

Project Name:	Part Number:	Type:
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# PREMIUM HIGH BAY TENNIS COURT INDUSTRIAL



407-478-3759  
www.ilp-inc.com

## FEATURES

- Premium efficiency delivers maximum savings
- Aluminum body with steel channel for added rigidity
- Inverted mounting for indirect distribution
- Tool-less hinged bottom ballast access door
- High gloss polyester white paint
- Riveted construction and vented ballast channel
- Polycarbonate Lens (std.)
- V-Clips for Dual Point Chain or Cable Hanging (std.)
- Multiple dimming & sensor options to fully control occ. & unocc. light levels
- 0-10V dimming driver (100% - 5%)
- ETL Damp Location Rated
- 5 Year Warranty



## SUITABLE APPLICATIONS

- Tennis Courts
- Distribution Centers
- Manufacturing Plants
- Gymnasiums
- Warehouses

LED SYSTEMS INFO	495 W	660 W
Calculated L <sub>70</sub> (TM-21)	>100K	>100K
Delivered Lumens	65,582 lm	91,317 lm
Total Input Watts	494 W	667 W
Luminaire Efficacy Rating (LER)	133 lm/W	137 lm/W
Correlated Color Temperature (CCT)	5000K	5000K
Color Rendering Index (CRI)	>80	>80
Range Ambient Temperature	-40°F - 115°F	-40°F - 115°F
LED System data above based on PHB-495WLED-UNIV-50-PCL-TC & PHB-660WLED-UNIV-50-PCL-TC. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient.		

## ORDERING GUIDE:

Series	Watts	Driver	CCT		Options	
PHB Premium High Bay	495WLED 660WLED	UNIV 120-277 V	50 40 35 30	TC Tennis Count Inverted	PCL	Polycarbonate Lens
					TC	Tennis Count Inverted
					Cx/3W	3-wire cord standard fixtures (xFT = Length; x=6,10,15,20)
					Cx/4W	4-wire cord for EM fixtures (xFT = Length; x=6,10,15,20)
					Cx/5W	5-wire cord for non EM fixtures with external dim control (xFT = Length; x=6,10,15,20)
					Cx/6W	6-wire cord for EM fixtures with external dim control (xFT = Length; x=6,10,15,20)
					DIM	Leads Attached to Driver
					USBD <sup>2</sup>	User Select Bi-Level Dim On/Off Sensor
					BDxx <sup>2</sup>	Preset Bi-Level Dim Sensor (xx=%eg.20,30)
					BDxxPC <sup>2</sup>	Preset Bi-level Dim Sensor w/ Photocell
					DHPC <sup>2</sup>	Daylight Harvesting with Motion & Photocell
					FIOS <sup>2</sup>	On/Off Occupancy Sensor Installed
					FIOSPC <sup>2</sup>	On/Off Occupancy Sensor w/ Photocell
					FIOSPC/DLH <sup>2</sup>	On/Off Occupancy Sensor w/ Daylight Harvesting
					ESMC/HB <sup>2,5</sup>	EasySense High Bay Control
					WC	11GA Wire Cage
					SMZBKIT	Surface Mount Bracket Kit
					FMB	Fixture Mounting Bracket
					HOOK	Cast Iron, Single Point Mount
					HUB ¾	Conduit Hub ¾" for Pendant Mounts Only
					ACxY	Adjustable Y-Toggle aircraft cable set (x = 5' or 10')
					EM/5 <sup>5</sup>	5W LED Factory Installed Battery Backup
					EM5/HE <sup>5</sup>	5W LED Factory Installed Battery Backup - CEC Title 20 Compliant
					EM/7 <sup>5</sup>	7W LED Factory Installed Battery Backup
					EM7/HE <sup>5</sup>	7W LED Factory Installed Battery Backup - CEC Title 20 Compliant
					EM10 <sup>5</sup>	10W LED Factory Installed Battery Backup
					EM10/HE <sup>5</sup>	10W LED Factory Installed Battery Backup - CEC Title 20 Compliant
					EM10/HE/SD <sup>5</sup>	10W LED Battery Backup - CEC Title 20 Compliant - Self Diagnostic
					EM/12 <sup>5</sup>	12W LED Factory Installed Battery Backup
					EM/20 <sup>1,2,6</sup>	20W LED Factory Installed Battery Backup - CEC Title 20 Compliant
					SD480	480V Step Down Transformer
					SD347	347V Step Down Transformer

<sup>1</sup> Cannot be used with FMB, HUB or HOOK

<sup>2</sup> Externally mounted to fixture

<sup>3</sup> Sensor mounted off end cap of fixture

<sup>4</sup> Requires Bluetooth Compatible Device for additional programming (provided by others)

<sup>5</sup> Reduces Max Ambient of Luminaire 5°F

<sup>6</sup>

<sup>7</sup>

<sup>8</sup>

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## CONTROLS OPTIONS

### BASIC

#### FIOS

Standard on/off motion sensor. Comes with 360 degree high bay lens, 360 degree low bay lens & aisle lens. 360 degree high bay lens factory installed, unless notified otherwise. Sensor mounted off end cap of fixture. Inquire for mounting on center of driver cover.

#### FIOSPC

Motion sensor with the addition of photocell control. When installed, fixture will not activate unless 1. motion is detected and 2. light levels are below the preset level. When activated, fixture will turn on to 100% light output & will only shut off when one of the two levels mentioned above are met. If no motion is detected & light levels fall below preset level the fixture remains off. Sensor mounted off end cap of fixture.

#### FIOSPC/DLH

Factory installed motion sensor with the addition of photocell control that will allow for daylight harvesting. When installed, fixture will not activate unless 1. motion is detected & 2. light levels are below the preset level. When activated, fixture will turn on only enough to meet the preset light levels and will adjust as the amount of light in the space adjusts between 100%-10%. If light levels are adequate the fixture will remain off. Sensor mounted off end cap of fixture.

#### DHPC

Daylight Harvesting off photocell. Fixtures will continually dim up/down throughout the day based on light level readings taken from the photocell control. Sensor mounted off end cap of fixture.

#### USBD

User Selectable Bi-Level Dimming. Allows the end user to manually select the unoccupied dimming level. Once motion is detected, the fixture will return to 100% light output. Sensor mounted off end cap of fixture.

#### BDxx

Factory set Bi-Level Dimming. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied. Example: BD20 sets the fixture to dim down to 20% lumen output when the area is unoccupied. Once motion is detected, the fixture will return to 100% light output. Sensor mounted off end cap of fixture.

#### BDxxPC

Factory set Bi-Level Dimming with motion and photocell. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied and will not return to 100% light output unless 1. motion is detected and 2. the light level is below the preset level. Example: BD20PC sets the fixture to dim down to 20% lumen output when the area is unoccupied and will not return to 100% light output unless the above conditions are met for both motion and light level readings. Sensor mounted off end cap of fixture.

### ADVANCED

#### Philips ESMC/HB

EasySense sensor combines occupancy sensing, daylight harvesting and institutional tuning in one compact solution. This is an ideal control for any high bay application. Each device allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time & occupancy time out/hold time. Easily Controlled via Mobile Phone with Philips MasterConnect Bluetooth App. (Sold separately). Sensor mounted off end cap of fixture.

## MOUNTING OPTIONS

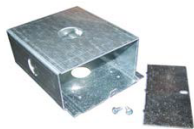
- **V-Clips (std)** - For dual point chain or cable hanging
- **SMBKIT** - Surface Mount V-Clip Brackets with 2" space above fixture
- **FMB** - Fixture Mounting Box - Includes rigid box to attach to the fixture, provides for single point mounting to accept a pendant, hook or conduit hub (sold separately).
- **HUB ¾ CONDUIT** - Conduit Hub ¾"
- **HOOK** - Cast iron hook for single point mount
- **ACxY** - Adjustable Y-Toggle aircraft cable set (x = 5' or 10')



V-Clips (std.)



SMBKIT



FMB



HUB ¾ CONDUIT



HOOK



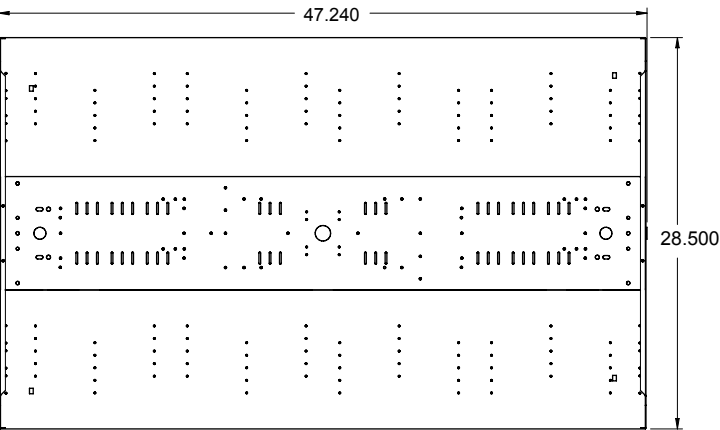
ACxY

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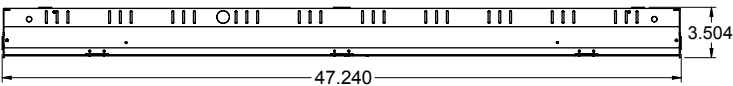
## INDUSTRIAL

### LINE DRAWINGS

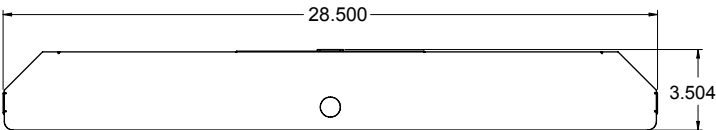
495W : Top View



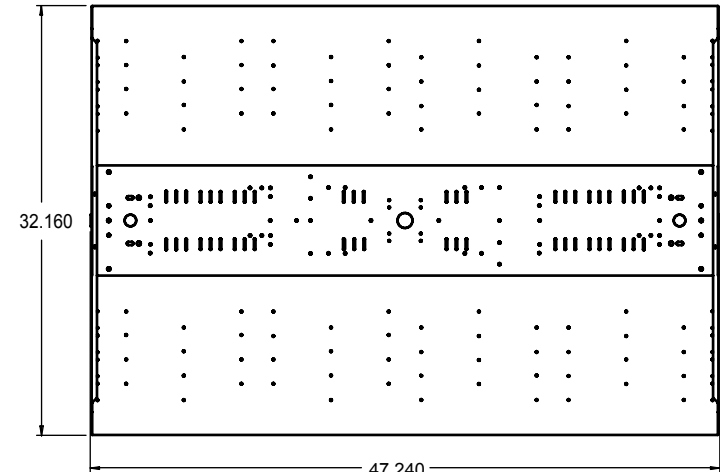
Side View



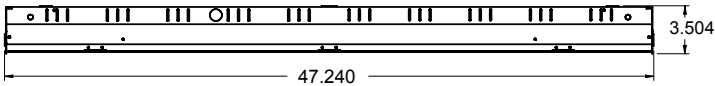
End View



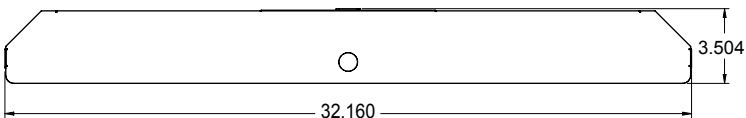
660W : Top View



Side View



End View



### PHOTOMETRIC REPORTS

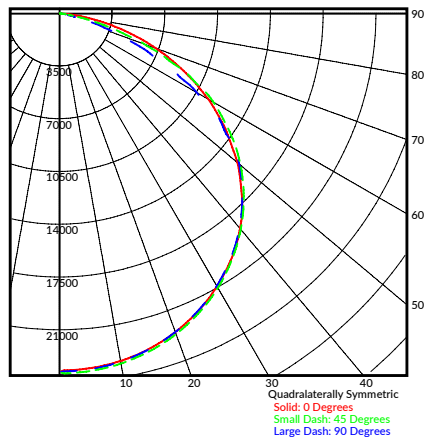
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)

#### PHB-495WLED-UNIV-50-PCL-TC

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0- Deg):	1.31
SPACING CRITERION (90- Deg):	1.30
LUMENS/LAMP:	69738.69
INPUT WATTS:	498.1

##### PLANE AND CONE DIAGRAM



PHB-TC-SPEC-0424

#### PHB-660WLED-UNIV-50-PCL-TC

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0- Deg):	1.33
SPACING CRITERION (90- Deg):	1.31
LUMENS/LAMP:	90183.16
INPUT WATTS:	669.8

##### PLANE AND CONE DIAGRAM

