



# BAYLIGHTER™

## HBI600 SERIES

### Rugged Gymnasium Luminaire



- Rugged Gymnasium Luminaire
- Multi-Level Switching
- Heavy Gauge Cold Rolled Steel Welded Construction
- Powder Coated Finish / Painted After Fabrication
- One Way Polyurethane Gasketed
- Removable Wiring Access Plate
- Stem, Cable or Chain Mountable
- Suitable for Damp Locations
- Available with:

Fluorescent, LED and LED T8 (Internally Driven)

11ga. Wire Guard

Frame & Lens Assembly With Safety Cables

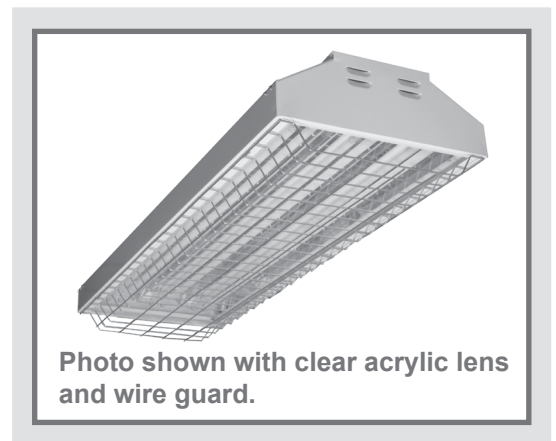
95% Enhanced Specular Aluminum Reflectors

Sensor

Emergency Battery Pack

Pendant Mtg. Hub / Adapter

Photometric Data and IES Files are Available on [www.lalighting.com](http://www.lalighting.com)



**LOS ANGELES LIGHTING MFG. CO.**

10141 OLNEY ST. / EL MONTE, CA 91731

TEL : 626-454-8300 FAX : 626-454-8399

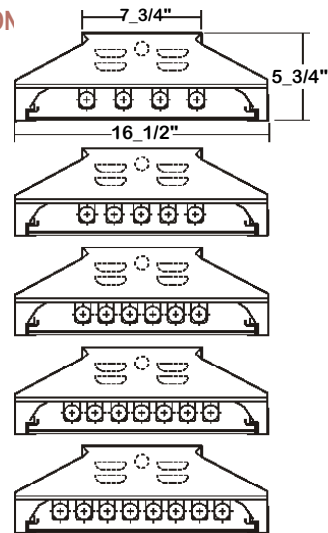
[www.lalighting.com](http://www.lalighting.com)

# BAYLIGHTER™ - LED T8 (Internally Driven)



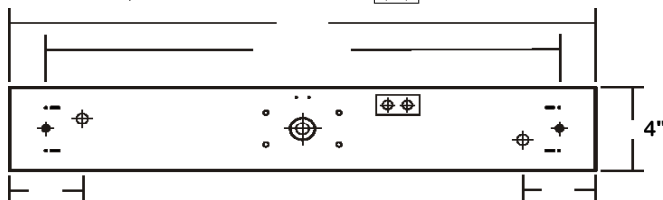
## HBI600 SERIES - LED T8

### CROSS SECTION



### BACK PLATE

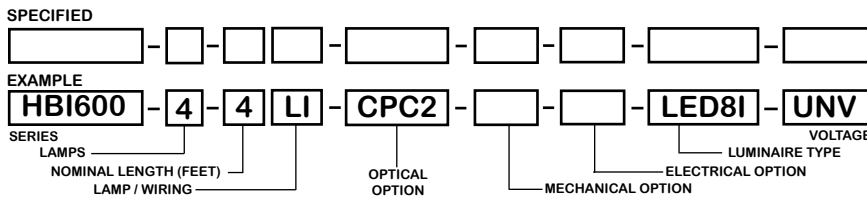
- 3/16" K.O.    ♦ 11/16" STEM MTG. K.O.    ⊕ 2" K.O.
- V-HOOK    ⊕ 7/8" OFFSET K.O.    ⊕ ⊕ ACCESS PLATE



### CATALOG NUMBER

	NOMINAL LENGTH	TOTAL MODULES		NOMINAL LENGTH	TOTAL MODULES
HBI600-4-4Lx	4'	4	HBI600-7-4Lx	4'	7
HBI600-5-4Lx	4'	5	HBI600-8-4Lx	4'	8
HBI600-6-4Lx	4'	6			

### ORDERING GUIDE



### LAMP / WIRING

**LI = LED T8 internal driver light tube.**  
Both ends powered.  
Shunted sockets used.



**LR = LED T8 internal driver light tube.**  
Single end powered.  
Non-shunted sockets used.



### OPTIONS AND ACCESSORIES

#### OPTICAL OPTIONS

- Clear Polycarbonate Acrylic .125
- High Impact Clear Prismatic Acrylic .125 \* Other Lens Available Upon Request

SUFFIX  
CPC2  
DRP2

#### MECHANICAL OPTIONS

- Gasketing

SUFFIX  
**GSK\***

#### ELECTRICAL OPTIONS

- LED Luminaire ON/OFF Safety Switch
- Motion Sensor

SUFFIX  
TS2  
MS

#### ACCESSORIES

- Wire Guard-11 Ga.
- Fixture Suspension System
- Ceiling Spacer
- 6" Leg Height V-Hook
- Die Cast Hub For 3/4" Pipe

CAT. NO.  
WG11-HBI600  
\*  
\*  
V6  
HUB

\*See appropriate reference page

### SPECIFICATIONS

- TYPE
- CONSTRUCTION
- FINISH
- REFLECTOR
- DOOR FRAME
- GASKET
- OPTICS
- WIRE GUARD
- WIRING
- LABELS

Rugged gymnasium luminaire for surface, pendant, or chain mount applications, for LED T8 internally driven light tube(s)\*\*.

22 gauge cold rolled steel welded housing. Quarter turn rotary locking lampholders standard. (20 GA. housing available as specified)

Baked white powder coated finish, minimum reflectance 90%. Painted after fabrication.

24 ga. pre-paint cold rolled steel flat white reflector, minimum reflectance 86%.

20 gauge cold rolled steel door frame standard. T-hinges and positive spring loaded latches. Safety cables attached.

One way polyurethane gasketed standard. More options available.

Available with various acrylic or polycarbonate lenses.

11ga. chrome epoxy powder coated.

Operate LED T8 internally driven light tube(s)\*\*.

Suitable for damp locations.

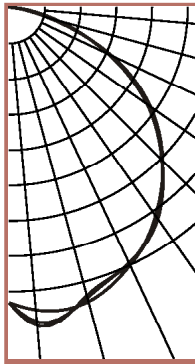
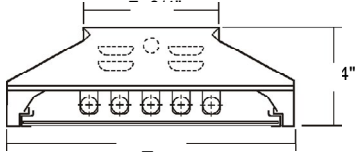
\*\* Lamp(s) by others.



**PHOTOMETRIC DATA**

**HBI600-5-4Lx-FR-CA-LED8x-UNV**

TEST NO.=LA-T2198  
 LAMP TYPE=LED T8 Internally Driven Light Tube\*  
 NO. OF LAMP=5  
 LUMENS PER LAMP=1700  
 WATTS PER LAMP=18.5  
 PHOTOMETRY TYPE=C  
 \* Test with major manufacturer's  
 LED T8 light tube(s), consult  
 L.A. Lighting for details.



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	2542	2542	2542
5	2613	2716	2750
15	2621	2585	2566
25	2447	2426	2434
35	2208	2218	2184
45	1847	1852	1859
55	1442	1459	1475
65	942	945	968
75	429	404	368
85	83	52	35
90	0	0	1
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2117	24.9	27.6
0-40	3503	41.2	45.7
0-60	6246	73.5	81.5
0-90	7660	90.1	100.0
90-120	0	0.0	0
90-150	0	0.0	0
90-180	0	0.0	0
0-180	7660	90.1	100

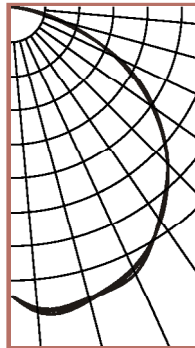
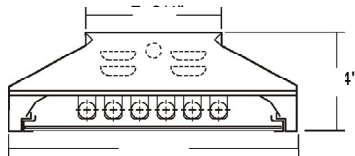
Lumen Output = 7660 lumens  
 Luminaire Efficiency = 90.1%

**SPACING CRITERION**

ALONG	ACROSS
1.35	1.34

**HBI600-6-4Lx-FR-CA-LED8x-UNV**

TEST NO.=LA-T2199  
 LAMP TYPE=LED T8 Internally Driven Light Tube\*  
 NO. OF LAMP=6  
 LUMENS PER LAMP=1700  
 WATTS PER LAMP=18.5  
 PHOTOMETRY TYPE=C  
 \* Test with major manufacturer's  
 LED T8 light tube(s), consult  
 L.A. Lighting for details.



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	2968	2968	2968
5	3099	3114	3143
15	3077	3080	3104
25	2994	2931	2951
35	2619	2646	2643
45	2236	2234	2243
55	1725	1741	1758
65	1142	1158	1173
75	512	479	423
85	91	57	38
90	0	0	1
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2537	24.9	27.6
0-40	4195	41.1	45.7
0-60	7489	73.4	81.5
0-90	9189	90.1	100.0
90-120	0	0.0	0
90-150	0	0.0	0
90-180	0	0.0	0
0-180	9189	90.1	100

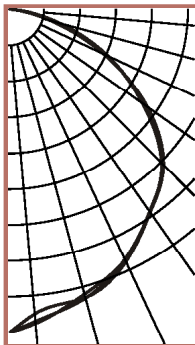
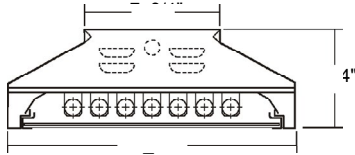
Lumen Output = 9189 lumens  
 Luminaire Efficiency = 90.1%

**SPACING CRITERION**

ALONG	ACROSS
1.36	1.37

**HBI600-7-4Lx-FR-CA-LED8x-UNV**

TEST NO.=LA-T2200  
 LAMP TYPE=LED T8 Internally Driven Light Tube\*  
 NO. OF LAMP=7  
 LUMENS PER LAMP=1700  
 WATTS PER LAMP=18.5  
 PHOTOMETRY TYPE=C  
 \* Test with major manufacturer's  
 LED T8 light tube(s), consult  
 L.A. Lighting for details.



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	3981	3981	3981
5	3754	3877	3851
15	3670	3620	3672
25	3409	3386	3378
35	3023	3011	3023
45	2639	2660	2676
55	1977	1995	2047
65	1309	1303	1250
75	608	547	502
85	109	75	57
90	1	1	2
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2970	25.0	27.9
0-40	4865	40.9	45.7
0-60	8722	73.3	81.9
0-90	10651	89.5	100.0
90-120	0	0.0	0
90-150	0	0.0	0
90-180	0	0.0	0
0-180	10651	89.5	100

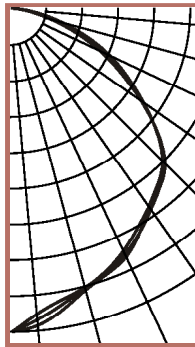
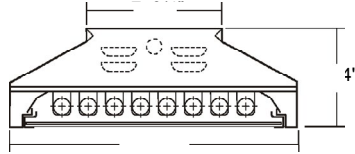
Lumen Output = 10651 lumens  
 Luminaire Efficiency = 89.5%

**SPACING CRITERION**

ALONG	ACROSS
1.20	1.20

**HBI600-8-4Lx-FR-CA-LED8x-UNV**

TEST NO.=LA-T2201  
 LAMP TYPE=LED T8 Internally Driven Light Tube\*  
 NO. OF LAMP=8  
 LUMENS PER LAMP=1700  
 WATTS PER LAMP=18.5  
 PHOTOMETRY TYPE=C  
 \* Test with major manufacturer's  
 LED T8 light tube(s), consult  
 L.A. Lighting for details.



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	4625	4625	4625
5	4538	4453	4369
15	4144	4119	4112
25	3891	3849	3795
35	3415	3467	3424
45	3032	3048	3082
55	2260	2255	2214
65	1505	1432	1347
75	697	596	543
85	122	88	62
90	0	1	1
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	3375	24.8	28.0
0-40	5538	40.7	45.9
0-60	9918	72.9	82.3
0-90	12053	88.6	100.0
90-120	0	0.0	0
90-150	0	0.0	0
90-180	0	0.0	0
0-180	12053	88.6	100

Lumen Output = 12053 lumens  
 Luminaire Efficiency = 88.6%

**SPACING CRITERION**

ALONG	ACROSS
1.18	1.17

