Project Name:	Part Number:	Type:

VAPOR TIGHT HIGH BAY RETROFIT KIT

HIGH BAY

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

FEATURES

- Easy Upgrade to LED
- Installs In Less Than 5 Mins.
- Reduce Power Consumption By 50%
- Durable Aluminum 1 Piece Kit
- Universal Voltage Driver
- Clear Acrylic, Frosted Acrylic, Or Polycarbonate Lens Options
- 5 Year Warranty
- ETL Listed
- DesignLights Consortium® Premium Qualified Luminaire

SUITABLE APPLICATIONS

- ILP Blizzard Series
- Lithonia FHE Series
- Cooper VT4 Series
- Columbia XEW4 Series
- Philips DayBrite CFI Series

REPLACES

3T5HO/4T8, 4T5HO/6T8, 6T5HO

LED SYSTEMS INFO

LED SYSTEMS INFO	80W	80W FRAL	120W	120W FRAL	160W	160W FRAL
Calculated L_{70} (TM-21)	>100K	>100K	>100K	>100K	>100K	>100K
Delivered Lumens	12,884 lm	12,652 lm	17,410 lm	17,028 lm	24,426 lm	23,930 lm
Total Input Watts	84 W	84 W	116 W	117 W	160 W	160 W
Luminaire Efficacy Rating (LER)	154 lm/W	151 lm/W	150 lm/W	146 lm/W	152 lm/W	150 lm/W
Correlated Color Temperature (CCT)	5000K	5000K	5000K	5000K	5000K	5000K
Color Rendering Index (CRI)	>80	>80	>80	>80	>80	>80
Ambient Temperature Range	-40˚F-130˚F	-40˚F-130˚F	-40˚F-130˚F	-40˚F-130˚F	-40˚F-125˚F	-40˚F-125˚F
Universal Driver	120-277 V	120-277 V	120-277 V	120-277 V	120-277 V	120-277 V

LED System data above based on BLR-80WLED-UNIV-50, BLR-80WLED-UNIV-50-FRAL, BLR-120WLED-UNIV-50, BLR-120WLED-UNIV-50-FRAL, BLR-160WLED-UNIV-50, & BLR-160WLED-UNIV-50-FRAL
LED Lumen maintenance estimates based on TM-21 projections for the light source at 25˚C ambient.

ORDERING GUIDE:

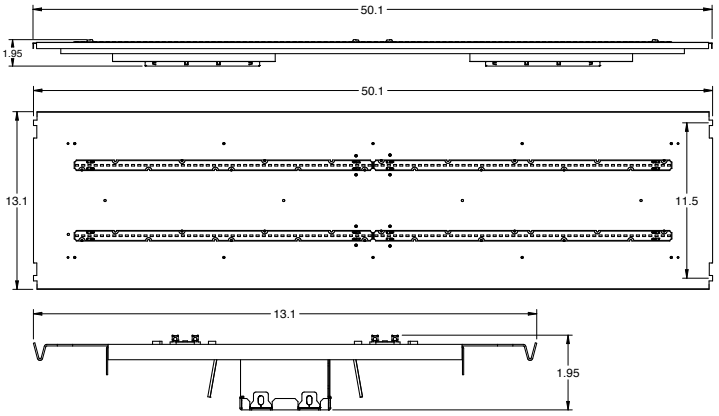
Series	Watts	Driver	Color	Options
☐ **BLR** High Bay Retrofit	☐ **80WLED**	☐ **UNIV** 120-277V Driver	☐ **50**	☐ **CAL** Clear Acrylic Lens
	☐ **120WLED**	☐ **HV*** 347-480V Driver	☐ **40**	☐ **FRAL** Frosted Acrylic Lens
	☐ **160WLED**		☐ **35**	☐ **PCL*** Clear Polycarbonate Lens .125"
			☐ **30**	☐ **WLOS** Wet Location Sensor
				☐ **USBD** User Select Bi-level Dim w/ Occ. Sensor
				☐ **BDxx** Preset Bi-level Dim Sensor (xx=% eg. 20,30)
				☐ **BDxxPC** Preset Bi-level Dim Sensor w/ Photocell
				☐ **FI/ILBCP05** 5W LED Factory Installed Battery Backup
				☐ **FI/ILBCP07** 7W LED Factory Installed Battery Backup
				☐ **FI/ILBCP10** 10W LED Factory Installed Battery Backup
				☐ **FI/ILBCP12** 12W LED Factory Installed Battery Backup
				☐ **LEDBBCT** -4˚F Cold Temperature Battery Backup

* Does Not Qualify for DLC

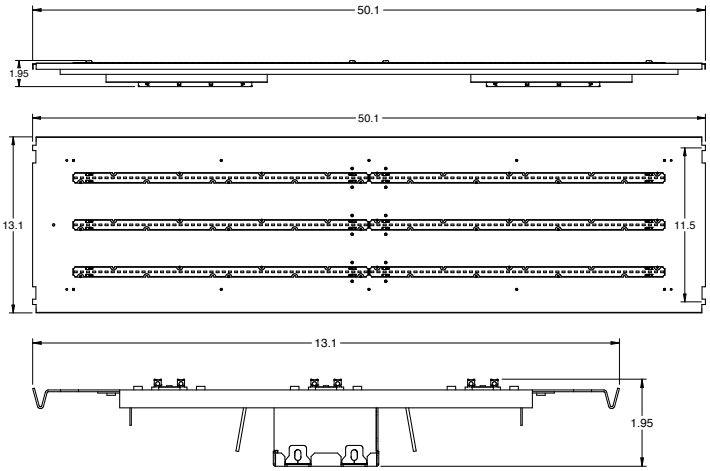
VAPOR TIGHT HIGH BAY RETROFIT KIT

HIGH BAY

LINE DRAWINGS

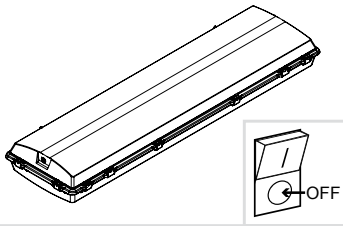


80W & 120W

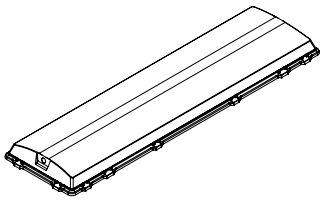


160W

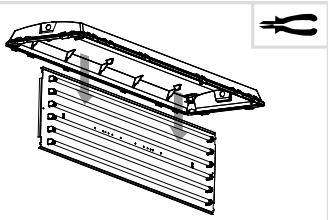
INSTALLATION INSTRUCTIONS



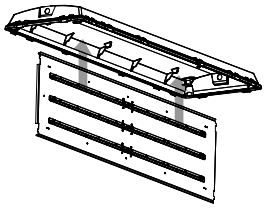
1 Shut off or disconnect power to fixture.



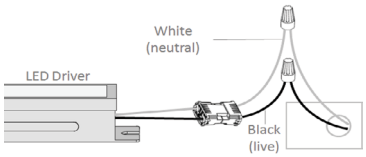
2 Unhinge latches and remove the lens.



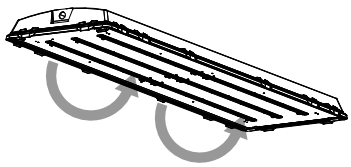
3 Disconnect ballast and remove gear tray from fixture.



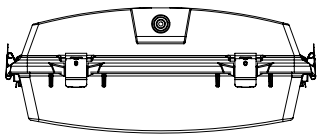
4 Clip in Vapor Tight Retrofit Kit to two of the retainer clips.



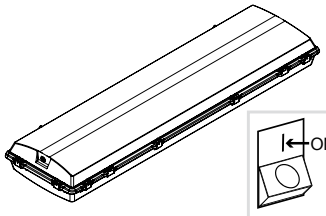
5 Connect the Retrofit Kit to AC power and ground.



6 Rotate Vapor Tight Retrofit Kit up into the two remaining retainer clips.



7 Reattach the lens to the fixture.



8 Turn on or reconnect power to the fixture to complete the installation.

VAPOR TIGHT HIGH BAY RETROFIT KIT

HIGH BAY

PHOTOMETRIC REPORTS

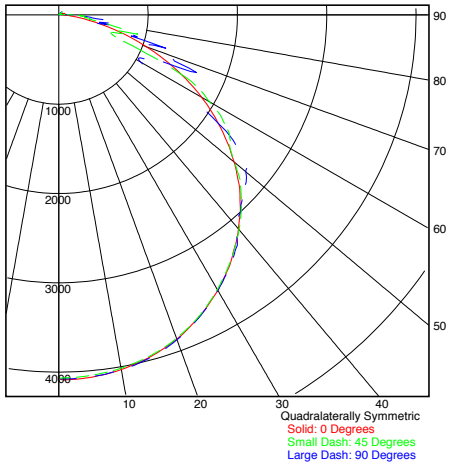
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

BLR-80WLED-UNIV-50

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	98.8 %
EFFICIENCY (Uplight):	1.2 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.30
SPACING CRITERION (90-Deg.):	1.30
LUMENS:	12621.06
INPUT WATTS:	83.6

PLANE AND CONE DIAGRAM

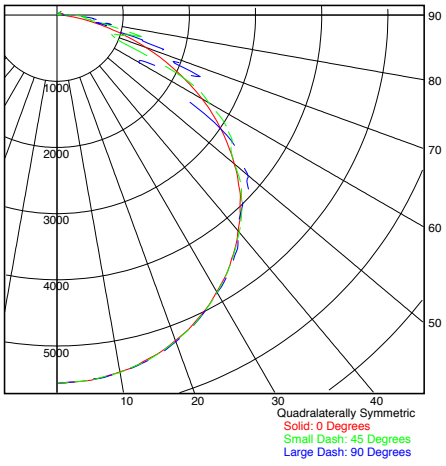


BLR-120WLED-UNIV-50

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	98.8 %
EFFICIENCY (Uplight):	1.2 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.29
SPACING CRITERION (90-Deg.):	1.30
LUMENS:	16504.36
INPUT WATTS:	116.5

PLANE AND CONE DIAGRAM

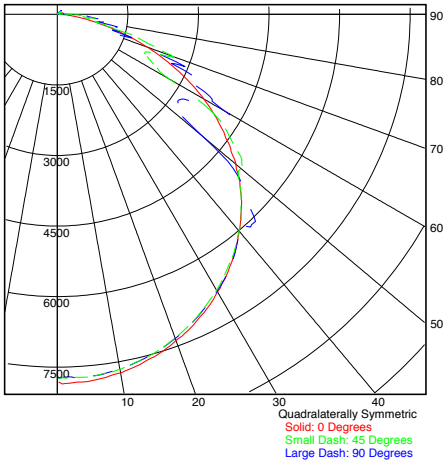


BLR-160WLED-UNIV-50

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	98.8 %
EFFICIENCY (Uplight):	1.2 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.30
SPACING CRITERION (90-Deg.):	1.30
LUMENS:	23107.21
INPUT WATTS:	160.29

PLANE AND CONE DIAGRAM

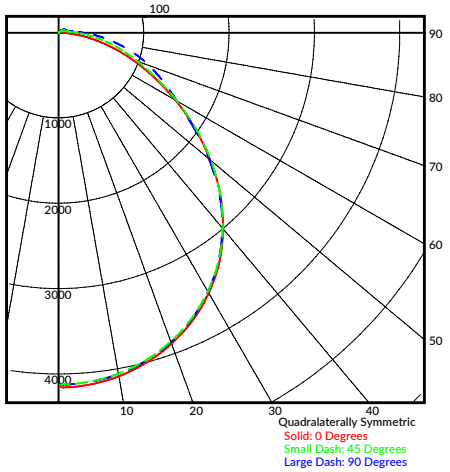


BLR-80WLED-UNIV-50-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	96.9 %
EFFICIENCY (Uplight):	3.1 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.26
SPACING CRITERION (90-Deg.):	1.26
LUMENS:	11974.19
INPUT WATTS:	83.55

PLANE AND CONE DIAGRAM

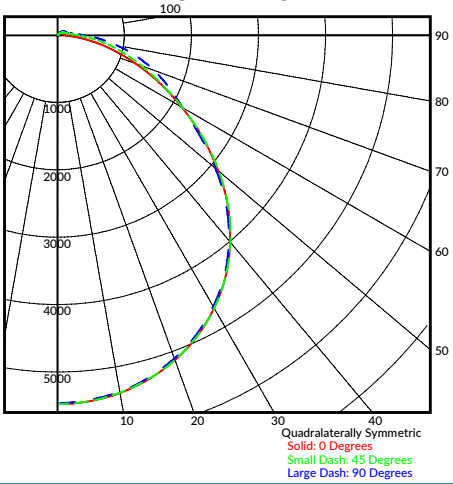


BLR-120WLED-UNIV-50-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	96.5 %
EFFICIENCY (Uplight):	3.5 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.27
SPACING CRITERION (90-Deg.):	1.26
LUMENS:	16112.42
INPUT WATTS:	116.57

PLANE AND CONE DIAGRAM



BLR-160WLED-UNIV-50-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	96.5 %
EFFICIENCY (Uplight):	3.5 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.26
SPACING CRITERION (90-Deg.):	1.26
LUMENS:	22646.54
INPUT WATTS:	160.13

PLANE AND CONE DIAGRAM