25,500/33,000/39,600L
Lumens per Watt (LPW)..............................................>165 LPW
Rated Life.............................................................. 50,000 hours
Minimum Starting Temperature ...................................-40°C (-22°F)
Maximum Operating Temperature............................50°C (122°F)
CRI.................................................................................>80
Power Factor ..................................................................>0.95
THD..................................................................................<20%
Surge Protection ................................................................. 6kV
Ratings .......................................... cULus wet location rated, IP65,
IK10 Impact rating, DLC 5.1 Premium
Controls...........................................ZHAGA Book 18 Receptacle

Select Series LED Round High Bay

## Replacement Strategy

| TYPE | WATTAGE | ENERGY SAVINGS |
| --- | --- | --- |
| TCP UFO High Bay – 13,200 Lumens | 80W | — |
| 150W Metal Halide | 150W | 47% |
| TCP UFO High Bay – 19,800 Lumens | 120W | — |
| 175W Metal Halide | 175W | 31% |
| TCP UFO High Bay – 24,750 Lumens | 150W | — |
| 250W Metal Halide | 250W | 40% |
| TCP UFO High Bay – 33,000 Lumens | 200W | — |
| 320W Metal Halide | 320W | 38% |
| TCP UFO High Bay – 39,600 Lumens | 240W | — |
| 400W Metal Halide | 400W | 40% |

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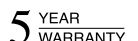
## Applications

The TCP Select Series LED UFO High Bay Luminaire is ideal for replacing traditional metal halide high bay systems. Benefits include high efficiency, excellent color rendering, long life, instant on, and improved uniformity.

Suggested mounting heights from 40' – 60' with primary applications including warehousing, commercial facilities, manufacturing facilities, open floor, aisle applications, and gymnasiums.

## Construction

- Housing: durable and lightweight cast aluminum alloy
- IK10 rating eliminates the need for a wireguard
- Polycarbonate lens
- Finish: powder coated, post-painted black
- Easy-to-install with hanging hook (standard) or optional pendant mount adapter or pendant mount adapter with wiring box
- Sleek, stylish design
- 6FT power cord

## Electrical

- cULus wet location rated, IP65
- 0-10V dimming driver (standard)
- System rated for long 50,000 hour life
- Efficiently delivers up to 165 LPW
- ZHAGA Book 18 Receptacle

## Optics

- 110° beam angle

| Item Number | | |
|---|---|---|
| **Notes** | | **Type** |
| | | |



### Listings
cULus Listed – wet location rated
IP65 Rated
RoHS Compliant
IK10 Rated
DLC 5.1 Premium

### Warranty
Five year limited warranty against defects in manufacturing.

## Catalog Ordering Matrix

| FAMILY | VOLTAGE | DIMMING | LUMEN PACKAGE (POWER)[1,2,5] | COLOR TEMPERATURE | OPTIONS |
|---|---|---|---|---|---|
| **SELECTABLE WATTAGE WITH SELECTABLE COLOR** | | | | | |
| **UFO** – Select Series UFO High Bay | **U** – 120V-277V **H** – 347V/480V (step down transformer) | **ZD** – 0-10V Dimming | **SW3** – 13,200/16,500/24,750L (80/120/150W) **SW6** – 24,750/33,000/39,600L (155/200/240W) | **CCT** – 30K/40K/50K Selectable | **NLS** – Network Lighting PIR Sensor |
| **SINGLE WATTAGE WITH SELECTABLE COLOR** | | | | | |
| **UFO** – Select Series UFO High Bay | **U** – 120V-277V **H** – 347V/480V (step down transformer) | **ZD** – 0-10V Dimming | **240** – 39,600L (240W) **200** – 33,000L (200W) **155** – 25,500L (155W) **150** – 24,750L (150W) **120** – 19,800L (120W) **80** – 13,200L (80W) | **CCT** – 30K/40K/50K Selectable | **NLS** – Network Lighting PIR Sensor |

**Accessories:**

| Item Number | Description |
|---|---|
| **UFOBRKT** | ADJUSTABLE BRACKET |
| **RHBPMA34** | 3/4" PENDANT MOUNT ADAPTER |
| **UFOPMJB34** | 3/4" PENDANT MOUNT JUNCTION BOX |
| **BILDAIP65EM30** | 30W IP65 WET LOCATION RATED TITLE 20 BACKUP BATTERY |
| **HM1** | HAISEN 12V 0-10V DIMMING MICROWAVE SENSOR |
| **HP1** | HAISEN 12V 0-10V DIMMING PASSIVE INFRARED SENSOR |
| **HREMOTE**[4] | REMOTE FOR HM1 AND HP1 |

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
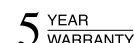[2] Actual wattage may differ by +/- 10%.
[3] Black color is standard. Other colors are special order only, extended lead times will apply. 100 pieces minimum order quantity for special color orders.
[4] Only one remote needed per job.
[5] 80 and 120W single wattage models match the SW3 dimensions, 150 and 200W single wattage models match the SW6 dimensions.

IP65 RATED   IK10 VANDAL RESISTANT   WET LOCATION   DLC QPL LISTED PREMIUM   c UL us LISTED   5 YEAR WARRANTY
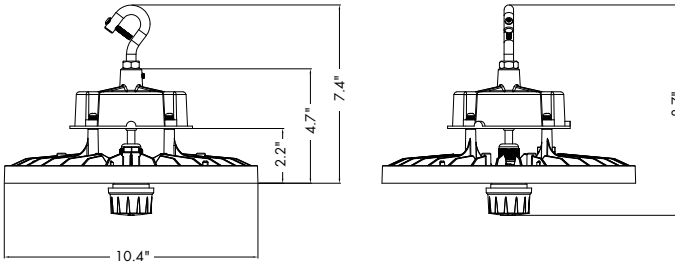
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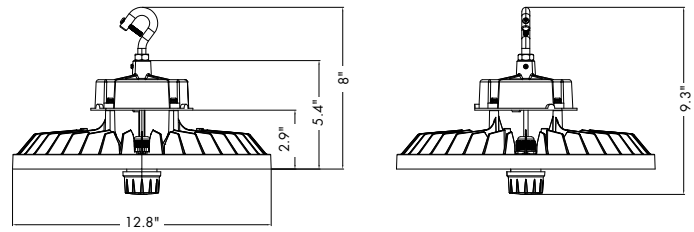
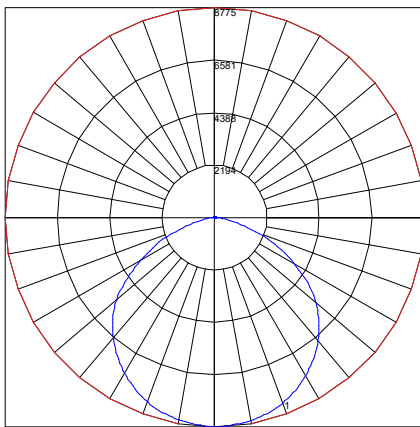SELECT SERIES by TCP | High Efficacy by TCP

# Dimensions and Mounting Data

## SW3



7.4"
4.7"
2.2"
10.4"
8.7"

## SW6



8"
5.4"
2.9"
12.8"
9.3"

# Photometric Report

Based on photometric data for TCP Item #UFOUZDSW3CCT

## Polar Graph



8775
6581
4388
2194

Maximum Candela = 8775.1   Located At Horizontal Angle = 90, Vertical Angle = 1
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

Spacing Criterion (0-180):     1.28
Spacing Criterion (90-270):    1.30

## Cone Charts

### 150W Model – 4000K Configuration

Flux Out: 20838

| Height | Eavg FC, Emax FC | Angle: 92.74deg | Diameter |
|--------|------------------|-----------------|----------|
| 3.3ft | 412.8, 1032.3 | | 96.7in |
| 6.6ft | 103.2, 258.1 | | 193.4in |
| 9.8ft | 45.9, 114.7 | | 290.1in |
| 13.1ft | 25.8, 64.5 | | 386.8in |
| 16.4ft | 16.5, 41.3 | | 483.5in |
| 19.7ft | 11.5, 28.7 | | 580.2in |
| 23.0ft | 8.4, 21.1 | | 676.9in |
| 26.2ft | 6.5, 16.1 | | 773.6in |
| 29.5ft | 5.1, 12.7 | | 870.3in |
| 32.8ft | 4.1, 10.3 | | 967.0in |

### 240W Model – 4000K Configuration

Flux Out: 29151

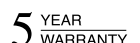| Height | Eavg FC, Emax FC | Angle: 92.74deg | Diameter |
|--------|------------------|-----------------|----------|
| 3.3ft | 784.5, 1479.1 | | 82.1in |
| 6.6ft | 196.1, 369.8 | | 164.1in |
| 9.8ft | 87.2, 164.3 | | 246.2in |
| 13.1ft | 49.0, 92.4 | | 328.2in |
| 16.4ft | 31.4, 59.2 | | 410.3in |
| 19.7ft | 21.8, 41.1 | | 492.4in |
| 23.0ft | 16.0, 30.2 | | 574.4in |
| 26.2ft | 12.3, 23.1 | | 656.5in |
| 29.5ft | 9.7, 18.3 | | 738.6in |
| 32.8ft | 7.8, 14.8 | | 820.6in |

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different heights. Illumination values measured in footcandles.
1.  Average output at a specified height relative to total output within ± 10% depending on device configuration
2.  Max output at specified height relative to total output within ± 10% depending on device configuration
3.  Diameter of beam spread ± 15in depending on device configuration

Specifications and dimensions subject to change without notice.
For the most up-to-date specs and warranty information, please visit www.tcpi.com

**TCP®**
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# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 30 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

| | |
|---|---|
| Sales: | Catalog Number: |
| Date: | Type: |
| Model: | Notes: |
| Project: | |
| Rep: | **TCP** we know light.™ |