

Project Name:	Part Number:	Type:
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BLIZZARD SERIES

VAPOR TIGHT HIGH BAY



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

FEATURES

- 4ft Vapor Tight High Bay
- Max ambient temperature up to 130°F (select models)
- Clear Acrylic Lens (CAL), Frosted Acrylic (FRAL), Polycarbonate Lens (PCL) or Polycarbonate Frosted Lens (F/PCL) available
- V-Hooks for chain or cable hanging (std.)
- Optional Rigid Mounting Beam (RMBSS) allows for secure ceiling mount/dual pendant mount
- Marine grade 316 stainless steel latches (std.)
- 120-277V 0-10V Dimming Driver Standard
- 5 Year Warranty
- ETL Listed for Wet Location
- Fiberglass body attributes:
 - IP65, IP66, IP67 (Dust tight, low/high pressure water jets and immerse 1M)
 - NEMA4X, NSF Listed & 5VA Flame Rating
- DesignLights Consortium® Premium Qualified Luminaire



SUITABLE APPLICATIONS

- Coolers / Freezers
- Distribution Centers
- Commercial or Industrial Buildings
- Food Preparation
- Saw Mills
- Warehouse

LED SYSTEMS INFO	CAL	FRAL	CAL	FRAL	CAL	FRAL	CAL	FRAL	CAL	FRAL
Calculated L ₇₀ (TM-21) Hours	>100K	>100K	>100K	>100K	>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	30,729 lm	30,060 lm		
Total Input Watts	84 W	84 W	116 W	117 W	160 W	160 W	205 W	205 W		
Luminaire Efficacy Rating (LER)	154 lm/W	151 lm/W	150 lm/W	146 lm/W	152 lm/W	150 lm/W	150 lm/W	146 lm/W		
Correlated Color Temp (CCT)	5000K	5000K	5000K	5000K	5000K	5000K	5000K	5000K		
Color Rendering Index (CRI)	>80	>80	>80	>80	>80	>80	>80	>80		
Maximum Ambient Temperature	-40°F-130°F	-40°F-130°F	-40°F-130°F	-40°F-130°F	-40°F-125°F	-40°F-125°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	120-277 V	120-277 V		

LED System data above based on BL-80WLED-UNIV-50-CAL, BL-80WLED-UNIV-50-FRAL, BL-120WLED-UNIV-50-CAL, BL-120WLED-UNIV-50-FRAL, BL-160WLED-UNIV-50-CAL, & BL-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
BL Blizzard	80WLED 120WLED 160WLED	UNIV 120-277V Driver	50 40 35 30	CAL FRAL PCL ¹ F/PCL ¹ CORDWx CORD/6FT/5WIRE/600V WLOS ² WLOSPC ² USBD ² BDxx ² BDxxPC ² SMB KIT BL BL-RMBSS ³ RCMBKSS-BL ⁴ BLEXT-RMBSS ³ RCMBKSS-BLEXT ⁴ HUB 1/2 HUB 3/4 HB-XX-18Y-PAD FI/ILBCP05 ⁵ FI/ILBCP07 ⁵ FI/ILBCP10 ⁵ FI/ILBCP12 ⁵ SD480* SD347*
BLEXT Blizzard EXT	205WLED			Clear Acrylic Lens Frosted Acrylic Lens Polycarbonate Lens Frosted Polycarbonate Lens Wet Location Strain Relief Cord (x = ft) 6ft 5 wire cord w/ 3 leads attached to power & 2 leads attached to dimming Wet Location On/Off Sensor Installed Wet Location On/Off Sensor w/ Photocell User Select Bi-level Dimming Occ. Sensor Preset Bi-Level Dim Sensor (xx=%eg.20,30) Preset Bi-level Dim Sensor w/ Photocell (xx=%eg.20,30) BL Surface Mount V-Clip Brackets BL Rigid Mounting Beam for Surface Mounting BL Rigid Mount Single Point Bracket used in conjunction w/ RMBSS BLEXT Rigid Mounting Beam for Surface Mounting BLEXT Rigid Mount Single Point Bracket used in conjunction w/ RMBSS Conduit Hub 1/2" For Dual Pendant Mount Only (Use w/ RMBSS) Conduit Hub 3/4" For Dual Pendant Mount Only (Use w/ RCMBKSS) Y-Toggle Cable System (xx = in) 5W LED Factory Installed Battery Backup 7W LED Factory Installed Battery Backup 10W LED Factory Installed Battery Backup 12W LED Factory Installed Battery Backup 480V Step Down Transformer 347V Step Down Transformer

¹Does not qualify for DLC

²Does not qualify for NSF Standards

³Use with (2) HUB 1/2" for Dual Point Mounting

⁴Use with HUB 3/4

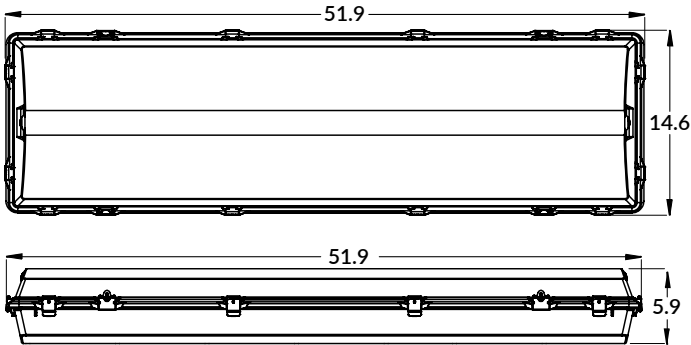
⁵Operating temp down to 32°F

BLIZZARD SERIES

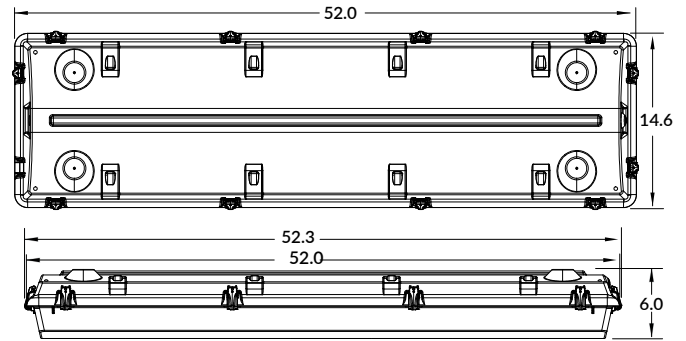
VAPOR TIGHT HIGH BAY

LINE DRAWING

BL-80W, 120W, 160W



BLEXT-205W



MOUNTING OPTIONS

- **V-Hooks** - For dual point chain or cable hanging (std.)
- **HB-xx-18Y-PAD** - Y-Paddle Cable System (xx=in)
- **BL-RMBSS** - BL Rigid Mounting Beam allows for:
 - Secure Ceiling Mount
 - Dual Pendant Mount ($\frac{1}{2}$ " Conduit Hubs required, sold separately)
- **BL-RCMBKSS** - BL Stainless Steel Rigid Center Mount Bracket for Single Point Mounting only. (Must be used BL-RMBSS and $\frac{3}{4}$ " Conduit Hub)
- **SMB KIT BL** - BL Surface mount V-clips brackets
- **BLEXT-RMBSS** - BLEXT Rigid Mounting Beam allows for:
 - Secure Ceiling Mount
 - Dual Pendant Mount ($\frac{1}{2}$ " Conduit Hubs required, sold separately)
- **BLEXT-RCMBKSS** - BLEXT Stainless Steel Rigid Center Mount Bracket for Single Point Mounting only. (Must be used BLEXT-RMBSS and $\frac{3}{4}$ " Conduit Hub)
- **HUB 1/2** - $\frac{1}{2}$ " Conduit Hub for dual pendant mounting (Requires RMBSS)
- **HUB 3/4** - $\frac{3}{4}$ " Conduit Hub for single pendant mounting (Requires RCMBKSS)



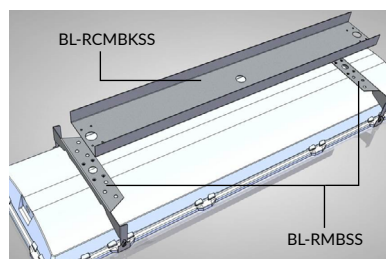
V-Hooks (std.)



HB-xx-18Y-PAD



BL-RMBSS



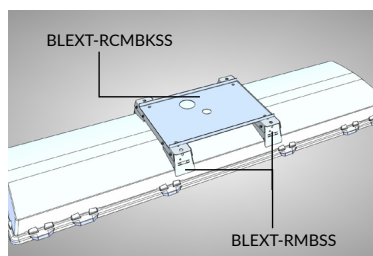
BL-RCMBKSS



SMB KIT BL



BLEXT-RMBSS



BLEXT-RCMBKSS



HUB 1/2 / 3/4

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VAPOR TIGHT HIGH BAY

PHOTOMETRIC REPORTS

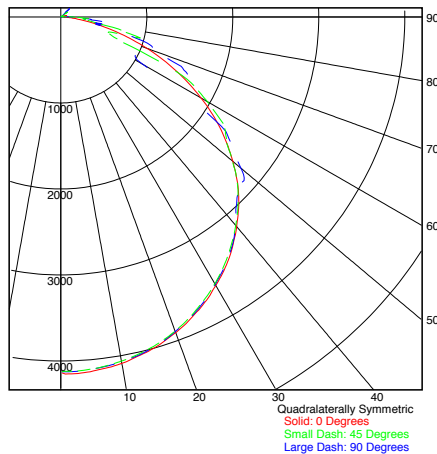
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

BL-80WLED-UNIV-50-CAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	98.8%
EFFICIENCY (Uplight):	1.1%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.30
SPACING CRITERION (90-Deg.):	1.29
LUMENS/LAMP:	12190.79
INPUT WATTS:	83.6

PLANE AND CONE DIAGRAM

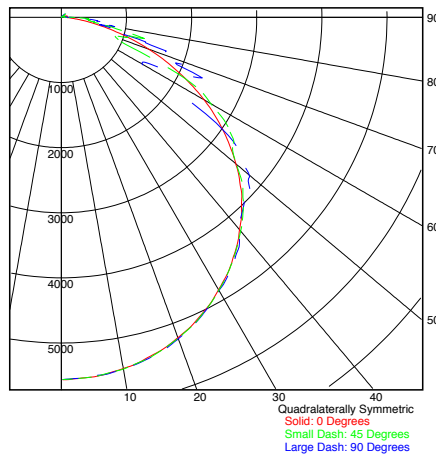


BL-120WLED-UNIV-50-CAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	98.8%
EFFICIENCY (Uplight):	1.2%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.29
SPACING CRITERION (90-Deg.):	1.30
LUMENS/LAMP:	16504.36
INPUT WATTS:	116.5

PLANE AND CONE DIAGRAM

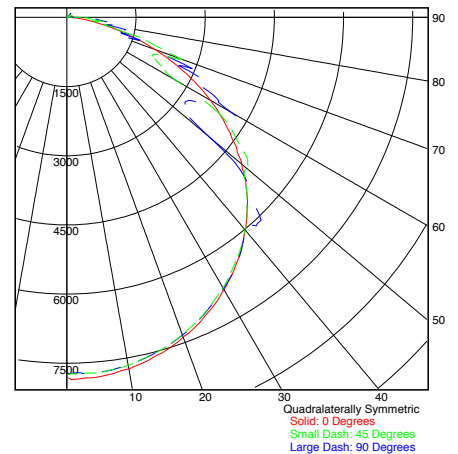


BL-160WLED-UNIV-50-CAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	98.8%
EFFICIENCY (Uplight):	1.2%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.30
SPACING CRITERION (90-Deg.):	1.30
LUMENS/LAMP:	23107.21
INPUT WATTS:	160.2

PLANE AND CONE DIAGRAM

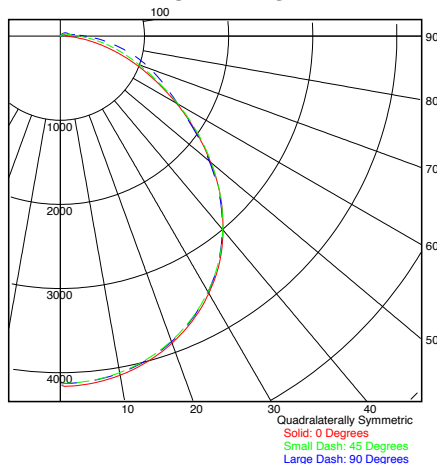


BL-80WLED-UNIV-50-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	96.9%
EFFICIENCY (Uplight):	3.1%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.26
SPACING CRITERION (90-Deg.):	1.26
LUMENS/LAMP:	11974.19
INPUT WATTS:	83.6

PLANE AND CONE DIAGRAM

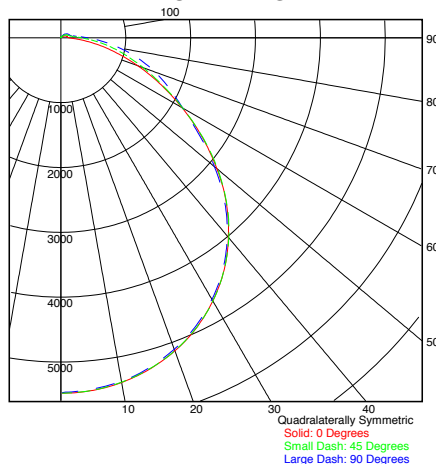


BL-120WLED-UNIV-50-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	96.5%
EFFICIENCY (Uplight):	3.5%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.27
SPACING CRITERION (90-Deg.):	1.26
LUMENS/LAMP:	16112.42
INPUT WATTS:	116.5

PLANE AND CONE DIAGRAM

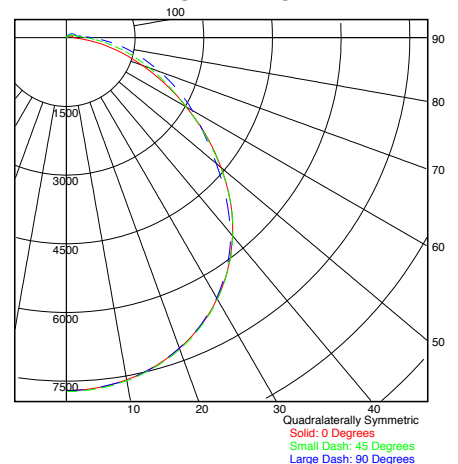


BL-160WLED-UNIV-50-FRAL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	96.5%
EFFICIENCY (Uplight):	3.5%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.29
SPACING CRITERION (90-Deg.):	1.29
LUMENS/LAMP:	22646.54
INPUT WATTS:	160.1

PLANE AND CONE DIAGRAM



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PHOTOMETRIC REPORTS

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

