UNAMI

MENTORED BY LUMENFOCUS

Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

LED

ULB 4W HD LED Heavy Duty High Bay

Features:

- High performance LED technology
- 0-10V dimming drivers standard on all models
- Field replaceable LED boards and drivers
- Frosted diffusers available to help minimize glare and improve aesthetics
- A wide variety of lumen packages allows for flexibility in design and helps maximize energy savings

Applications:

Suitable for most commercial, industrial and institutional applications

- Gymnasiums
- Recreation Centers
- Manufacturing
- Warehouse
- Cold/Frozen Storage

Ambient Operating Temp:

- -30°C to 40°C

Predicted L70 Lifetime:

- Up to 189,000 hrs (calculated)

(L70 information for specific configurations available upon request)

- For BAA compliant configurations - up to 189,000 hrs (calculated)

Construction:

- Housing is precision brake formed from heavy duty 0.080" aluminum
- Pre-painted with a highly durable, highly reflective white finish

Certifications:

- UL 1598 listed for US and Canada, suitable for damp locations
- DesignLights Consortium qualified on specific configurations (refer to DLC qualified products list for exact model numbers) http://designlights.org/

Warranty:

- 5 year limited system warranty - see www.UnamiLighting.com for complete warranty terms and conditions
- 10 year warranty option available on specific models

(Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)

10 YEAR EXTENDED WARRANTY AVAILABLE ON CERTAIN MODELS

DLC QPL LISTED · DLC QPL LISTED PREMIUM · c UL us · ASSEMBLED in the USA

Powered by: Universal Lighting Technologies

EVERLINE LED Technology

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Unami
880 Facet Rd.
Henderson, NC 27537

Ordering Guide:

example: ULB 4W HI UV FR 850-HDW-PMS ST(18") WG OS

Series	Length	Output	Performance	Voltage	Shielding	CRI/CCT	-	Gauge	-	Hanging	Options
ULB	4W						-	HDW	-		
ULB	4W	LW MD HI VH SH	Blank HE	UV 34 48	Blank FR	835 840 850		HDW		Blank QC QC20 PM PMS ST(x)	Blank EXT10 C6 C10 D6 D10 P(NEMA) OS OSD OS(FSP-221B-Lx) OS(FSP-321B-Lx) OSP PC WG WG(OS) SC F EM2 SDT(480V) CC LVL BAA

Length: 4W 4'

Lumen Output:
- LW Low
- MD Medium
- HI High
- VH Very High *(Not available in HE)*
- SH Super High *(Not available in HE)*

Performance:
- Blank Standard
- HE High Efficiency

Voltage:
- UV 120-277V
- 34 347V
- 48 480V

Shielding:
- Blank None
- FR Frosted Acrylic

CRI/CCT:
- 835 80 CRI / 3500K
- 840 80 CRI / 4000K
- 850 80 CRI / 5000K

Gauge: HDW Heavy Duty 0.080" Aluminum-Wide Body Housing

Hanging:
- Blank None / Surface Mount
- QC 10' Quick Hang Cable Kit
- QC20 20' Quick Hang Cable Kit
- PM Pendant Mount *(2' models only)*
- PMS Pendant Mount with Stabilizer *(4' models only)*
- ST(x) 3/4" Stem (specify length)

Options:
- Blank None
- EXT10 10 yr extended warranty *(Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)*
- C6 6' Single Circuit Cord
- C10 10' Single Circuit Cord
- D6 6' Dual Circuit Cord
- D10 10' Dual Circuit Cord
- P(NEMA) Plug (Specify NEMA configuration)
- OS Occupancy Sensor (on/off)
- OSD Occupancy Sensor (on/off/dim)
- OS(FSP-221B-Lx) Wattstopper Programmable Photo/Motion Multi-voltage Sensor (high/low/off) *("x" = lens type. See Page 4 for lens type descriptions)*
- OS(FSP-321B-Lx) Wattstopper Bluetooth-Enabled Programmable Photo/Motion Multi-voltage Sensor (high/low/off) *("x" = lens type. See Page 4 for lens type descriptions)*
- OSP Occupancy Sensor with Photocell
- PC Photocell
- WG Wire Guard
- WG(OS) Wire Guard for Occupancy Sensor
- SC Safety Cable
- F Fuse
- EM2 Emergency Pack - up to 16W (120-277V / 0°C-50°C ambient)
- SDT(480V) 480V to 277V Step Down Transformer
- CC Conformal Coating
- LVL 0-10V dimming leads for easy field access
- BAA Buy American Act compliant

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ULB 4W HD LED Heavy Duty High Bay
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Schematic:

Performance Chart:

Catalog #	QPL/UL Reference #	Lumens	Watts	LPW
ULB 4W LW HE UV 835	PBL 4W LW HE UV 835	27935	172	162.4
ULB 4W MD HE UV 835	PBL 4W MD HE UV 835	34279	214	160.2
ULB 4W HI HE UV 835	PBL 4W HI HE UV 835	38321	246	155.8
ULB 4W LW UV 835	PBL 4W LW UV 835	29538	189	156.3
ULB 4W MD UV 835	PBL 4W MD UV 835	34628	226	153.2
ULB 4W HI UV 835	PBL 4W HI UV 835	38979	261	149.3
ULB 4W VH UV 835	PBL 4W VH UV 835	50727	337	150.5
ULB 4W SH UV 835	PBL 4W SH UV 835	64345	390	165.1

Catalog #	QPL/UL Reference #	Lumens	Watts	LPW
ULB 4W LW HE UV 840	PBL 4W LW HE UV 840	28710	172	166.9
ULB 4W MD HE UV 840	PBL 4W MD HE UV 840	35230	214	164.6
ULB 4W HI HE UV 840	PBL 4W HI HE UV 840	39384	246	160.1
ULB 4W LW UV 840	PBL 4W LW UV 840	30358	189	160.6
ULB 4W MD UV 840	PBL 4W MD UV 840	35589	226	157.4
ULB 4W HI UV 840	PBL 4W HI UV 840	40061	261	153.4
ULB 4W VH UV 840	PBL 4W VH UV 840	52135	337	154.7
ULB 4W SH UV 840	PBL 4W SH UV 840	66472	390	170.6

Catalog #	QPL/UL Reference #	Lumens	Watts	LPW
ULB 4W LW HE UV 850	PBL 4W LW HE UV 850	29485	172	171.4
ULB 4W MD HE UV 850	PBL 4W MD HE UV 850	36181	214	169.1
ULB 4W HI HE UV 850	PBL 4W HI HE UV 850	40447	246	164.4
ULB 4W LW UV 850	PBL 4W LW UV 850	31178	189	165.1
ULB 4W MD UV 850	PBL 4W MD UV 850	36550	226	161.7
ULB 4W HI UV 850	PBL 4W HI UV 850	41143	261	157.6
ULB 4W VH UV 850	PBL 4W VH UV 850	53543	337	158.9
ULB 4W SH UV 850	PBL 4W SH UV 850	68267	390	175.2

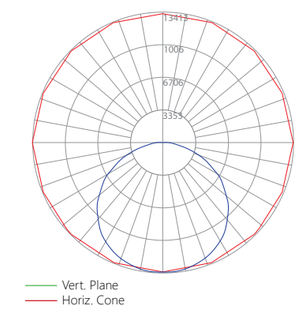
Lumen Adjustment Factors:
FR lens: 0.93
WG: 0.90
FR w/ WG: 0.85

ULB 4W HI UV 835

Test No.: LLIA000621-005
Luminaire Lumens: 38,970 lm
Luminaire Watts: 304.8W
Efficacy: 127.9 LPW
Spacing Criterion (0-180): 1.32
Spacing Criterion (90-270): 1.28

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29902	29118	29079
55	29470	28697	28730
65	27975	27414	25197
75	23601	17693	19047
85	12723	7585	8557



Coefficients Of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC		80				70				50				30		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106		
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74		
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35		
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32		
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26		

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	4871.84	12.50
0-30	10408.51	26.70
0-40	17189.85	44.10
0-60	31004.31	79.60
0-80	38509.13	98.80
0-90	38969.80	100.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
0-180	38969.80	100.00

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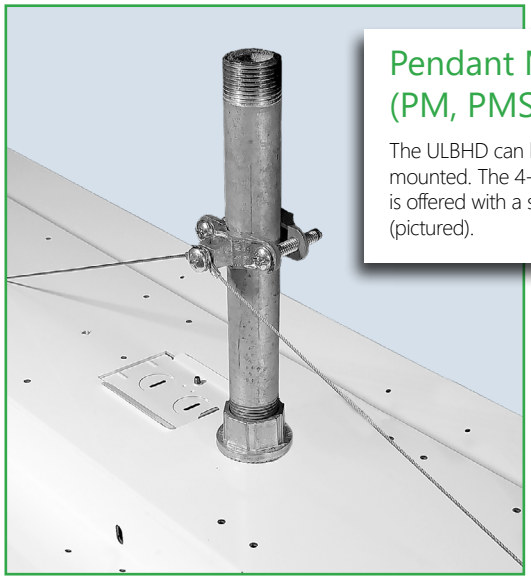
Hanging Options Available:

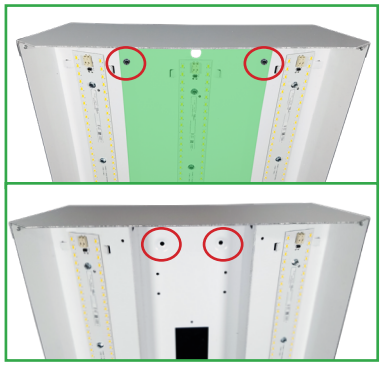


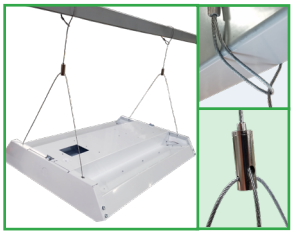
Pendant Mount (PM, PMS)

The ULBHD can be pendant mounted. The 4-foot version is offered with a stabilizer (pictured).

Surface Mount

The ULBHD is designed to be easily mounted to any sturdy surface. Simply remove the hex head screws holdingf the driver cover (top picture, in green) to access the bottom of the housing below. The housing can be mounted to the surface from the four holes in each corner of the channel (bottom picture, circled).



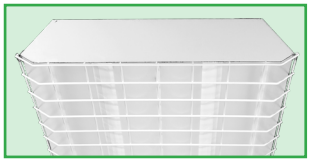


Cable Mount (QC, QC20)

The QC hanging kit from ALP comes in 10' or 20'. Cables are pre-looped for easy installation and designed for easy fixture height adjustment. QCs come boxed with each fixture. A mechanically fastened safety cable (SC) is also optional.

Wireguard and shielding

Add an optional wireguard for added stability and protection - ideal for gymnasiums or other areas where the luminaire may be struck. Optional frosted acrylic diffuser lenses minimize glare and improve aesthetics.



Controls available:

FSIR-100

FSP with L7 lens

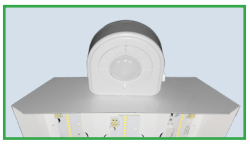
Dimming Sensors OS(FSP-211B/321B)

- The Wattstopper FSP sensor provides multi-level control based on motion and/or daylight contribution
- Comes pre-installed on the end cap
- Rated for cold locations
- Parameters for Bluetooth-enabled FSP-321B adjustable via phone app - iOS or Android
- Parameters for FSP-221B adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Three lenses available, tailored for the ideal detection area and mounting height:
  - **FSP-L2:** 360º lens, maximum coverage 48', diameter from 8' height
  - **FSP-L3:** 360º lens, maximum coverage 40', diameter from 20' height
  - **FSP-L7:** 360º lens, maximum coverage 100', diameter from 40' height

Phone app interface for FSP-321B

On/Off Occupancy Sensors (OS)

An occupancy sensor controls individual fixtures on or off based on occupancy in detection zone. Sensor used: Leviton OSFHU-ITW (pictured), or equivalent.



Occupancy Sensors with Photocell (OSP)

The OSP turns luminaire on or off based on occupancy or available natural light to help maximize energy savings. OSP used: Leviton OSFHP (pictured) or an equivalent.

Advanced Controls Available

We offer robust network control options and IoT compatibility with products from Magnum Energy Solutions and Leviton. If you need a different control system - such as Nedap, Daintree, or another IoT-based system - just contact us. We can incorporate it.

Other Options:

Cords are available in single circuit or dual circuit, 6' or 10'. Standard plug is optional, as are other NEMA configurations if specified.

Conformal coating Grants LED boards added protection from moisture and corrosion in more hazardous environments.

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