

DESCRIPTION

HXB is available in 1x4, 2x2, and 2x4 sizes, and it is typically positioned around the perimeter of the operating room. The HXB is available with various features, such as: wet location optional, anti-microbial paint optional, MILSTD 461G available, NSF listed, Red and Green LED's.

APPLICATION

The HXB provides a supplemental, asymmetric/symmetric lighting solution in the operating room and is the perfect choice in the operating room surgical suite.

DOORFRAME

18 Gauge CRS, one-piece inset construction corners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. Antimicrobial finish optional.

HOUSING

Die-formed heavy gauge steel. Seam-welded construction. Stainless steel or aluminum options. All doors attached to the housing with two stainless steel aircraft cables. Stainless steel Philips head screws painted to match door finish to secure door frame to housing. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Antimicrobial finish optional.

ELECTRICAL SYSTEM

Electronic driver 0-10V, 1% and 10% dimming standard. For outputs A and B, 0-10V 10% dimming driver (no dim to off) is standard. For outputs C-J, 0-10V 1% dim to off dimming driver standard. Long-life LED system rated for >120K hours (L70 @ 25°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM

Various lensing options available, consult with factory for custom options. RFI 3/8" square metal grid, grounded to the housing. Other lenses available, refer to Ordering Information.

LED

80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >120,000 hours at 70% lumen maintenance. Red (630nm) and Green (520nm) LEDs also available.

MOUNTING

Recessed grid or Flanged (drywall) mounting options available.

LISTINGS

- UL Listed
- Wet Location (optional)
- American Recovery and Reinvestment Act (ARRA) compliant
- Buy American Act (BAA) compliant

WARRANTY

Any component that fails due to manufacturing defect is guaranteed for five years. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full PROFORM warranty document for detailed information.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



OUTPUT INFORMATION

Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
Standard Low	4650	33	>120K
Medium Low	7974	57	>120K
High Low	11150	80	>120K
Standard Medium	12040	86	>120K
Medium Medium	13016	93	>120K
High Medium	15728	112	>120K
Standard High	16500	118	>120K
Medium High	20000	143	>120K
High High	25000	179	>120K

* Delivered lumens shown tested with 4000K LEDs and asymmetric/symmetric grid lens

Approximate Color	
Temperature	Multiplier
5000K	1.03
4000K	1.00
3500K	0.97
3000K	0.94
2700K	0.91

ORDERING INFORMATION

Example: HXBB3500C01CA1

Series	Size	Color Temp.	Color Temp.	Exam Illum.	Housing	
HXB	A = 1x4' Unit, 120/277VAC	27 = 2700K	00 = None	A = Standard Low	0 = 20 Gauge Cold Rolled Steel	
	B = 2x2' Unit, 120/277VAC	30 = 3000K	52 = Green LED 520 nm	B = Medium Low	1 = 18 Gauge Stainless Steel	
	C = 2x4' Unit, 120/277VAC	35 = 3500K	(defaults to the 2 outdoor rows)		C = High Low	2 = 20 Gauge Stainless Steel
		40 = 4000K	63 = Red LED 630 nm		D = Standard Medium	3 = 22 Gauge Stainless Steel
		50 = 5000K	(defaults to the 2 outdoor rows)		E = Medium Medium	4 = 0.063" Aluminum
				F = High Medium	5 = 18 Gauge Stainless Steel Brushed	
				G = Standard High		
				H = Medium High		
				J = High High		

Door Type	Lens	Driver	Circuits	Options
0 = 18 Gauge Cold Rolled Steel	A ⁷ = Asymmetric/Symmetric Lens	A ¹ = 0-10V Dimming Driver (Included standard)	1 = 1 Circuit	A = 1200 Lumen Emergency Ballast
1 = 18 Gauge Stainless Steel	with .020 opal diffusing overlay	B = 0-10V 1% to Off Dimming Driver	2 = 2 Circuit	B = Emergency installed for room-side access
2 = 18 Gauge Stainless Steel Brushed	B ⁷ = Asymmetric/Symmetric Lens	C = 0-10V 5% to Off Dimming Driver		C = Mounting Safety Brackets (4) with hardware
3 = 0.063" Aluminum	with RFI grid with 0.020 opal diffusing overlay	D = Electronic Driver Non-Dimming		D = Continuous piano hinge
	C ⁷ = Pattern 12 acrylic 0.125" thick	F = Lutron Hi-lume 1% Ecosystem LED Driver with		E ^{2,3,4,5} = MILSTD 461G compliant
	D ⁷ = 0.125" thick KSH19 RFI Symmetrical Lens	Soft-on, Fade-to-Black Dimming Technology		one filter for single component
	E = Symmetric Diffused DR Acrylic	G = Lutron LDE5 5-Series Ecosystem 5% Dimming		F ^{2,3,4,5} = MILSTD 461G compliant
	F = Satin Lens			two filters for dual circuits
				G ^{2,3,4,5} = MILSTD 461G compliant
				three filters for 3 circuits
				H = 90 CRI
				J = Flanged Trim
				K = Flangeless Trim
				L ⁶ = Surgery Room Layout
				M = Continuous run
				N = MRI Safe
				O = Dimming Kit
				P = Anti-microbial Paint
				Q = Lutron Vive Integral Fixture Control
				(RF with Daylight and Occupancy Sensing)
				R = Lutron attached Fixture Control
				(RF only for 0-10V Drivers)
				S = Wet Location

Notes

¹ 0-10V 10% Dimming driver (no dim to off) standard with A-B outputs (4650-7974 lumens), 0-10V 1% to off dimming driver standard with C-J outputs (11150 to 25000 lumens)

² Thermal protectors installed on side of fixture, located approximately 2 1/4" inches from bottom of fixture. (See thermal protector table and detail below).

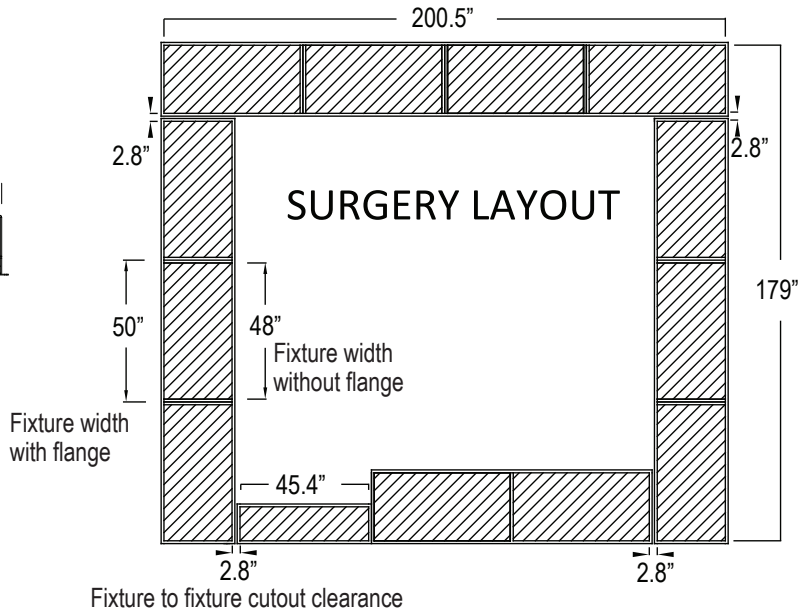
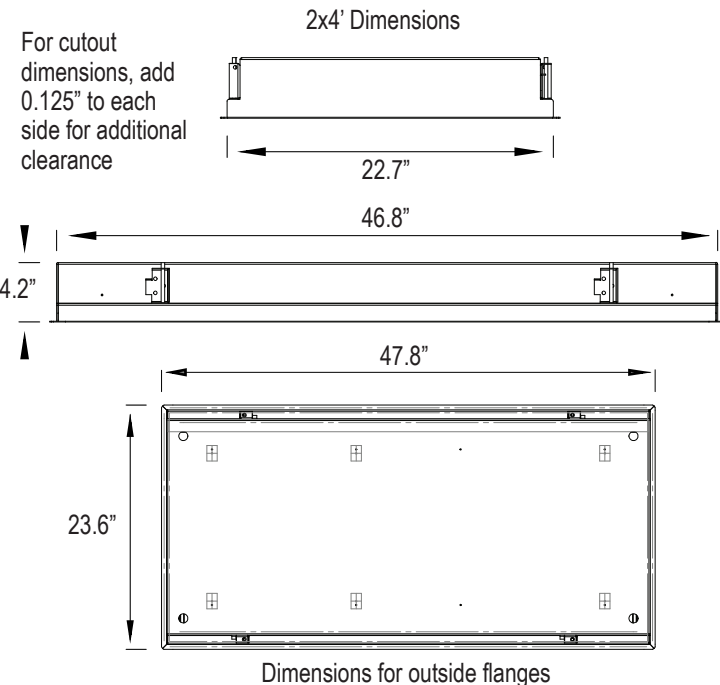
³ ASR or 89BC lens options must be used for MILSTD 461G compliance.

⁴ EL7W and EL14W not available with MILSTD 4G.

⁵ MILSTD 461G is the latest MILSTD version. MILSTD 461G supercedes all other versions (A-F).

⁶ When ordering for a surgical room layout the length of the 1x4 is 10-5/8 x 45.41

⁷ Consult factory to include 0.125" clear acrylic underlay



Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.