

TIHB SERIES

Indirect LED Linear Tennis/Sports High Bay

SPECIFICATIONS

APPLICATION The high lumen output luminaire is designed to be a replacement for HID and fluorescent high bays. It is optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location which makes maintenance difficult are ideal applications. The high wattage/lumen output allows the fixture to be used for many indoor sports venues and applications.

CONSTRUCTION The robust housing is constructed of code-gauge (16 & 22 gauge) cold rolled steel. Rigid stiffening brackets prevent twisting and bowing. Engineered for exceptional thermal performance using lightweight aluminum thermal LED heat sinks. Open structure design allows for natural convective cooling. Wireguard attachment points provided.

FINISH Post painted housing and components with a Lighting White Polyester type paint which has a UV stabilizer included with a 93% reflectivity. Raw steel goes through our custom wash system with a mild solvent and pre-treatment "rust inhibitor" before passing through a preheat oven. After the paint is applied the fixture then passes through the cure oven for maximum adhesion. Each fixture is painted to a minimum of 2-3 mil thickness for extra durability.

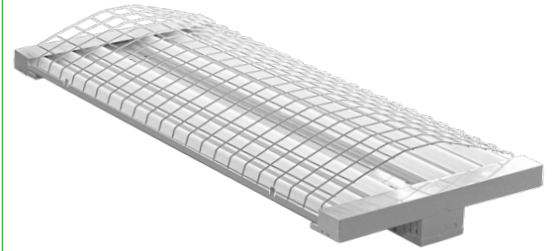
OPTICAL SYSTEM High efficiency linear LED strips provide a medium light distribution pattern and exceptional horizontal and vertical performance.

ELECTRICAL SYSTEM Class II long life LED's and high efficiency drivers work together to provide superior performance in a safe and efficient package. Eleven light levels provide a wide range of output options. L95 at 10K hours L70 ≥ 50K hours. LED's available in 4000K and 5000K with a CRI >80. Electronic drivers are available in 120~277V or 347~480V configurations. Power factor >0.9, 0-10V dimming standard (dimming leads pulled through upon request). Modular wiring drop cord may be factory installed (contact your sales representative for details).

MOUNTING Suitable for suspension mounting via aircraft cables, jack chain with "S" hooks, end-mount tong hangers; monopoint mounting via a 3/4" rigid or swivel pendant system.



CENTER COURT
LIGHTING



LISTINGS Class II compliant. Complies with UL8750. ETL listed for damp locations. Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

ORDERING INFORMATION

EXAMPLE: **TIHB-6D-50-99L-VWD-1-PM**

TIHB	6D	50	99L	VWD	1	-	PM
SERIES	MODULES	COLOR TEMP/CCT	LUMENS	LENS	VOLTAGE	FINISH	OPTIONS
	4D	40 Neutral White (4000K)	50L 5000L (4D Only)	VWD = Very Wide 120°	1 Multi-Volt ¹	BLANK White	HOEB LED Battery Pack, 90 min, 4000 lumens
	6D	50 Cool White (5000K)	55L 5500L (4D Only)		2 387~480V	GRY Gray	AC63 6', 3/8" dia., Armored Flex Cable
			60L 6000L (4D Only)				C1 6' Cord Set, Twist-lock 120V
			66L 6600L (4D Only)				C2 6' Cord Set, Twist-lock 277V
			70L 7000L (6D Only)				C4 6' Cord Set, Twist-lock 480V
			75L 7500L (6D Only)				FBF Internal Fast-Blow Fuse
			80L 8000L (6D Only)				DLP Dimming Leads Pulled
			85L 8500L (6D Only)				PM Pendant Mount
			90L 9000L (6D Only)				
			95L 9500L (6D Only)				
			99L 9900L (6D Only)				

ACCESSORIES & NOTES

(Order as separate line items)

10JC.....(3) S Hooks and 10' Jack Chain Set
G10.....10' Aircraft Cable w/ 12" Arms (Set of 2)
G20.....20' Aircraft Cable w/ 12" Arms (Set of 2)
HDHK75.....Heavy Duty Conduit Outlet Box with Ball Type Hanger
HDSTEM12.....12"x .75" Schedule 80 Steel Pipe Stem
HDSTEM24.....24"x .75" Schedule 80 Steel Pipe Stem
HDSTEM36.....36"x .75" Schedule 80 Steel Pipe Stem

Notes:

¹ = Multi-Volt is an auto ranging power supply from 100V to 300V input.

HOEB
LED Battery Pack, 90 min, 5050 lumens



C1, C2 and C4
6' Cord Sets with NEMA Style Twist-lock Plug



G10
10' Aircraft Cable w/ 12" Arms (Set of 2)



HDHK75
Heavy Duty Conduit Outlet Box with Ball Type Hanger



AC63
6', 3/8" dia., Armored Flex Cable



10JC
(3) S Hooks and 10' Jack Chain Set



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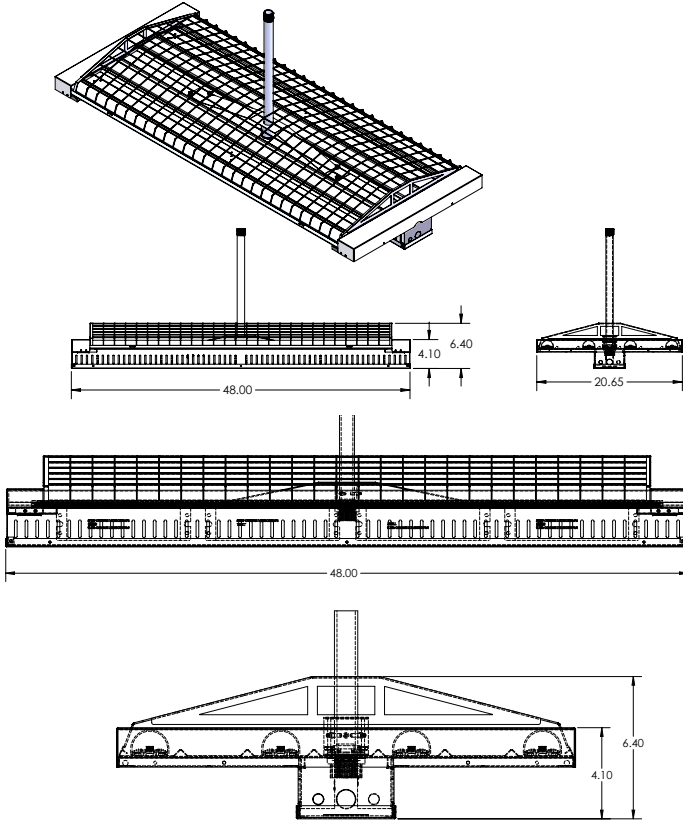
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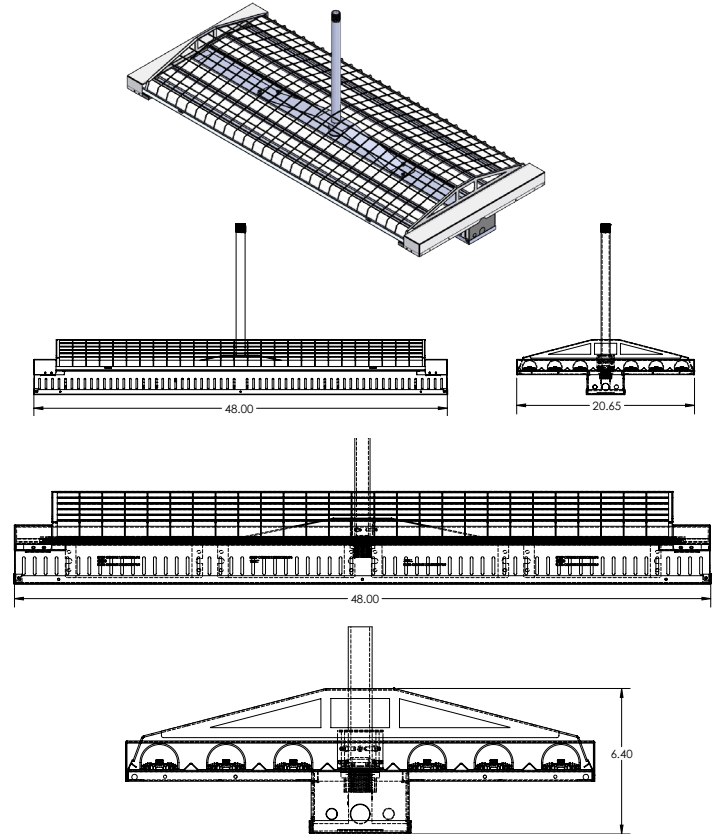
CENTER COURT
LIGHTING

FIXTURE DIMENSIONS

Dimensions shown for 4D Unit with PM (Pendant Mount)



Dimensions shown for 6D Unit with PM (Pendant Mount)

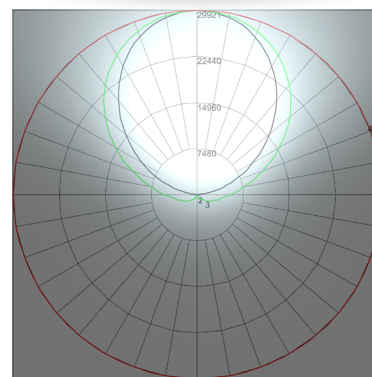


LUMINAIRE CHARACTERISTICS

# of LED Strips	Delivered Lumens	System Wattage	LPW	L70 @ 25°C	Amperage Draw					
					VWD	120V	208V	240V	277V	347V
4D	50,460	267	189	>50K	0.45	0.78	0.90	1.04	1.30	1.80
4D	55,505	307	181	>50K	0.39	0.68	0.78	0.90	1.13	1.56
4D	60,372	352	172	>50K	0.34	0.59	0.68	0.79	0.99	1.36
4D	66,206	415	160	>50K	0.29	0.50	0.58	0.67	0.84	1.16
6D	69,837	359	195	>50K	0.33	0.58	0.67	0.77	0.97	1.34
6D	75,689	401	189	>50K	0.30	0.52	0.60	0.69	0.87	1.20
6D	79,507	430	185	>50K	0.28	0.48	0.56	0.64	0.81	1.12
6D	85,108	477	178	>50K	0.25	0.44	0.50	0.58	0.73	1.01
6D	90,559	527	172	>50K	0.23	0.39	0.45	0.53	0.66	0.91
6D	95,859	582	165	>50K	0.21	0.36	0.41	0.48	0.60	0.82
6D	99,309	622	160	>50K	0.19	0.33	0.39	0.45	0.56	0.77

Lumen outputs above are the same for either the 4000K or 5000K CCT.

PHOTOMETRICS



Maximum Candela = 29920.6
Located at Horizontal Angle = 0, Vertical Angle = 180
Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)

CHARACTERISTICS

CIE Type: Indirect
Spacing Criterion: N/A
Standard Lumen Output: VWD
Model: TIHB 6D XX 99L VWD
Color Temperature: 5000K CRI: 80
Luminaire Lumens: 99308
Total Luminaire Watts: 622
Ballast Factor: 1.00

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	255.68	0.30
0-40	553.01	0.60
0-60	1902.1	1.90
0-90	8416.44	8.50
90-120	23892.87	24.10
90-130	37721.35	38.00
90-150	67686.85	68.20
90-180	90891.62	91.50
0-180	99308.06	100.00