

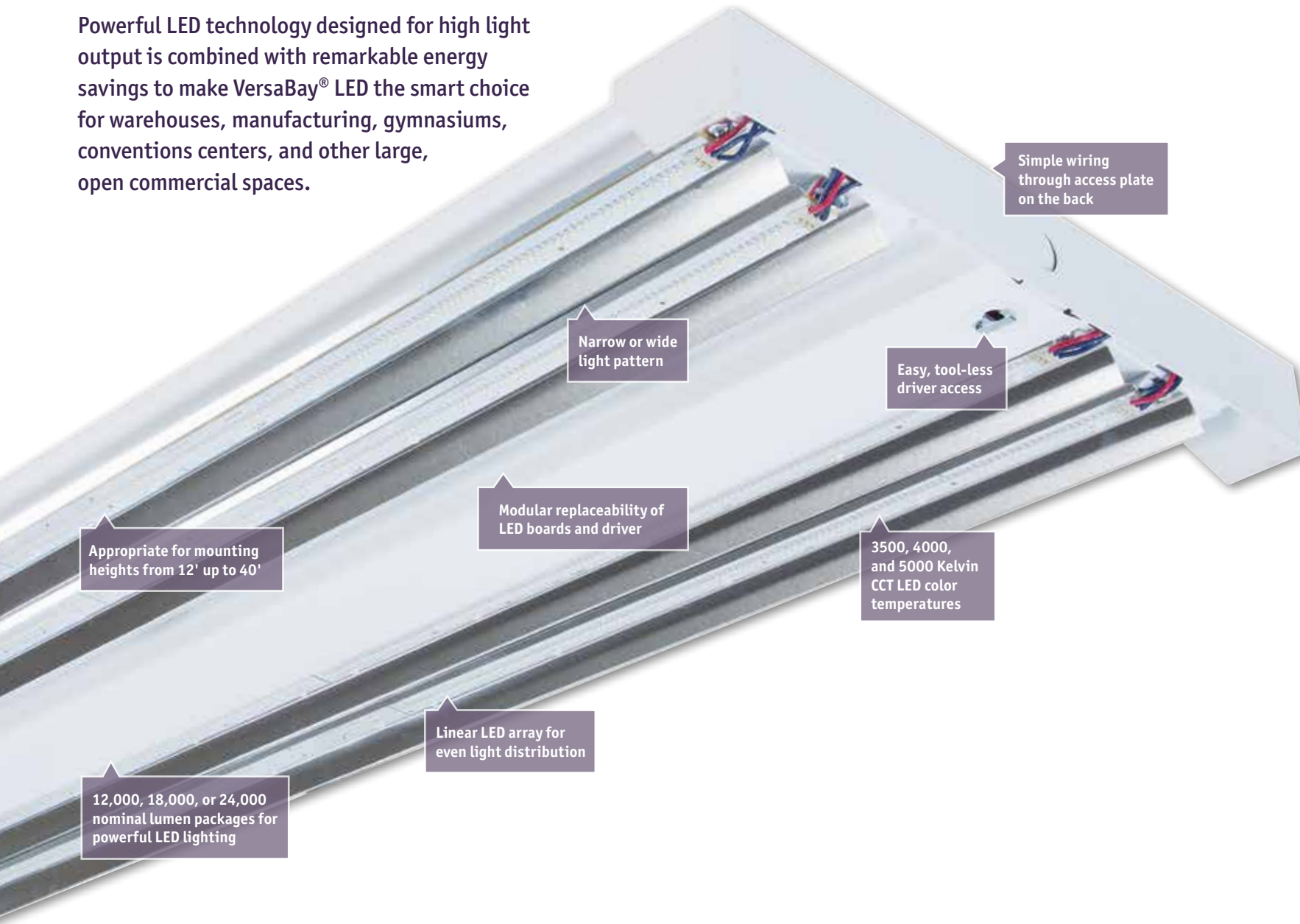


Columbia
LIGHTING

LLHV VERSABAY® LED HIGH BAY



Powerful LED technology designed for high light output is combined with remarkable energy savings to make VersaBay® LED the smart choice for warehouses, manufacturing, gymnasiums, conventions centers, and other large, open commercial spaces.



PRACTICAL AND VERSATILE OPTIONS



LLHV offers a wide range of options and accessories that can be shipped with the product or easily installed in the field. Sensors and cord sets are plug-and-play for ease of installation. Wire guard and occupancy/daylight sensor shown at left.

ALL THE RIGHT CHOICES

LUMENS PER WATT

Overall performance of LED lighting is measured in efficacy, or lumens per watt (LPW). LLHV maximizes lumens per watt to provide effective lighting, increase operating profit, and promote quick payback for relight projects.

WATTS

VersaBay® LED operates at low input wattage to reduce lighting power density and energy expense. While significantly lower than HID, even fluorescent products can't compete when it comes to saving lighting energy.

On average, VersaBay® LED uses:

48% less watts than metal halide

33% less watts than fluorescent

13% less watts than typical LED high bays

ROI

Simple payback analysis demonstrates that return on investment to replace HID sources is typically under two years. When utility rebates and maintenance savings are factored in, the payback is even more dramatic.

LONG LIFE

60,000 hours L80 lumen maintenance with predicted life to be more than 100,000 hours to take the stress out of facility maintenance.

DESIGNLIGHTS CONSORTIUM® QUALIFIED



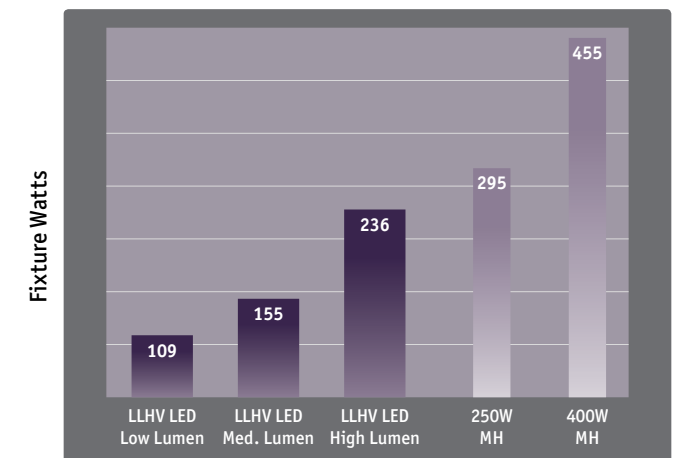
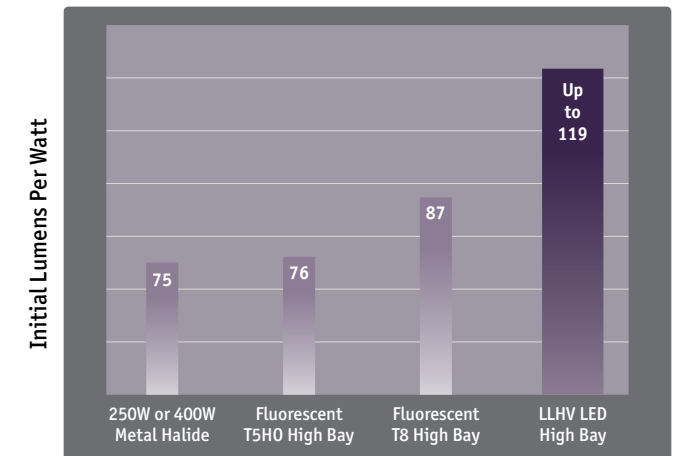
Designlights® Consortium qualified for utility rebate eligibility and specification compliance. Please refer to the DLC website for specific product qualifications at www.designlights.org.

CONTROLS COMPATIBLE

LLHV offers occupancy, daylight sensing or 0-10v dimming options. Sensors can be ordered with the product or easily retrofitted later with plug-and-play connectivity.



When specified, LLHV arrives on site with a wiHUBB™ In-Fixture Module installed, ready to directly interface with Hubbell Building Automation's wiHUBB™ peer-to-peer, self-healing, wireless mesh network.



CASH FLOW POSITIVE



Hubbell Lighting's unique financing option, providing flexible and easy access funding solutions for commercial lighting projects. www.hubbellighting.com/resources/financing

CRI

LLHV provides 83+ CRI. Color rendering is important for crisp vision with clear detail recognition. When CRI is 80 or higher, labels stand out. It becomes easier to differentiate between different materials, textures and patterns. Whether it's a warehouse rack or a convention center with signage, CRI makes an important difference in lighting quality.

NARROW OR WIDE DISTRIBUTION

VersaBay® LED offers a choice of narrow distribution for stacks or wide distribution for open areas. Many LED High-Bay products do not offer this choice, and take a one-size-fits-all approach that does not provide good lighting in all areas.

GOOD FINANCIAL SENSE

VersaBay® LED provides excellent return on investment.

Luminaire	400W Metal Halide	LLHV High Lumen
Watts	455	236
Annual Energy Cost	438	227
Controls	—	Occupancy
Simple Payback	—	1.3 Years

8760 hours, in-aisle occupancy 25%, 0.11 kWh rate; estimated results shown for general information only. Estimate does not include utility rebates or maintenance savings.

**1.3 YEAR
ROI**

WAREHOUSE VersaBay® LED boosts operating efficiency by providing a well lit environment that meets all the critical needs of worker productivity at a fraction of the energy used by traditional lighting sources.



CRITICAL NEED

- Well lit racks
- Even, vertical illumination
- Visibility of labels
- Efficiency of operation

LLHV Solution

- Optically efficient linear LED array to reduce shadows
- Narrow distribution to focus light in rack areas
- 83 CRI color rendering
- Optional occupancy and daylighting controls



MANUFACTURING Productivity and maintenance benefits combined with energy savings make a substantial contribution to operating profit. VersaBay® LED improves productivity by providing comfortable, effective lighting, with very attractive ROI.



CRITICAL NEED

- Task visibility
- Lighting uniformity
- Ability to discern materials
- Wide temperature range

LLHV Solution

- Choice of lumen packages
- Wide/narrow distribution to light work & storage areas
- 83+ CRI color rendering
- Product configurations from -20°C to 45°C operation



GYMNASIUM VersaBay® LED meets the challenges of gymnasium lighting by providing all the right features to keep the gym attractive and efficient for many years, with a timely payback for the lighting investment.

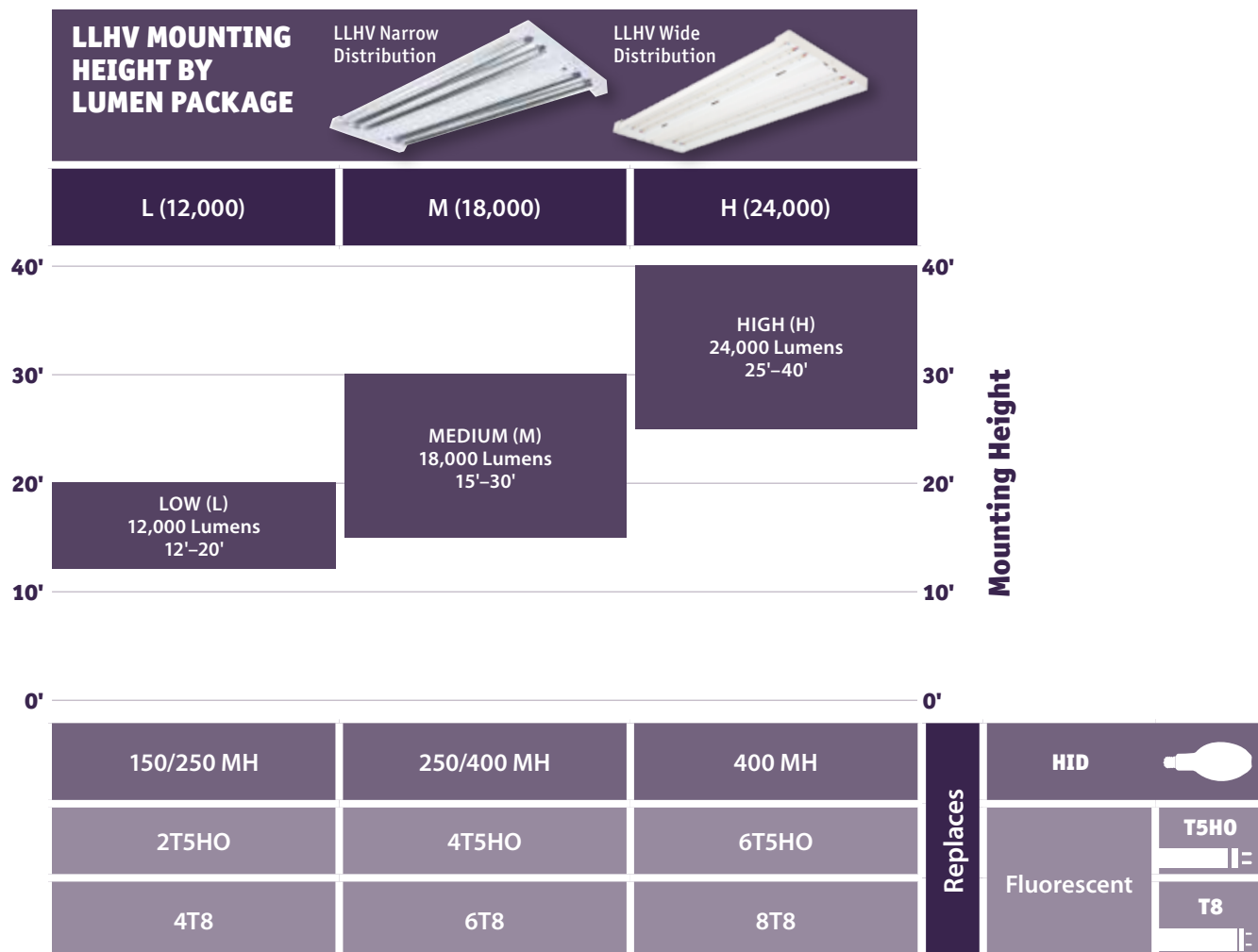


CRITICAL NEED

- Safety features
- High light levels
- Even illumination
- Install-and-forget operation

LLHV Solution

- Wire guard & lens options
- LED lumen packages for mounting heights up to 40'
- Wide distribution to spread light across large areas
- Long LED life for reduced maintenance



Matrix above is provided as a general guideline only. Mounting height information shown above applies to both narrow and wide distributions. Each application should be individually evaluated with lighting design software to confirm light levels. Photometric files are available at columbialighting.com

OPERATING TEMPERATURE

LLHV ambient operation is between -20°C and +45°C according to product configuration and rated life. See specification sheet at columbialighting.com for details.

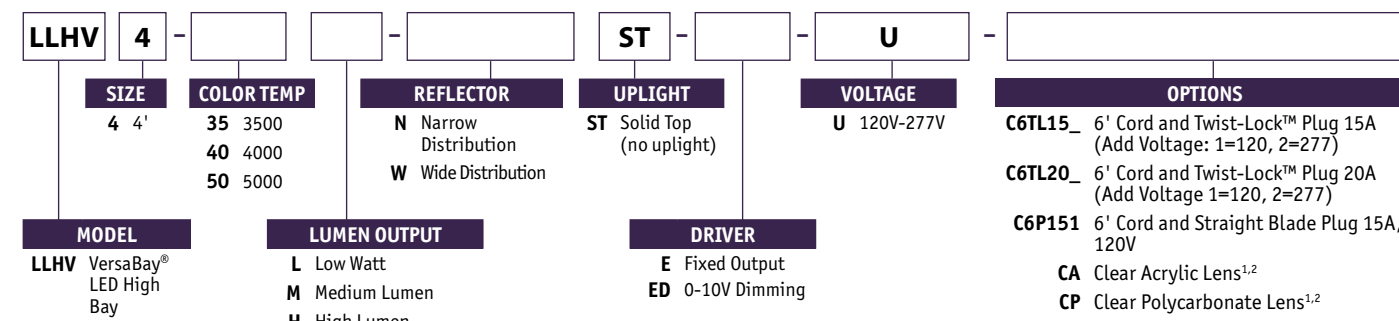
SUSTAINABILITY

Hubbell Inc. established its Hubbell Sustainability Initiative (HSI) to achieve an ongoing culture of environmental responsibility with its employees, customers, suppliers, community, and industry by implementing educational programs and sustainable practices. Hubbell's vision is to be a recognized leader in conserving natural resources to sustain our environment. LLHV embodies the HSI philosophy through environmentally responsible design.

- Mercury and lead free
- Low energy and carbon footprint
- Long LED life
- Manufactured from recyclable materials
- Components easily replaceable at end of life
- Easily upgradeable to capitalize on improvements in solid state technology



ORDERING INFORMATION



PRODUCT AVAILABILITY

LUMEN PACKAGE	NOMINAL LUMENS (5000K)	NOMINAL WATTS
L	12,000	109
M	18,000	155
H	24,000	236

Actual lumens will vary according to color temperature and other factors. For exact lumens and watts see specific photometric test(s).

¹ Side panels increase height to 27".
² Lens reduces max ambient operating temperature to 40°C; if combined with ELL14 max is 30°C.
³ Side panels only; does not include lens or wire guard options.
⁴ ELL14 reduces max ambient temperature to 40°C. If combined with lens max is 30°C.
⁵ In-Fixture Module Antenna adds 2" to overall fixture height at specific location.
⁶ Not compatible if surface mounting.

INDUSTRIAL SOLUTIONS FOR WET LOCATIONS

LED HBL: for wet locations with IP56.

- High performance LED
- -40°C to 55°C operating temperature
- Wet Location listed, IP56 rated
- 5 mounting options
- DLC Qualified

HBL LED HIGHBAY



ALERA LIGHTING
ARCHITECTURAL AREA LIGHTING
BEACON PRODUCTS
COLUMBIA LIGHTING
COMPASS
DEVINE LIGHTING
HUBBELL BUILDING AUTOMATION
HUBBELL INDUSTRIAL LIGHTING
HUBBELL OUTDOOR LIGHTING
KIM LIGHTING
KURT VERSEN
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create**change**

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to change specifications without notice.

