

XLamp MHB-B DLC 4.0 Premium High Bay Reference Design

24,000 lm High Bay - Lower System Cost High Bay



Configuration	A	B
# Drivers	2	1
Output	24,451 lm	13,287 lm
Efficacy	134 LPW	148 LPW
Power	183 W	90 W
LED	XLamp MHB-B, 5000K, 70 CRI	
# LEDs	80	80
Tsp	67°C	47°C
Reported TM-21	L90(10k) > 60.5k hrs	L90(10k) > 60.5k hrs

- Cree LEDs enable a smaller & lighter solution than using mid-power LEDs
- Passively cooled to $T_{sp} = 67^{\circ}\text{C}$ → supports ambient operating $>55^{\circ}\text{C}$
- 9.75 lbs (4.4Kg) – Half the weight of comparable fixtures
- Would qualify for DLC 4.0 Premium

24,000 lm High Bay – Configurations & Measurements

Configuration	A	B
# Drivers	2	1
Driver	Meanwell HLG-120H-C1050A	
Driver Current	980 mA	980 mA
LED Current	245 mA (9V)	245 mA (9V)
Output	24,451 lm	13,287 lm
Power	182.7 W	89.6 W
Efficacy	133.8 LPW	148.2 LPW
CCT	4971 K	4934 K
Tsp	67.1 °C	46.6 °C
T Heat Sink	67.4 °C	44.6 °C
Tc Driver	56.3 °C	40.3 °C



233 mm
9.2"



Inside D:
85 mm
3.3"

Outside D:
183 mm
7.2"