



The JHBL LED high bay is built to withstand moisture, dust and airborne contaminants in harsh industrial environments. It is an ideal one-for-one replacement of HID and fluorescent high bay systems, saving anywhere from 20% to 57% energy costs over traditional sources. Optional integrated controls provide additional design flexibility and energy savings. Calculations below are based on the assumptions listed at the left. Please use the **Visual Interior Tool™** to create your own space.

### Assumptions

50,000 Sq. Ft. Building (200' x 250')

35' Ceiling

2.5' Workplane

50/30/10 Reflectances

LLF for LED: 0.92

LLF for Fluorescent: 0.86

LLF for HID: 0.70 for Pulse-Start

4000K CCT / 70+ CRI

### 20' Mounting height & Wide Distribution

Luminaire	Watts/Unit	Footcandles 16' x 16' space (192 fixtures)	Footcandles 20' x 20' space (120 fixtures)	Footcandles 24' x 24' space (80 fixtures)
JHBL 18000LM WD LED	153W	60 fc	37 fc	25 fc
4-lamp T5HO	234W	51 fc	32 fc	21 fc
320W Pulse-Start MH	363W	52 fc	32 fc	22 fc

### 30' Mounting height & narrow Distribution

Luminaire	Watts/Unit	Footcandles 18' x 18' space (154 fixtures)	Footcandles 24' x 24' space (80 fixtures)	Footcandles 30' x 30' space (56 fixtures)
JHBL 24000LM ND LED	197W	57 fc	30 fc	21 fc
6-lamp T5HO	351W	55 fc	29 fc	20 fc
400W Pulse-Start MH	452W	55 fc	29 fc	21 fc

### Typical Footcandle Requirements

<b>Manufacturing</b>		<b>Foundries (cont.)</b>		<b>Natoriums</b>	
Frame Assembly	50	Molding - Large	75	Competition (Deck)	20
Machining	75	Molding - Medium	150	Competition (Over Water)	50
Presses/Shears	75	Pouring	75	Recreation (Deck)	16
Punches	75	Shakeout	30	Recreation (Over Water)	50
Welding	30	Sorting	75	Televised (Deck)	50
				Televised (Over Water)	75
<b>Foundries</b>		<b>Rolling Mills</b>		<b>Ice Arenas</b>	
Annealing	30	Cold Strip	30	Competition	75
Casting Furnace Area	30	Hot Strip	30	Recreation	50
Core Making - Fine	150	Pipe/Rod/Wire Drawing	50	Televised	150
Core Making - Medium	75	Tinning/Galvanizing	50		