



2' High Lumen shown

**FEATURES**

- Highly efficient LEDs provide up to 101 lumens per watt at 70 CRI
- Long-life, 60,000 hour LEDs at L90 reduce life cycle maintenance costs
- 2' size provides nominal lumen packages from 12,000 to 27,000
- 3' size provides nominal lumen packages from 37,850 to 42,100
- Three distribution selections: aisle, medium, and wide
- Operates in ambient temperatures from 55°C/131°F down to -40°C/-40°F (0°C/32°F with Occupancy Sensor)
- Individual optics for each LED allow for precise control of light distribution
- Extruded aluminum housing acts as heat sink; downward sloping fins minimize debris buildup
- Fixed output or 0-10V dimming available
- Available with 480V or 347V dedicated driver
- Product designed for quick and easy suspension mounting with aircraft cabling
- CSA listed and suitable for damp locations
- Meets the most restrictive lighting power density codes

**PROJECT INFORMATION**

Project Name \_\_\_\_\_

Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

**CONSTRUCTION**

The LLHP design is based on a one-piece aluminum extrusion that serves as heat sink for the LEDs. Wireway and end caps are heavy gauge, corrosion-resistant galvanneal steel. The top mounted wireway is spaced off the heat sink allowing air flow to carry away heat. Dual 7/8" KO's are located on the top of the wireway. The aluminum fin design creates heat-sink surface area. Downward sloping fins minimize debris buildup.

**INSTALLATION**

The wireway is fitted with two top mounted and two end mounted 7/8" KO's for ease of electrical access. The fixture is fitted with four mounting holes designed for suspension mounting options such as aircraft cabling. Customer supplied mounting hardware must be load rated at 100lbs. per point.

**OPTICS**

LLHP uses individual specialized optics for each LED designed to provide precise control of light from the point source to the work plane. Three distribution choices—narrow, medium, or wide—ensure that each LED operates optimally and distributes the light where it's needed, whether for aisles or open areas.

**CERTIFICATION**

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate CSA labels. Damp location labeling is standard.

**WARRANTY**

Five year warranty (Terms and Conditions apply).

**FINISH**

The housing, wireway, and end caps are standard in matte grey polyester powder coat paint after fabrication applied with a five-stage adhesion process for maximum durability.

**ORDERING INFORMATION**

EXAMPLE LLHP2-50L-A-EU

**LLHP**

MODEL	COLOR TEMP	DISTRIBUTION	DRIVER	VOLTAGE	OPTIONS
LLHP LED Linear High Bay	30 3000K 40 4000K 50 5000K	A Aisle M Medium W Wide	E Fixed Output ED 0-10V Dimming	U 120V-277V 120 120V 277 277V 347 347V 480 480V	F3C5 3-Conductor Cord 5' F3C10 3-Conductor Cord 10' F3C15 3-Conductor Cord 15' C6TL15 6' Cord and Twist-Lock Plug 15A (Add Volt 1=120, 2=277) CP6TL20 6' Cord and Twist-Lock Plug 20A (Add Volt 1=120, 2=277) WG Wire Guard (factory installed) OS1 Occupancy Sensor 120-277 Single Relay
SIZE	LUMEN OUTPUT				
2 2'	L Low Lumen (2' size)				
3 3'	H High Lumen (2' size) VL Very High Lumen (3' size)				

**ACCESSORIES (ORDER SEPARATELY)**

CP6TL15	6' Cord and Twist-Lock Plug 15A (Add Volt 1=120, 2=277)
CP6TL20	6' Cord and Twist-Lock Plug 20A (Add Volt 1=120, 2=277)
LHVQM5	Aircraft Cable 5' Pair
LHVQM10	Aircraft Cable 10' Pair
LHVQM15	Aircraft Cable 15' Pair

**PRODUCT AVAILABILITY**

DISTRIBUTION	SIZE	LUMEN PACKAGE	NOMINAL LUMENS	NOMINAL WATTS	EFFICACY
Aisle	2'	L	12,950	143	91
	2'	H	24,850	281	88
	3'	VL	37,850	425	89
Medium	2'	L	14,350	142	101
	2'	H	27,750	281	99
	3'	VL	41,800	425	98
Wide	2'	L	13,900	143	98
	2'	H	27,000	281	97
	3'	VL	42,100	425	99

Lumens vary according to color temperatures and other factors. See specific photometric test(s).

## PHOTOMETRIC DATA

### LUMINAIRE DATA

Luminaire	LLHP2-50-H-M-EDU LLHP Led High Bay, Industrial 11" x 24" LED with medium distribution optics
Ballast	(2) TRC-152Q070DT
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	27,674
Watts	281.20
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 0.99 90° = 0.98
Luminous Opening in Feet	Length: 1.58 Width: .67 Height: 0.00

### ZONAL LUMEN SUMMARY

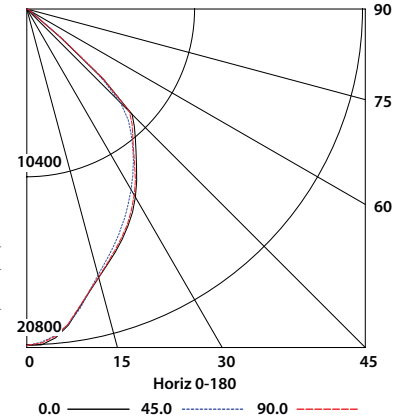
Zone	Lumens	% Lamp	% Fixt.
0-30	13444	48.6	48.6
0-40	20752	75.0	75.0
0-60	27307	98.7	98.7
0-90	27674	100.0	100.0
0-180	27674	100.0	100.0

### ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	98
ANSI/IESNA RP-1-2004 Compliance	NONCOMPLIANT
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.45 based on 3000 hrs. and \$0.08 per KWH

Test 5940 Test Date 10/9/12

### INDOOR CANDELA PLOT



### LUMINAIRE DATA

Luminaire	LLHP2-50-H-W-EDU LLHP Led High Bay, Industrial 11" x 24" LED with wide distribution optics
Ballast	(2) TRC-152Q070DT
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	27,068
Watts	281.00
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.36 90° = 1.36
Luminous Opening in Feet	Length: 1.58 Width: .67 Height: 0.00

### ZONAL LUMEN SUMMARY

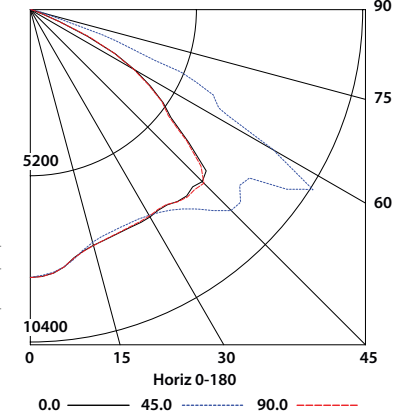
Zone	Lumens	% Lamp	% Fixt.
0-30	6376	23.6	23.6
0-40	11167	41.3	41.3
0-60	23257	85.9	85.9
0-90	27068	100.0	100.0
0-180	27068	100.0	100.0

### ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	98
ANSI/IESNA RP-1-2004 Compliance	NONCOMPLIANT
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.50 based on 3000 hrs. and \$0.08 per KWH

Test 5960 Test Date 10/10/12

### INDOOR CANDELA PLOT



### LUMINAIRE DATA

Luminaire	LLHP3-50-H-A-EDU LLHP Led High Bay, Industrial 11" x 24" LED with aisle distribution optics
Ballast	(2) TRC-152Q070DT
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	24,896
Watts	281.40
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 0.94 90° = 0.60
Luminous Opening in Feet	Length: 1.83 Width: .77 Height: 0.00

### ZONAL LUMEN SUMMARY

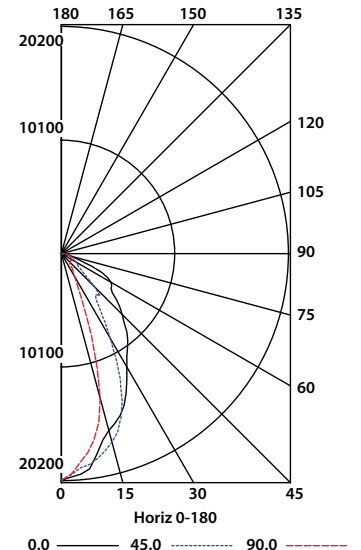
Zone	Lumens	% Lamp	% Fixt.
0-30	11276	45.3	45.3
0-40	15240	61.2	61.2
0-60	20981	84.3	84.3
0-90	24836	99.8	99.8
0-180	24896	100.0	100.0

### ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	88
ANSI/IESNA RP-1-2004 Compliance	NONCOMPLIANT
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.70 based on 3000 hrs. and \$0.08 per KWH

Test 5763 Test Date 9/14/12

### INDOOR CANDELA PLOT



Test 14.00173 Test Date 8/25/14

### LUMINAIRE DATA

Luminaire	LLHP3-50VL-A-EU LLHP Led High Bay, Industrial 11" x 36" led with aisle distribution optics
Ballast	(3) PISE-Z202B
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	37937
Watts	424.60
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 0.52 90° = 0.85
Luminous Opening in Feet	Length: 0.79 Width: 3.00 Height: 0.02

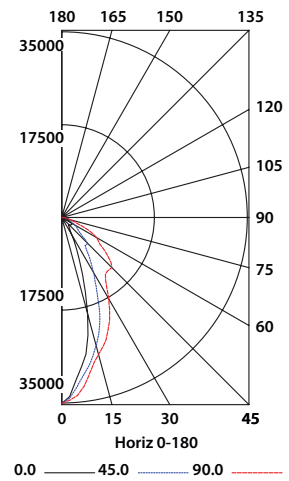
### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	16673	43.9	43.9
0-40	22413	59.1	59.1
0-60	32116	84.7	84.7
0-90	37858	99.8	99.8
0-180	37937	100.0	100.0

### ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	89
ANSI/ESNA RP-1-2004 Compliance	NONCOMPLIANT
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.70 based on 3000 hrs. and \$0.08 per KWH

### INDOOR CANDELA PLOT



### DIMENSIONAL DATA

