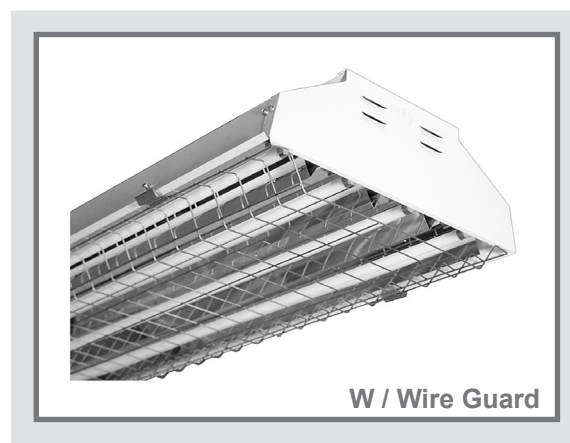


# BAYLIGHTER™

## HBI201 SERIES High Bay Luminaire



- High Bay Luminaire Up-Light
- Quarter Turn Rotary Locking Sockets
- 95% Enhanced Specular Aluminum Reflectors
- Removable Wiring Access Plate
- Stem, Cable or Chain Mountable
- Suitable for Damp Locations
- Available with:
  - .040 Aluminum Fixture Housing
  - 90% White Aluminum Reflectors
  - Emergency Battery Pack
  - Sensor
  - 11ga. or 14ga. Wire Guard
  - Die Cast Hub for 3/4" Pipe



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

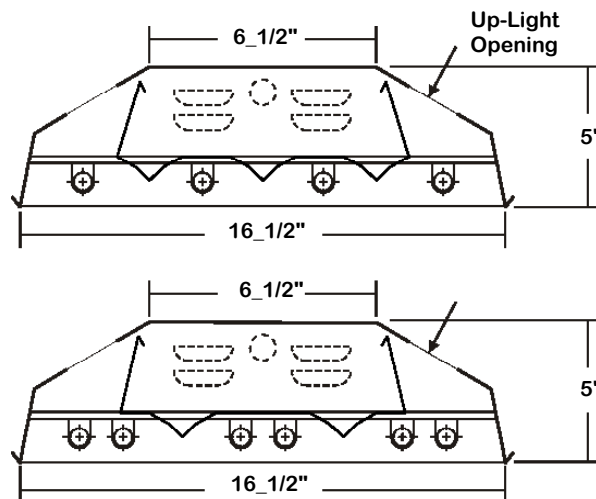


**LOS ANGELES LIGHTING MFG. CO.**  
 10141 OLNEY ST. / EL MONTE, CA 91731  
**TEL : 626-454-8300 FAX : 626-454-8399**  
[www.lalighting.com](http://www.lalighting.com)



# HBI201 SERIES

## CROSS SECTION

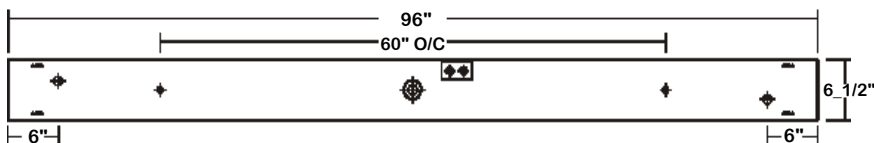
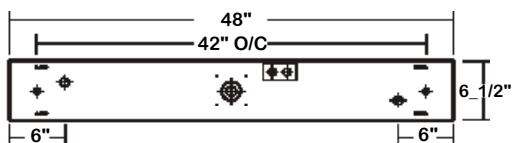


### CATALOG NUMBER

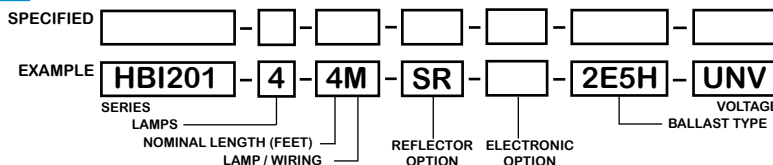
	NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS
HBI201-3-4M	4'	3	HBI201-3-4R	4'	3
HBI201-4-4M	4'	4	HBI201-4-4R	4'	4
HBI201-5-4M	4'	5	HBI201-5-4R	4'	5
HBI201-6-4M	4'	6	HBI201-6-4R	4'	6
HBI201-3-8MT	8'	6	HBI201-3-8RT	8'	6
HBI201-4-8MT	8'	8	HBI201-4-8RT	8'	8
HBI201-5-8MT	8'	10	HBI201-5-8RT	8'	10
HBI201-6-8MT	8'	12	HBI201-6-8RT	8'	12

### BACK PLATE

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



### ORDERING GUIDE



**NOTE: LAMP/WIRING\*** M= Miniature Bi-Pin T5   MT= Miniature Bi-Pin T5, Tandem Wiring  
R = Medium Bi-Pin T8   RT = Medium Bi-Pin T8, Tandem Wiring

### OPTIONS AND ACCESSORIES

#### REFLECTOR OPTIONS

Specular Aluminum Reflector (95%)	SR
White Aluminum Reflector (90%)	WR

#### ELECTRICAL OPTIONS

Emergency Battery Pack	BP*
External Line Fusing (HLR/GLR)	ELF
Radio Interference Filters	RIF
Motion Sensor	MS

#### BALLAST OPTIONS

Electronic T5	E5*
Electronic T5HO	E5H
Electronic Step Dimming T5HO	ESDM5H
Electronic T8	E8*
Electronic Step Dimming T8	ESDM8*

#### ACCESSORIES

Wire Guard - 11 Ga.	WG11-HBI201
Wire Guard - 14 Ga.	WG14-HBI201
Fixture Suspension System	*
Ceiling Spacer	*
6" Leg Height V-Hook	V6
Die Cast Hub For 3/4" Pipe	HUB

\*See appropriate reference page

### SPECIFICATIONS

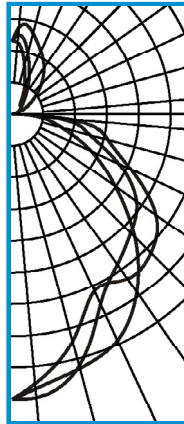
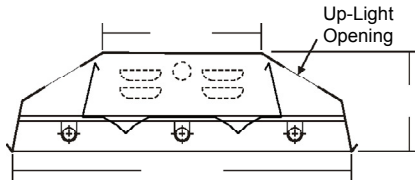
- TYPE** Medium or high bay industrial for surface, pendant, or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted.
- CONSTRUCTION** 22 gauge cold rolled steel housing. Quarter turn rotary locking lampholders standard. 20 ga. C.R.S. housing and 0.040 aluminum housing available as specified.
- FINISH** Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)
- REFLECTOR** Enhanced aluminum reflectors, 95% reflectance. High reflectance white aluminum reflector available.
- UP\_LIGHT** 10% up-light opening standard.
- WIRE GUARDS** Chrome epoxy powder coated.
- WIRING** 120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified. Multiple levels of switching available as specified.
- LABELS** U.L. Listed. Suitable for damp locations.



**PHOTOMETRIC DATA**

**HBI201-3-4M-SR-E5H**

TEST NO.=LA-T1184  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=3  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	4324	4324	4324
5	4178	4316	4097
15	3989	3940	3549
25	3775	3162	2950
35	3278	2773	3047
45	2607	2532	2963
55	1886	2286	2642
65	1303	1768	1962
75	764	1208	1491
85	336	660	829
90	33	43	25
95	20	22	11
105	77	44	21
115	191	95	80
125	369	148	142
135	603	215	178
145	834	352	216
155	1034	603	433
165	1249	925	719
175	1334	1202	1081
180	1104	1104	1104

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	3007	20.0	21.5
0-40	4871	32.5	34.8
0-60	8970	59.8	64.1
0-90	12411	82.7	88.7
90-120	189	1.3	1.3
90-150	879	5.9	6.3
90-180	1574	10.5	11.3
0-180	13984	93.2	100.0

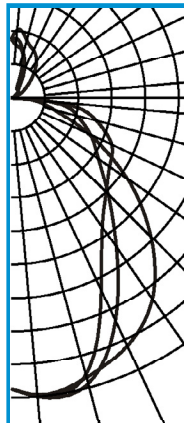
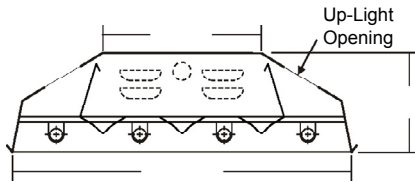
Lumen Output = 13984 lumens  
 Luminaire Efficiency = 93.2%

**SPACING CRITERION**

ALONG	ACROSS
1.21	0.95

**HBI201-4-4M-SR-E5H**

TEST NO.=LA-T0791  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=4  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	6468	6468	6468
5	6623	6667	6632
15	6439	6581	6377
25	6076	5458	4708
35	5118	4054	3511
45	4372	3031	2973
55	3141	2356	2655
65	1881	1936	2452
75	983	1509	1952
85	431	837	1016
90	39	49	25
95	23	25	7
105	90	42	13
115	220	101	59
125	409	156	135
135	675	209	217
145	976	336	230
155	1165	697	375
165	1322	1041	991
175	1513	1325	1184
180	1292	1292	1292

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	4986	24.9	26.8
0-40	7666	38.3	41.2
0-60	12619	63.1	67.9
0-90	16878	84.4	90.8
90-120	196	1.0	1.1
90-150	936	4.7	5.0
90-180	1714	8.6	9.2
0-180	18592	93.0	100.0

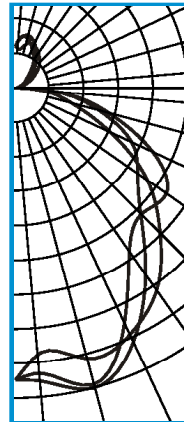
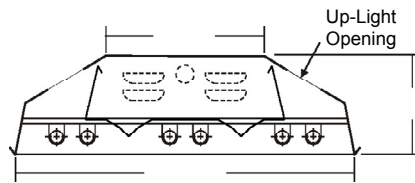
Lumen Output = 18592 lumens  
 Luminaire Efficiency = 93.0%

**SPACING CRITERION**

ALONG	ACROSS
1.31	1.00

**HBI201-6-4M-SR-E5H**

TEST NO.=LA-T0792  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=6  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	7912	7912	7912
5	7227	7977	7765
15	7597	8398	8297
25	7339	7537	6949
35	6637	6096	5338
45	5488	4743	4815
55	4303	4004	4961
65	2773	3426	4042
75	1540	2292	2557
85	367	966	1032
90	70	66	39
95	39	40	15
105	176	100	44
115	393	233	174
125	648	398	321
135	907	690	495
145	1087	972	834
155	1237	1251	1092
165	1235	1440	1342
175	1041	1322	1345
180	1124	1124	1124

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	6454	21.5	23.5
0-40	10249	34.2	37.4
0-60	17954	59.8	65.5
0-90	24389	81.3	89.0
90-120	411	1.4	1.5
90-150	1953	6.5	7.1
90-180	3018	10.1	11.0
0-180	27407	91.4	100.0

Lumen Output = 27407 lumens  
 Luminaire Efficiency = 91.4%

**SPACING CRITERION**

ALONG	ACROSS
1.30	1.15

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