



## LWS LED High/Low Bay

Replace HID Aisle Lighting with the LWS LED Aisle Light



LWS Feature	LWS Advantage	Compare to Typical MH HID
Replace 150W to 400W Metal Halide	Significant Energy Savings	60 to 163% more energy is required for each high bay
Efficient long life: 60,000 hours rated, over 100,000 hours projected	Significant reduction of maintenance costs	10,000 to 20,000 hour lamp life means more lamp replacement and higher maintenance cost
Loss of light over time	60,000 hours with 80% lumen maintenance for well-lit aisles for years to come	40 to 60% lumen loss occurs quickly; at less than half the life of the lamp, the light output is greatly reduced
Low energy, solid state technology	Produces less heat in the environment	High Intensity Discharge lamps create heat which adds to air conditioning costs
Aisle optics	Targets light where it is needed and is specifically designed for aisle lighting applications	Most installed HID products lack sophisticated optical systems and rely on a large volume of light rather than carefully directing light where it is required
Instant on	Instant on with no restrike time means LWS can be integrated with occupancy sensors and timers	Metal Halide has a 15 minute delay for re-start, meaning products cannot be connected to occupancy sensors
Controllable	0-10V dimming is optional for additional energy saving strategies	Many existing HID systems are not dimmable; some may be switched to 50% output

# Compare LWS LED to Metal Halide

## LWS-50HL-AC-EDU-OS1360

Watts	Initial Lumens	Hours of Life
110	produces an average of 13,000 maintaining 80% of light over rated life	rated 60,000 projected over 100,000 hours

Arrives on-site with a built in occupancy sensor for additional energy savings.

## LWS-50XL-AC-EDU-OS1360

Watts	Initial Lumens	Hours of Life
163	produces an average of 19,000 maintaining 80% of light over rated life	rated 60,000 projected over 100,000 hours

Arrives on-site with a built in occupancy sensor for additional energy savings.

## 250W MH

Watts	Initial Lumens	Hours of Life
295	produces an average of 10,400 with 40% lumen drop by 8,000 hours	15,000 frequent change-out is required

Typically not used with occupancy sensor due to 15 minute restrike.

## 400W MH

Watts	Initial Lumens	Hours of Life
455	produces an average of 23,400 with 40% lumen drop by 8,000 hours	20,000 frequent change-out is required

Typically not used with occupancy sensor due to 15 minute restrike.

## ORDERING INFORMATION

LWS						
MODEL	COLOR TEMP	LUMEN OUTPUT	DISTRIBUTION	DRIVER	VOLTAGE	OPTIONS
LWS LED Suspended High Bay	30 3000K 35 3500K 40 4000K 50 5000K	ML Medium Lumen HL High Lumen VL Very High Lumen XL Xtra High Lumen See Product Availability Table Below	AC Aisle-Clear Optics AD Aisle-Diffuse Optics W Wide (SFA option recommended with W distribution)	E Fixed Output ED 0-10V Dimming ED1 0-10V Dimming to 1%	U 120V-277V 347 347V 480 480V	C6TL15_ 6' Cord and Twist-Lock™ Plug 15A (Add Voltage: 1=120, 2=277) C6TL20_ 6' Cord and Twist-Lock™ Plug 20A (Add Voltage 1=120, 2=277) C6P151_ 6' Cord and Straight Blade Plug 15A (Add Voltage: 1=120V, 2=277V) F3CX 3-Conductor Cord (add length for X: 5=5', 10=10', 15=15') F4CX 4-Conductor Cord (add length for X: 5=5', 10=10', 15=15') F5CW 5-Conductor Cord (add length for X: 5=5', 10=10', 15=15') ELL14 Emergency Battery Pack Installed, 1400 Lumens <sup>2,3</sup> SFA Smooth Frosted Acrylic Wrap Lens GLR Fast Blow Fuse PM Pendant Mounting Bracket 3/4" (pendant not included) OS1360 Factory Installed Occupancy/Daylight, Sensor, 1-relay, 360° lens 120/277 OS2360 Factory Installed Occupancy/Daylight, Sensor, 2-relay, 360° lens 120/277 OS1A Factory Installed Occupancy/Daylight Sensor, 1-relay, Aisle lens, 120/277 OS2A Factory Installed Occupancy/Daylight Sensor, 2-relay, Aisle lens, 120/277 ODS1360 Factory Installed Dimming Occupancy/Daylight Sensor, 1-relay, 360° lens 120/277 ODS1A Factory Installed Dimming Occupancy/Daylight Sensor, 1-relay, Aisle lens 120/277

## PRODUCT AVAILABILITY

OUTPUT	NOMINAL LUMENS	WATTS	LPW	AMBIENT
ML	9,750-11,115	87	124	55C
HL	11,050-14,540	110	125	40C
VL	13,780-16,910	146	119	40C
XL	15,300-20,400	163	118	40C

<sup>1</sup>ED1 available with ML and HL only

<sup>2</sup>Not available in 347V or 480V

<sup>3</sup>For compatibility with Dual-Lite LiteGear® inverters, contact Hubbell Lighting Representative

For questions about configuration options, contact Hubbell Representative

## ACCESSORIES (ORDER SEPARATELY)

LWSQMS	Aircraft Cable 5' (Pair)
LWSQM10	Aircraft Cable 10' (Pair)
C6TL15-120	Cord & Plug Kit, 6 ft, Twist Lock NEMA L5-15P, 15 amp, 120V, White
C6TL15-277	Cord & Plug Kit, 6 ft, Twist Lock NEMA L7-15P, 15 amp, 277V, White
C6P15-120	Cord & Plug Kit, 6 ft, Straight Blade NEMA L5-15P, 15 amp, 120V, White
LWS-WG	Wire Guard, white, field installed