LITHONIA LIGHTING®

LED High Bay

IBG

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal one-for-one replacement of conventional HID and fluorescent high bay systems. Applications include warehousing, manufacturing, gymnasiums, and other large indoor spaces with mounting heights up to 60'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.

CONSTRUCTION — Structural elements such as the channel and end caps are fabricated from steel for maximum rigidity. Wireguard attachment points provided. For high ambient (HA) option, lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 ° C for maximum naturally convective cooling.

OPTICS — General, narrow, wide and focus distributions available to meet both horizontal and vertical light level requirements. Injection molded refractors for repeatable photometry. Diffuse lens standard to provide glare control and LED protection. Optics are IP5X rated.

ELECTRICAL — L88 at 60,000 hours, L70>100,000 hours. Utilizes a 90°C case temperature driver for maximum life at high temperatures. 0.90 power factor. Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015. Luminaire Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015, optional. Available as 120-277V or 347-480V input.

0-10V dimming standard for a dimming range of 100% to 10%.

WIRELESS NETWORKING — nLight® AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. Integrated smart sensors or dimming and switching modules must be part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes this a great solution for any application.

INSTALLATION — Suitable for suspension by chain, cable, surface-mounting bracket (THUN accessory), hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket. To maintain ambient listing, fixture should be mounted at a minimum plenum height of 18".

LISTINGS — CSA certified to US and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 113°F (45°C) when suspended 18" from ceiling. High ambient option available (HA), suitable for ambient temperatures -40°F (-40°C) to131°F (55°C) when suspended 18" from ceiling. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands is under license. Other trademarks and trade names are those of their respective owners.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number	DLC QPL Product ID	DLC Premium?
IBG 12000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 12L MVOLT	PAMMN2VX	√
IBG 15000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 15L MVOLT	P3G6HADN	√
IBG 18000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 18L MVOLT	P851GVEP	√
IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 24L MVOLT	PZBJQY5S	√
IBG 12000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 12L HVOLT	PQ5BU878	√
IBG 15000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 15L HVOLT	PSWUYJP8	√
IBG 18000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 18L HVOLT	PRVPPS9D	√
IBG 24000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 24L HVOLT	P2UE1ZS4	√
IBG 12000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 12L MVOLT 5K	P7TZZ4ZV	√
IBG 15000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 15L MVOLT 5K	PMXBGZJS	√
IBG 18000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 18L MVOLT 5K	P85EZXU7	√
IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 24L MVOLT 5K	PQ5CSK48	√
IBG 12000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 12L HVOLT 5K	PFRXRQKT	√
IBG 15000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 15L HVOLT 5K	PV4M2BP5	√
IBG 18000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 18L HVOLT 5K	PA36YXUT	√
IBG 24000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 24L HVOLT 5K	P5H22E5M	√

ᴄⱾA⁺ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

IBG LED High Bay

A+ Capable options indicated by this color background.

Series	Nominal lumens			Performance package		Lens		Distribution		Voltage		Driver		Color temperature	
IBG	8000LM	8,000 lumens[2]	30000LM 30,000 lumens	SEF	Standard efficiency	AFL	Acrylic, frosted	WD	Wide	MVOLT	120-277V	GZ10	0-10V dimming[7]	30K	3000 K
IBGN[1]	12000LM	12,000 lumens	36000LM 36,000 lumens	HEF	Premium efficiency	ACL	Clear acrylic	GND	General	HVOLT	347-480V[3]	AZ10	0-10V dimming, aux. output[8]	35K	3500 K
	15000LM	15,000 lumens	48000LM 48,000 lumens			PCL	Clear polycarbonate	ND	Narrow	120	120V			40K	4000 K
	18000LM	18,000 lumens	60000LM 60,000 lumens			PFL	Semi-diffuse polycarbonate	FD	Focus	208	208V			50K	5000 K
	24000LM	24,000 lumens				L/LENS	Less lens			240	240V				
										277	277V				
										347	347V[4,5]				
										480	480V[4,5,6]				

Coloring rendering index		Options		Finish	
70CRI 70 CRI		HA	High ambient[9]	DNA	Natural aluminum
80CRI 80 CRI		SPD	Surge protection device[10]	DWH	Gloss white
90CRI 90 CRI		BPK	Fixture backpack[11]		

Options

HA	High ambient[9]
SPD	Surge protection device[10]
BPK	Fixture backpack[11]
PS1050	Emergency battery pack 10W, CA Title 20 Noncompliant [12]
PS10250	Emergency battery pack 10W, Title 20 Noncompliant [13]
PS10250BC	Emergency battery pack 10W, Certified in CA Title 20 MAEDBS [13]
PS30250	Emergency battery pack, 30W, Title 20 Noncompliant [14]
BGTD	Generator transfer device[15]
SF	Single fuse[16]
DF	Double fuse[17]
OUTCTR	Wiring leads pulled through back center of fixture[18]
OCS	RELOC® OnePass® selectable cable 6' installed [20, 21]
OCU__	RELOC® OnePass® unselectable cable 6' installed (must specify tap position)[19,21]
IMP	Integrated modular plug [22]
RRL_	RELOC®-Ready luminaire. (Not available with Haleon sensor options) See page 11 for ordering information
WGX	Standard wire guard, installed (not available with Haleon sensor)

Cord sets:

CS1W	Straight plug, 120V[19]
CS3W	Twist-lock, 120V[19]
CS7W	Straight plug, 277V[19]
CS11W	Twist-lock, 277V[19]
CS25W	Twist-lock, 347V[19]
CS97W	Twist-lock, 480V[19]
CS93W	600 SO white cord, no plug (no voltage required)
CS93W4C	600V SO 4 - conductor white cord, no plug (for use when unswitched hot is required for battery pack)
CS93W5CD	600 SO 5-conductor white cord, no plug (no voltage required)

Individual Controls: [23]

HLN360	Haleon 360° High Mount Occ Sensor, pre-wired; Bluetooth® [24]
HLN360HL	Haleon 360° High Mount Occ Sensor w/HL Default, pre-wired; Bluetooth® [24]
HLN360ADC	Haleon 360° High Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth® [24]
HLN360ANL	Haleon 360° High Mount Occ Sensor w/ANL Default, pre-wired; Bluetooth® [24]
HLNASL	Haleon High Mount Aisleway Occ Sensor, pre-wired; Bluetooth® [24]
HLNASLHL	Haleon High Mount Aisleway Occ Sensor w/HL Default, pre-wired; Bluetooth® [24]
HLNASLADC	Haleon High Mount Aisleway Occ Sensor w/ADC Default, pre-wired; Bluetooth® [24]
HLNASLANL	Haleon High Mount Aisleway Occ Sensor w/ANL Default, pre-wired; Bluetooth® [24]
LA0ZU	360° high mount motion sensor, pre-wired [25]
LAH0SZU	360° high mount motion sensor with dimming, pre-wired [25]
LAPZU	360° high mount motion sensor with photocell, pre-wired [25]
LAM0SZU	360° high mount motion sensor, dimming & switching photocell, pre-wired [25]
C6D0SUEM	360° high mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) [26,27]
C10D0SUEM	360° low mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) [26,28]

nLight wired: [29]

nPP16D	nLight® dimming & switching module
nPP16DER	nLight® dimming & switching module with emergency relay (not available with battery pack or BGTD)
nMSI	nLight® high mount aisleway motion sensor, pre-wired [30]
nMSI360	nLight® 360° high mount motion sensor, pre-wired [31]
nMSID	nLight® high mount aisleway motion sensor with dimming, pre-wired [32]
nMSI360D	nLight® 360° high mount motion sensor with dimming, pre-wired [33]

nLight wireless:

NLTAIR2 RKOA	nLight AIR Generation 2 enabled 360°high mount motion sensor
NLTAIR2 RKOB	nLight AIR Generation 2 enabled 360° low mount motion sensor
NLTAIR2 rPP20D	nLight AIR Generation 2 dimming and switching module [34]
NLTAIR2 rPP20DER	nLight AIR Generation 2 dimming and switching module with emergency relay (not available with battery pack or BGTD) [34]

X-Point wireless:

MSI6XADL DSCXADL	XPoint™ Wireless 360° high mount motion sensor with photocell
XPW	XPoint™ Wireless 0-10V relay, external (utilizes XPA CMRB0) 55℃ max ambient
XAD	XPoint™ Wireless 0-10V relay, internal, lower max ambient (not available with Haleon sensor) [33]
XPWEM	XPoint™ Wireless 0-10V relay, external (utilizes XPACMRB0EM) 55℃ max ambient, meets UL924 (not available with battery pack or BGTD)
XAD924	XPoint™ Wireless 0-10V relay, internal, lower max ambient, meets UL924 (not available with battery pack or BGTD) [35]

LITHONIA LIGHTING®

IBG

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Accessories: *Order as separate catalog number.*

Mounting:

IBAC120 M100	Aircraft cable 10' with hook (one pair)
IBAC240 M75	Aircraft cable 20' with hook (one pair)
IBHMP	Hook monopoint
HBBS36	Chain hanger with chain, 36" (one pair)
IBGACVH	Aircraft 10' V hanger (one pair)
IBGPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option, not available with BPK option
THUN	Tong hanger bracket (order 2 per fixture) [36]

Cord sets and sensors for IMP option:

CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock 347V
CS93WIMP	600V SO white cord, no plug (no voltage required)
CS97WIMP	Twist-lock 480V
MSIIMPIBG	Aisle sensor for use with IMP option
MSI360IMPIBG	360° sensor for use with IMP option

Wire guards (not available with Haleon sensor):

WGIBG22	Wire guard for IBG 8000LM; gloss white
WGIBG24	Wire guard for IBG 12000/15000LM; gloss white
WGIBG26	Wire guard for IBG 18000/24000/30000LM; gloss white
WGIBG42	Wire guard for all IBGN lumen packages; gloss white
WGIBG46	Wire guard for IBG 36000/48000/60000LM; gloss white
WGIBG22DNA	Wire guard for IBG 8000LM; natural aluminum
WGIBG24DNA	Wire guard for IBG 12000/15000LM; natural aluminum
WGIBG26DNA	Wire guard for IBG 18000/24000/30000LM; natural aluminum
WGIBG42DNA	Wire guard for all IBGN lumen packages; natural aluminum
WGIBG46DNA	Wire guard for IBG 36000/48000/60000LM; natural aluminum

1. Available with 18000LM, 24000LM, 30000LM and 36000LM only.
2. 8,000LM not available with HVOLT, 347, 480, or Haleon sensor controls.
3. Not available with 8000LM. Not available with BTGD, nPP16D, nPP16DER, PS1050, PS10250, PS30250, NLTAIR2 RPP20D, NLTAIR2 RPP20DER or XAD options.
4. When ordered with 8000LM or Xpoint controls voltage selected utilizes the fixture back pack.
5. Not available with NLTAIR2 RPP20D and NLTAIR2 RPP20DER options.
6. Not available with nPP16D or nPP16DER.
7. Not available with Haleon sensor control options.
8. Required with Haleon sensor control options.
9. 55 C when suspended, 45 C when surface mounted. Not available with BGTD, PS1050, PS10250, PS30250 or XAD.
10. Standard with HVOLT, 347, or 480V - only specify for MVOLT, 120, 208, 240, or 277V when additional surge protection is needed. Standard with Motion sensors/ controls, BGTD & Power Sentry battery options.
11. Required with PS1050, PS10250, PS30250, BGTD. Required with 8000LM when ordered with 347/480V. Required with Xpoint controls when ordered with 347/480V. Not available with nLight. Not for use with THUN mount (surface).
12. Requires BPK option. Available 120-277V only. Available with 8000LM only. Not available with IMP. See spec sheet PS1050 for more information. For use in ambient temperatures 32° F to 113° F.
13. Requires BPK option. Available 120-277V only. Not available with 8000LM. Not available with IMP. Only available for factory installation. See spec sheet PS10250 for more information. For use in ambient temperatures 50°F to 113° F.
14. Requires BPK option. 120 or 277V only. Not available with 8000LM. Not available with IMP. See spec sheet PS30250 for more information. For use in ambient temperatures 32°F to 112°F.
15. Requires BPK option. 120 or 277V only. Not available with PS1050, PS10250, PS30250 or HA. Not available with 347 or 480V when ordered in combination with XAD or XPW. For ambient temperatures up to 104°F (40°C).
16. Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
17. Available on 208, 240, 480V and Haleon sensors. Not available with MVOLT or HVOLT.
18. Not available with BPK option. Requires IBGPMPHB accessory to mount fixture. Not available with Cord Set options.
19. Must specify voltage.
20. Cannot be used in dimming applications, must use RRLC12S.
21. Fixture will bear dry location label.
22. Not available with BPK, nPP16D, nPP16DER, nMSI, nMSI360, PS1050, PS10250, or PS30250.
23. Must specify voltage. Refer to page 7 for Haleon sensor default settings matrix. Refer to page 9 for additional LSXR ordering options. Refer to page 10 for additional C6D0SUEM and C10D0SUEM information.
24. RRL option not available. Not available with OUTCTR.
25. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 9 for low temperature option providing -4°F (-20°C) minimum ambient temperature.
26. Daylight harvesting functionality not enabled by default. See page 10 for default sequence of operation.
27. Utilizes XPA CMRB6.
28. Utilizes XPA CMRB10.
29. Not available with 208, 240, or 480V. Not available with HA option.
30. nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included.
31. nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included.
32. nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included.
33. nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included.
34. NLTAIR2 RPP20D and NLTAIR2 RPP20DER not available with BPK, battery pack options, BGTD, 347, or 480V. Not available with HA.
35. Not available with HVOLT. When ordered with 347V or 480V, BPK option is required. Not available with HA option.
36. Maximum ambient temperature of standard fixture mounted with THUN is 95°F (35°C). With HA option 113°F (45°C). Not available with MSIIMPIBG or MSI360IMPIBG options.

POWER SENTRY EMERGENCY BATTERY PACKS

PS1050:	http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf
PS10250:	http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf
PS30250:	http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf

EMERGENCY LUMENS AFL GND (5000K 70CRI)

Delivered lumens calculation provided on battery spec sheet does not represent emergency lumen output on IBG product. Forward voltage does not match constant current design in all cases. See chart below for IBG lumen output in emergency mode.

Fixture	IBG			IBGN
Lumen package	8000LM (PS1050 only)	12000LM - 15000LM	18000LM - 60000LM	18000LM - 36000LM
PS1050/PS10250	1600	1300	1900	1200
PS30250	N/A	4000	2400	3800

Note: For emergency lumen output of specific model, please consult factory.