



LUX

RUGGEDIZED LED HIGH BAY LUMINAIRES



Specifications

Applications

- Mechanically rugged, high-ambient temperature rated, long-life LED high bay for lighting large interior or covered exterior spaces such as heavy industrial facilities, warehouses, and large retail stores

General

- Direct, no-compromise, LED replacement for 400 to 1000 watt MH high bay luminaires with industry leading efficacy and lumen maintenance
- Available in 25,500 lumen, 80 lm/watt (standard) and 35,000 lumen 110+ lm/watt (high efficacy) models
- Replace 400 - 1000 MH high bay with 25 to 70% reduction in power usage and higher average lumen output
- Available up-light option to illuminate ceiling
- Field replaceable power supply with no aluminum electrolytic capacitors
- 10 year warranty

Mechanical

- Weight: 69 lbs
- Dimensions: 23" diameter x 13.3" high
- Mounting: ¾" or 1" NPT universal pipe mount, hook mounting optional, fixture has safety lugs included
- Supplied cable length: 9'
- Housing: painted aluminum, tempered glass lens

Electrical

- Operating Voltage: 120-277 VAC/250 VDC and 480VAC models
- Typical Power Consumption at maximum intensity:
 - Hi Efficacy, no uplights - 120VAC / 240VAC / 277 VAC – 310W / 301W / 300W
 - Hi Efficacy, with uplights – 120VAC / 240VAC / 277VAC – 353W / 343W / 342W
 - Standard, no uplights – 120VAC / 240VAC / 277VAC – 328W / 317W / 316W
 - Standard, with uplights – 120VAC / 240VAC / 277VAC – 369W / 357W / 356W
 - Hi Efficacy, no uplights – 480VAC – 300W
 - Hi Efficacy, with uplight – 480VAC – 342W
 - Standard, no uplights – 480VAC – 316W
 - Standard, with uplights – 480VAC – 356W
- Power factor: > .9
- Total Harmonics IEC 61000-3-2 < 15%
- Transient Protection: Exceeds IEEE C62.41.2-2002, standard combination wave, location category B, line-line and line-ground
- Power Supply Efficiency >91% at low rated voltage, >94% at high rated voltage



Environmental Limits

- Operating Temperature: -40 to +75 C (-40 to +167 F)
- UL 1598 damp location rated
- IEC 60529 ingress protection rating: LED Chamber IP6X, entire luminaire IP5X

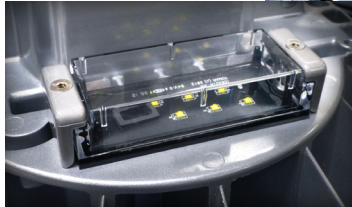
Light Output

- Fixture output: 25,500 lumens (80 lm/W efficacy) or 35,000 lumens (110 lm/watt)
- Lumen maintenance (L70): calculated and reported per TM-21-11:
 - Standard models (80lm/W)
 - 25C – 137,000 hours calculated, >100,000 hours reported
 - 50C – 108,000 hours calculated, >100,000 hours reported
 - 75C – 65,200 hours calculated, 65,200 hours reported
 - High Efficacy models (110lm/W)
 - 25C – 814,000 hours calculated, >72,600 hours reported
 - 50C – 332,000 hours calculated, >72,600 hours reported
 - 75C – 157,000 hours calculated, >72,600 hours reported
- CRI and CCT:
 - >70 – 5000K (neutral White)
- Available in wide and narrow output patterns
- Dimming Option:
 - No dimming
 - 0-10 V dimming, minimum light output 10% of maximum
 - Multi-Hot dimming, 33%, 67%, and 100% light output

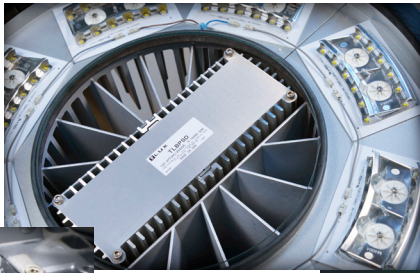
Standards

- UL 1598 Damp location
- CSA 22.2 No. 250.0-08
- FCC 47 CFR Part 15 Class B





One of two 6 LED uplight modules



12 LED high intensity lamp module



potted and heat-sinked solid-state power supply



Narrow or wide angle lighting pattern

Ordering Information

Luminaire Type	# of LEDs	Pattern	Efficiency/ Lumen Output	Color Temp	Mounting Option	Housing Color	Voltage Option	Dimming Option	Uplight Option
TLB (TLUX Baylight)	96	N (narrow)	H (High Efficacy) 35,000 lumens 110lm/W	N (neutral) 5000K	P (univ pipe mount)	GR (gray)	(Blank) (120-277 VAC/VDC)	D (0-10VDC dimming)	U (uplights included)
		W (wide)	N (Standard Efficacy) 25,500 lumens 80lm/w				1 (480 VAC)	M (multi-hot dimming, not available with voltage option 1)	(blank) (no uplight)
								(Blank) (no dimming option)	

Accessories: TLB-Hook – Fixture Mounting Hook

Model No.	Fixture Lumens		Power Consumption (1) Watts	Efficacy (1) lm/watt	Dimming	Optical Pattern	Input Voltage Range
	Down	Up					
TLB96NHNPGR	35,000	0	300	110	None	Narrow	120-277VAC/250 VDC
TLB96NHNPGRD	35,000	0	300	110	0-10V	Narrow	120-277VAC/250 VDC
TLB96NHNPGRM	35,000	0	300	110	Multi-Hot	Narrow	120-277VAC/250 VDC
TLB96NHNPGRU	35,000	3,200	342	110	None	Narrow with uplight	120-277VAC/250 VDC
TLB96NHNPGRDU	35,000	3,200	342	110	0-10V	Narrow with uplight	120-277VAC/250 VDC
TLB96NHNPGRMU	35,000	3,200	342	110	Multi-Hot	Narrow with uplight	120-277VAC/250 VDC
TLB96WHNPGR	35,000	0	300	110	None	Wide	120-277VAC/250 VDC
TLB96WHNPGRD	35,000	0	300	110	0-10V	Wide	120-277VAC/250 VDC
TLB96WHNPGRM	35,000	0	300	110	Multi-Hot	Wide	120-277VAC/250 VDC
TLB96WHNPGRU	35,000	3,200	342	110	None	Wide with uplight	120-277VAC/250 VDC
TLB96WHNPGRDU	35,000	3,200	342	110	0-10V	Wide with uplight	120-277VAC/250 VDC
TLB96WHNPGRMU	35,000	3,200	342	110	Multi-Hot	Wide with uplight	120-277VAC/250 VDC

(1) Power consumption and Efficacy are specified at maximum rated input voltage.

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Ordering Information *continued*

Model No.	Fixture Lumens		Power Consumption (1) Watts	Efficacy (1) lm/watt	Dimming	Optical Pattern	Input Voltage Range
	Down	Up					
TLB96NHNPGR1	35,000	0	300	110	None	Narrow	480VAC
TLB96NHNPGR1D	35,000	0	300	110	0-10V	Narrow	480VAC
TLB96NHNPGR1U	35,000	3,200	342	110	None	Narrow with uplight	480VAC
TLB96NHNPGR1DU	35,000	3,200	342	110	0-10V	Narrow with uplight	480VAC
TLB96WHNPGR1	35,000	0	300	110	None	Wide	480VAC
TLB96WHNPGR1D	35,000	0	300	110	0-10V	Wide	480VAC
TLB96WHNPGR1U	35,000	3,200	342	110	None	Wide with uplight	480VAC
TLB96WHNPGR1DU	35,000	3,200	342	110	0-10V	Wide with uplight	480VAC
TLB96NNNPGR	25,500	0	316	80	None	Narrow	120-277VAC/250 VDC
TLB96NNNPGRD	25,500	0	316	80	0-10V	Narrow	120-277VAC/250 VDC
TLB96NNNPGRM	25,500	0	316	80	Multi-Hot	Narrow	120-277VAC/250 VDC
TLB96NNNPGRU	25,500	3,200	356	80	None	Narrow with uplight	120-277VAC/250 VDC
TLB96NNNPGRDU	25,500	3,200	356	80	0-10V	Narrow with uplight	120-277VAC/250 VDC
TLB96NNNPGRMU	25,500	3,200	356	80	Multi-Hot	Narrow with uplight	120-277VAC/250 VDC
TLB96WNNPGR	25,500	0	316	80	None	Wide	120-277VAC/250 VDC
TLB96WNNPGRD	25,500	0	316	80	0-10V	Wide	120-277VAC/250 VDC
TLB96WNNPGRM	25,500	0	316	80	Multi-Hot	Wide	120-277VAC/250 VDC
TLB96WNNPGRU	25,500	3,200	356	80	None	Wide with uplight	120-277VAC/250 VDC
TLB96WNNPGRDU	25,500	3,200	356	80	0-10V	Wide with uplight	120-277VAC/250 VDC
TLB96WNNPGRMU	25,500	3,200	356	80	Multi-Hot	Wide with uplight	120-277VAC/250 VDC
TLB96NNNPGR1	25,500	0	316	80	None	Narrow	480VAC
TLB96NNNPGR1D	25,500	0	316	80	0-10V	Narrow	480VAC
TLB96NNNPGR1U	25,500	3,200	356	80	None	Narrow with uplight	480VAC
TLB96NNNPGR1DU	25,500	3,200	356	80	0-10V	Narrow with uplight	480VAC
TLB96WNNPGR1	25,500	0	316	80	None	Wide	480VAC
TLB96WNNPGR1D	25,500	0	316	80	0-10V	Wide	480VAC
TLB96WNNPGR1U	25,500	3,200	356	80	None	Wide with uplight	480VAC
TLB96WNNPGR1DU	25,500	3,200	356	80	0-10V	Wide with uplight	480VAC

(1) Power consumption and Efficacy are specified at maximum rated input voltage