YOUR COMPANY
1800 75th Avenue NW
Suite 1000
Atlanta, GA 30303
404-555-1212

Submittal Package

Original for Approval

NORTH CONVENTION CENTER

23-0599S

Bid Date
9/25/2023

Prepared For
Lighting Wholesale
5000 Peachtree Industrial Blvd
Suite 750
Norcross, GA 30071

Created By
James Smith

YOUR COMPANY LOGO

Project: NORTH CONVENTION CENTER

9/25/2023

To: Lighting Wholesale
5000 Peachtree Industrial Blvd
Suite 750
Norcross, GA 30071

Bill of Materials

Click line item to go to spec sheet.

#	Qty	Type	Mfg	Description
				PHASE 1
1	10	AA	Lithonia Lighting	LQMSW3RMVOLTELNSD
2	10	AA	Lithonia Lighting	LQMSW3R120/77ELN
3	15	AA	Lithonia Lighting	IBG24000LMSEFAFLGNDMVOLTGZ1040K80CRIDWH CURRENTLY BACKORDERED
4	20	AA	Lithonia Lighting	2ESL4RE44LMVOLTEZ1LP830
5	25	BB	GE LIGHTING	EALP031SM730NAD1-GRAY
6	25	BB	GE LIGHTING	EFMH01BB77730-GRAY
				PHASE 2
7	1		Cooper Lighting	MRI-R6DNLT/RPS-35-18-W / MRI-R6DNLT/RPS-RPS2/10-UNV / MRI-R6DNLT/RPS-RFFILTER30A
8	1	B	Cooper Lighting	GL13-APD-1-4-70LA-6435-NW-120-BRP-LF
9	1	B	Cooper Lighting	GALN-SA4C-740-U-T4FT PLEASE ADVISE FINISH

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** LQMSW3RMVOLTELNSD	**Line Item#:** 1 Go to Bill of Materials **Type:** AA Powered by 4submittal.com

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring attractive, quick-installation exit signs and low energy consumption. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant, and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Rugged unibody housing snaps together with no additional mechanical fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet easily removable for lamp compartment access.

Universal directional Chevron inserts are easily removed and reinserted. Uniform illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke, with 100 ft. viewing distance rating, based upon UL924 standards.

U.S. Patent No. 5,526,251; 5,611,163; 5,739,639; 5,954,423; 5,988,825; 6,152,581; D383,501 ; D495,751 and 6,502,044. Other patents pending.

OPTICS — LEDs mounted on printed circuit boards. Low energy consumption – less than one watt. LED lamp operates in normal (AC input) and emergency (DC input) modes.

The typical life of the exit LED lamp is 10 years.

ELECTRICAL — Dual voltage input capability (120/277V) and 120V through 277V for MVOLT with SD.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage battery. Conveniently located test switch and LED provide visual and manual means of monitoring system.

Constant-current series charger minimizes energy consumption and provides low operating costs. Printed circuit boards are 100% quality tested during manufacturing. Current-limiting charger circuitry protects printed circuit boards from shorts.

AC/LV reset (line latch) allows battery connection before AC power is applied and aids in preventing battery damage from deep discharge.

Crystal oscillator timing system with watchdog protection for precision accuracy.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80% of nominal.

Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90-minutes capacity to emergency lamps. Two-state constant-current charge maximizes battery life and automatically recharges after battery discharge.

Diagnostics: Single-point microcomputer control for all electronic features.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

SELF-DIAGNOSTICS (SD and AELR option):
Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.Self-diagnostic testing for five minutes every 30 days and 90 minutes every six months.

Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

AELR option: STAR (Self-testing Automated Reporting) radio transmits monthly and annual test results and diagnostics information for automated reporting requirements.
For more information visit AcuityBrands.com/STAR

INSTALLATION — Universal mounting canopy for top or end mount. Back mount standard for single face only. Easily removed mounting knockouts. J-box pattern on back panel. Housing snaps to canopy with four positive-locking tabs. Cam-locking pin tightly secures housing to canopy.

Ships standard with additional face plate.

star SELF-TESTING AUTOMATED REPORTING

QUANTUM®

Thermoplastic Exits

LQM

LED LAMPS

CERTIFIED IN TITLE 20 †

LED

Specifications

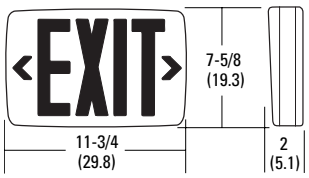
Length: 11-3/4 (29.8)

Depth: 2 (5.1)

Height: 7-5/8 (19.3)

Weight: 2.6 lbs (1.2 kgs)

All dimensions are inches (centimeters) unless otherwise specified.



LISTINGS — UL damp location listed 50°-104°F (10°-40°C) standard. NOM Certified (see options). Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

WARRANTY — 5-year limited warranty. (Battery is prorated.) This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

CS CONTRACTOR SELECT™ Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com

Example: LQM S W 3 R 120/277 EL N
Example: LQM S W 3 R MVOLT EL N SD
Example: LQM S W 3 R MVOLT EL N SD AELR

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options.**

LQM	S	W	3	R	MVOLT	EL N	SD
Family	**Face type**	**Housing color**	**Number of faces**	**Letter color**	**Input voltage**	**Operation**	**Options**
LQM[1]	**S** Stencil	**(blank)** Black	**3** Single face with extra faceplate and color panel	**R** Red	**120/277** Dual voltage	**(blank)** AC only	**(blank)** None
		W White		**G** Green	**MVOLT** Multi volt 120-277, 50/60hz[2]	**X2** Primary and secondary AC inputs provided[3]	NOM Nom certified for Mexico[4]
						EL N Nickel cadmium battery	SD Self-diagnostics[5]
							AELR Automatic Emergency Lighting Reporting[6]

Accessories: Order as separate item.			
ELA WG1	Back-mount wireguard[7]	ELA LQMUS12	12" stem kit[8]

Notes
1 LQM available with Custom Signage. See spec sheet, Custom-Signage.
2 Only available with EL N SD. See Example for ordering.
3 Not available with other options. Both circuits can be energized at the same time.
4 Available with stencil face and white housing only. Not available with MVOLT EL N SD configuration.
5 Only available with MVOLT and EL N operation. See Example for ordering.
6 Only available with MVOLT EL N SD. AELR transmits monthly and annual test results and diagnostics information for automated reporting requirements.
7 See spec sheet ELA-WG.
8 See spec sheet ELA-Stemkits.

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** LQMSW3RMVOLTELNSD	**Line Item#:** 1 Go to Bill of Materials **Type:** AA Powered by 4submittal.com

LQM LED, Quantum®

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type[1]	Typical LED life[2]	Supply voltage	Input watts	Max. amps
Red LED AC Only	10 years	120	.62	.05
		277	.69	.06
Green LED AC Only	10 years	120	.62	.05
		277	.74	.06
Red LED Emergency	10 years	120	.71	.05
		277	.92	.06
Green LED Emergency	10 years	120	.66	.05
		277	.70	.06

BATTERY

Nickel Cadmium

Voltage	Typical shelf life[3]	Typical life[3]	Maintenance[4]	Temperature range[5]
1.2	3 years	6-8 years	none	50°F - 104°F (10°C - 40°C)

Notes

1 LED lamps operate in normal (AC input) and emergency (DC input) modes.

2 Based on continuous operation. The typical life of the exit LED lamp is 10 years.

3 At 77°F (25°C).

4 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

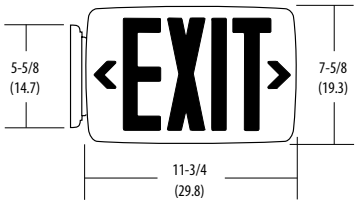
5 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

MOUNTING

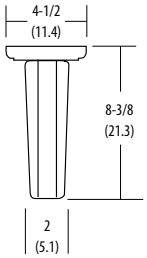
All dimensions are inches (centimeters) unless otherwise specified.

Shipping weight: 2.6 lbs. (1.2 kgs.)

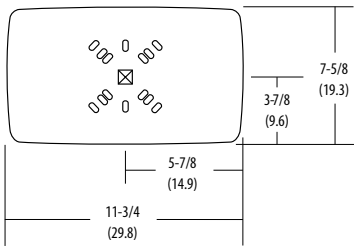
End Mounting



Top Mounting



Back Mounting



YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** LQMSW3R120/77ELN	**Line Item#:** 2 Go to Bill of Materials **Type:** AA Powered by 4submittal.com

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring attractive, quick-installation exit signs and low energy consumption. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant, and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Rugged unibody housing snaps together with no additional mechanical fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet easily removable for lamp compartment access.

Universal directional Chevron inserts are easily removed and reinserted. Uniform illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke, with 100 ft. viewing distance rating, based upon UL924 standards.

U.S. Patent No. 5,526,251; 5,611,163; 5,739,639; 5,954,423; 5,988,825; 6,152,581; D383,501 ; D495,751 and 6,502,044. Other patents pending.

OPTICS — LEDs mounted on printed circuit boards. Low energy consumption – less than one watt. LED lamp operates in normal (AC input) and emergency (DC input) modes.

The typical life of the exit LED lamp is 10 years.

ELECTRICAL — Dual voltage input capability (120/277V) and 120V through 277V for MVOLT with SD.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage battery. Conveniently located test switch and LED provide visual and manual means of monitoring system.

Constant-current series charger minimizes energy consumption and provides low operating costs. Printed circuit boards are 100% quality tested during manufacturing. Current-limiting charger circuitry protects printed circuit boards from shorts.

AC/LV reset (line latch) allows battery connection before AC power is applied and aids in preventing battery damage from deep discharge.

Crystal oscillator timing system with watchdog protection for precision accuracy.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80% of nominal.

Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90-minutes capacity to emergency lamps. Two-state constant-current charge maximizes battery life and automatically recharges after battery discharge.

Diagnostics: Single-point microcomputer control for all electronic features.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

SELF-DIAGNOSTICS (SD and AELR option):
Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.Self-diagnostic testing for five minutes every 30 days and 90 minutes every six months.

Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

AELR option: STAR (Self-testing Automated Reporting) radio transmits monthly and annual test results and diagnostics information for automated reporting requirements.
For more information visit AcuityBrands.com/STAR

INSTALLATION — Universal mounting canopy for top or end mount. Back mount standard for single face only. Easily removed mounting knockouts. J-box pattern on back panel. Housing snaps to canopy with four positive-locking tabs. Cam-locking pin tightly secures housing to canopy.

Ships standard with additional face plate.

star SELF-TESTING AUTOMATED REPORTING

QUANTUM®

Thermoplastic Exits

LQM

LED LAMPS

CERTIFIED IN TITLE 20 †

LED

Specifications

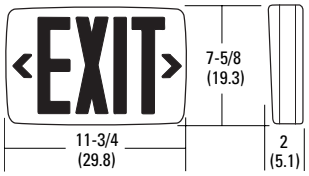
Length: 11-3/4 (29.8)

Depth: 2 (5.1)

Height: 7-5/8 (19.3)

Weight: 2.6 lbs (1.2 kgs)

All dimensions are inches (centimeters) unless otherwise specified.



LISTINGS — UL damp location listed 50°-104°F (10°-40°C) standard. NOM Certified (see options). Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

WARRANTY — 5-year limited warranty. (Battery is prorated.) This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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Specifications subject to change without notice.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

CS CONTRACTOR SELECT™ Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com

Example: LQM S W 3 R 120/277 EL N
Example: LQM S W 3 R MVOLT EL N SD
Example: LQM S W 3 R MVOLT EL N SD AELR

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options.**

LQM	S	W	3	R	120/277	EL N	
Family	**Face type**	**Housing color**	**Number of faces**	**Letter color**	**Input voltage**	**Operation**	**Options**
LQM[1]	**S** Stencil	**(blank)** Black	**3** Single face with extra faceplate and color panel	**R** Red	**120/277** Dual voltage	**(blank)** AC only	**(blank)** None
		W White		**G** Green	**MVOLT** Multi volt 120-277, 50/60hz[2]	**X2** Primary and secondary AC inputs provided[3]	NOM NOM certified for Mexico[4]
						EL N Nickel cadmium battery	SD Self-diagnostics[5]
							AELR Automatic Emergency Lighting Reporting[6]

Accessories: Order as separate item.

ELA WG1 Back-mount wireguard[7] | ELA LQMUS12 12" stem kit[8]

Notes
1 LQM available with Custom Signage. See spec sheet, Custom-Signage.
2 Only available with EL N SD. See Example for ordering.
3 Not available with other options. Both circuits can be energized at the same time.
4 Available with stencil face and white housing only. Not available with MVOLT EL N SD configuration.
5 Only available with MVOLT and EL N operation. See Example for ordering.
6 Only available with MVOLT EL N SD. AELR transmits monthly and annual test results and diagnostics information for automated reporting requirements.
7 See spec sheet ELA-WG.
8 See spec sheet ELA-Stemkits.

LQM LED, Quantum®

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type[1]	Typical LED life[2]	Supply voltage	Input watts	Max. amps
Red LED AC Only	10 years	120	.62	.05
		277	.69	.06
Green LED AC Only	10 years	120	.62	.05
		277	.74	.06
Red LED Emergency	10 years	120	.71	.05
		277	.92	.06
Green LED Emergency	10 years	120	.66	.05
		277	.70	.06

BATTERY

Nickel Cadmium

Voltage	Typical shelf life[3]	Typical life[3]	Maintenance[4]	Temperature range[5]
1.2	3 years	6-8 years	none	50°F - 104°F (10°C - 40°C)

Notes

1 LED lamps operate in normal (AC input) and emergency (DC input) modes.

2 Based on continuous operation. The typical life of the exit LED lamp is 10 years.

3 At 77°F (25°C).

4 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

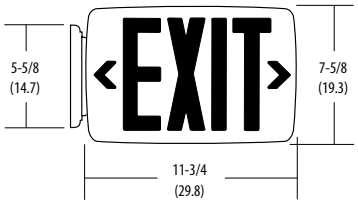
5 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

MOUNTING

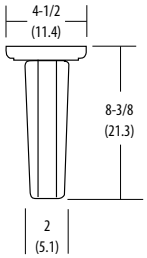
All dimensions are inches (centimeters) unless otherwise specified.

Shipping weight: 2.6 lbs. (1.2 kgs.)

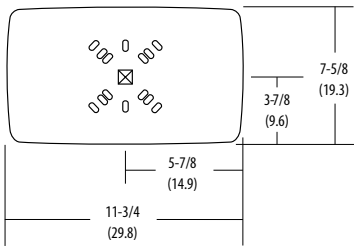
End Mounting



Top Mounting



Back Mounting



YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** IBG24000LMSEFAFLGNDMVOLTGZ1040K80CRIDWH **Note:** CURRENTLY BACKORDERED	**Line Item#:** 3 Go to Bill of Materials **Type:** AA Powered by 4submittal.com

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

T-BEAM® LED

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, IK ratings page 8. Wireguard attachment points provided. Lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 ° C for maximum naturally convective cooling. Optional rotatable outer light modules available when ROTO option is specified, see page 4 for additional details.

OPTICS — General, narrow, wide and aisle distributions available to meet both horizontal and vertical light level requirements. Diffuse lens standard to provide glare control and LED protection. Optics are IP5X rated.

Patent-pending Acuity-exclusive Fresnel pattern molded into lens for crisp distributions and interchangeability in the field.

ELECTRICAL — L92 at 60,000 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 when using compatible surface mount bracket (THUN accessory ordered separately), and hook monopoint or single (pendant) mount. 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 131°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.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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 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	√

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

A+ 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 when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

IBG LED High Bay

DIGITAL NAVIGATION | Home | Ordering | nLight Platform | Controls | Operational Data

Design Select options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH

Series	Lumen package	Performance package	Lens	Distribution	Voltage	Driver	Color temperature	Coloring rendering index
IBG	8000LM 8,000 lumens ‡	SEF Standard efficiency	AFL Acrylic, frosted	GND General	MVOLT 120-277V	GZ10 0-10V dimming	35K 3500 K	70CRI 70 CRI
	12000LM 12,000 lumens	HEF Premium efficiency	ACL Clear acrylic	3ND Ultra narrow ‡	HVOLT 347-480V ‡		40K 4000 K	80CRI 80 CRI
	15000LM 15,000 lumens		PCL Clear polycarbonate		120 120V		50K 5000 K	90CRI 90 CRI ‡
	18000LM 18,000 lumens		PFL Semi-diffuse polycarbonate		208 208V			
	24000LM 24,000 lumens		L/LENS Less lens ‡		240 240V			
	30000LM 30,000 lumens		ATL Acrylic textured lens	ND Narrow	277 277V			
	36000LM 36,000 lumens ‡		PTL Polycarbonate textured lens	WD Wide	347 347V ‡			
	48000LM 48,000 lumens ‡			ADL Rack	480 480V ‡			
	60000LM 60,000 lumens ‡							
	72000LM 72,000 lumens ‡							

Options

BAA Buy America(n) Act Compliant

Emergency batteries ‡

- E10WCP 10W emergency battery pack, Certified in CA Title 20 MAEDBS ‡
- IE20WCPHE Iota 20W emergency battery pack, Certified in CA Title 20 MAEDBS ‡
- IE30WCPHE Iota 30W emergency battery pack, Certified in CA Title 20 MAEDBS ‡

- SPD Surge protection device ‡
- ETS Generator transfer device ‡
- SF Single fuse ‡
- DF Double fuse ‡
- OUTCTR Wiring leads pulled through back center of fixture ‡
- OCS RELOC® OnePass® selectable cable 6' installed ‡
- OCS4C RELOC® One Pass® selectable cable 6' installed. ‡
- OCU__ RELOC® OnePass® unselectable cable 6' installed (must specify tap position) ‡
- IMP Integrated modular plug ‡
- RRL_ RELOC®-Ready luminaire. (Not available with Haleon sensor options) See page 16 for ordering information ‡
- WGX Standard wire guard, installed (not available with Haleon sensor)
- ROTO Rotateable optics ‡
- JP Job Pack Packaging (Consult table on page 11 for details)

Cord sets ‡

- CPSBW 6' white damp location cord with straight blade plug (voltage will match fixture, 120V or 277V only)
- CPTLW 6' white damp location cord with twist-lock plug (voltage will match fixture)
- CNPW 6' white cord, no plug
- CNP4CW 6' white cord with 4 conductors, no plug (for use when unswitched hot is required for battery pack)
- CNP5CW 6' white cord, 5 conductor, no plug, damp location
- CNP5CDW 6' white cord, 5 conductors (for bringing dimming leads out of fixture)

Individual Controls (LSXR): ‡

- LSXR6 360° integral high mount motion sensor with standard on/off operation (formerly LAOZU) LINK
- LSXR6 HL 360° integral high mount motion sensor with high/low/(Off) occupancy operation (formerly LAHOSZU) (For High/Low only, bypass relay)
- LSXR6 P 360° integral high mount motion sensor with On/Off switching photocell (formerly LAPZU)
- LSXR6 ADC 360° integral high mount motion sensor with On/Off occupancy operation with auto dimming photocell. (formerly LAMOSZU)
- LSXR6 ANL 360° integral high mount motion sensor with High/Low occupancy and auto dimming / off functionality due to photocell

*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For High Mount Aisleway sensors, replace "6" in nomenclature with "50".
Ex: LSXR10 ADC

Individual Controls with Bluetooth Programming (Haleon) ‡

- HLN45 OCC 360° integral high mount motion sensor; Bluetooth enabled LINK (formerly HLN360)
- HLN45 HL 360° integral high mount motion sensor with High/Low (Off) occupancy detection; Bluetooth enabled (formerly HLN360HL)
- HLN45 ADC 360° integral high mount motion sensor. High / Low / Off occupancy operation with photocell; Bluetooth enabled (formerly HLN360ADC)
- HLN45 ANL 360° integral high mount motion sensor with High/Low occupancy and auto dimming / off functionality due to photocell; Bluetooth enabled (formerly HLN360ANL)

*For integral Aisle Mount sensors, replace "45" in nomenclature with "45A".
Ex: HLN45A ADC

nLight Wired Network Controls

- NCMB6 nLight High Mount Occupancy Sensor with Dimming, pre-wired LINK (Includes dimming Power Pack) ‡
- NPP16 D nLight dimming & switching module LINK ‡

*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50".
Ex: NCMB50

nLight AIR Wireless Controls ‡

- NLTAIR2 RLSXR6 nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor
- NLTAIR2 RLSXR10 nLight AIR (wireless) gen 2 control device with low mount occupancy and daylight sensor
- NLTAIR2 RMSOD45 Embedded nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor LINK
- NLTAIR2 RIO nLight AIR (wireless) gen 2 control device (dimming & switching) LINK

*For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A".
Ex: NLTAIR2 RMSOD45A

**For guidance on which sensors to use with emergency generator power, consult table on page 9.

Finish

- DNA Natural aluminum
- DWH Gloss white
- MB Matte black

NOTE: ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, page 4. Options are sorted alphanumerically.

See Accessories and option value restrictions on next page

IBG LED High Bay

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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 backpack ‡
THUN	Tong hanger bracket (order 2 per fixture) ‡

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

*Base fixture must be ordered with IMP option when ordering this accessory.

Wire guards (gloss white*) - not available with Haleon sensor

	SEF Lumen Packages	HEF Lumen Packages
WGIBG22	8000LM, 12000LM, 15000LM	8000LM
WGIBG24	18000LM, 24000LM, 30000LM	12000LM, 15000LM
WGIBG26	36000M	18000LM, 24000LM, 30000LM, 36000LM
WGIBG44	48000LM, 60000LM	-
WGIBG46	72000LM	48000LM, 60000LM, 72000LM

*For DNA wire guards, add DNA to end of nomenclature. Ex: WGIBG26DNA

*For MB wire guards, add MB to end of nomenclature. Ex: WGIBG26MB

CORD SET ORDERING INFORMATION ‡

Cord sets cannot be ordered as accessories

Plug Option	Plug type	Amperage**	Gauge	# of conductors	Color	Location	Length
CNP Cord Only	(blank) No Plug Option (for Cord Only option)	(blank) 15 amps	(blank) 18 gauge standard	(blank) 3 conductors (blk/wht/grn)	(blank) Black	(blank) Damp Location	(blank) 6 feet
CP Cord with Plug	TL Locking Type	20A 20 amps		4C 4 conductors; Use with Battery option when unswitched hot is needed	W White		3FT 3 feet
	SB Straight blade*			5C 5 conductors; Use when fixture has 2 drivers and separate operation is required			10FT 10 feet
				5CD *** 5 conductors; Use with dimming driver when dimming leads are desired (Not for use with dimming sensors)			12FT 12 feet
							15FT 15 feet
							20FT 20 feet

* Not available wet location.
** Amperage is only configurable for cords with plugs
*** Not available with plugs.

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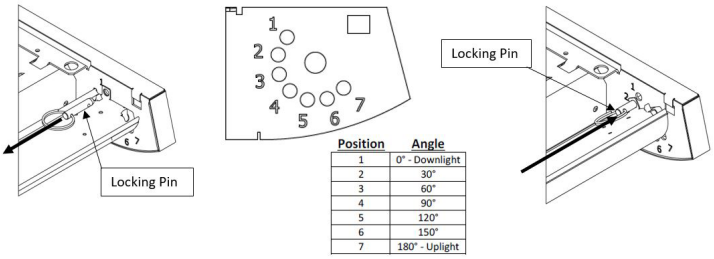
IBG LED High Bay

‡ Option Value Ordering Restrictions	
Option value	**Restriction**
347	Not available with ETS,nPP16 D, E10WCP, EM or ER sensor solutions.
36000LM	When ordering 347V or 480V with NLTAIR2 or Haleon, **fixture utilizes backpack adding 3.09" depth to fixture (see page 9 for line art).**
3ND	Available with ACL and L/Lens options only.
480	Not available with ETS,nPP16 D, E10WCP, EM or ER sensor solutions.
48000LM	When using IBGPMPHB, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.
60000LM	When using IBGPMPHB, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.
72000LM	When using IBGPMPHB, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.
8000LM	When ordering 347V or 480V with NLTAIR2 or Haleon option, **fixture utilizes backpack adding 3.09" depth to fixture (see page 9 for line art).**
90CRI	Only available with SEF. 90CRI configurations have longer lead times.
Cord sets	Must specify voltage on cord sets with plugs. Cords come standard out center back of fixture. Refer to cord set ordering table, page 3 for more configurations. Non-standard configurations have extended lead times. CNP5CW is not available with any sensors. CNP5CDW is not available with sensors that have dimming options.
DF	Available on 208, 240, 480V. Not available with MVOLT or HVOLT.
E10WCP	Only available with 8000LM. MVOLT only. Not available with IMP option. **Fixture utilizes backpack, adding 3.08" to fixture depth (see page 9 for line art).**
Emergency batteries	Not available with IMP option. Emergency batteries alter fixture construction, (see pg. 9 for batteries that use a backpack and line art) Not available with cords with plugs. Use CNP4CW or OCS4C when unswitched hot is required for batter pack options. Consult standard wiring detail on page 9.
ETS	MVOLT only. Not available with cord sets or batteries. When sensor is required, please use the ER sensor option (reference page 9). When ordered with 72000LM, fixture cannot be surface mounted (THUN brackets). Consult table on page 7 for max operating temperature. Utilizes ETS20 DR for 72000LM and ETS 924 DR for all others.
HVOLT	Not available with ETS,nPP16 D, E10WCP, EM or ER sensor solutions.
IBGPMPHB	When using with 48000LM, 60000LM, or 72000LM, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.
IE20WCPHE	Not available with 8000LM or IMP option. **Battery adds 2.8" depth to fixture (see page 9 for line art).**
IE30WCPHE	Not available with 8000LM or IMP option. **Battery adds 2.8" depth to fixture (see page 9 for line art).**
IMP	Must specify voltage. Not available with NLight wired sensors, batteries, or OUTCTR option. Fixture requires IMP power cord accessory. Not for use with THUN mounting accessory.
Individual controls (Haleon)	Refer to page 13 for Haleon sensor default settings matrix. When ordered with ER sensor, ETS is used. Not available with other controls. Low temperature (LT) option standard, do not call out.
Individual controls (LSXR)	Comes standard with SPD. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). When ordered with ER sensor, ETS is used. Not available with other controls. Refer to page 14 for additional LSXR ordering options. Not available with CNP5CW or CNP5CDW
NLTAIR2 RLSXR6, NLTAIR2 RLSXR10	Can be used as a normal power sensing device for nLight AIR devices and other luminaires with EM emergency options. May not be used for emergency operation if EM or ER options are added. See Emergency Operation Scenarios chart for more information.
L/LENS	Lens is always recommended.
NCMB6	Sensor wired via CAT5 to nPP16 D dimming power pack. CAT5e connector cable also included. Ships standard with SPD. Only available with 120, 277 or 347V. Not available with other controls.
nPP16 D	Not for use with THUN accessory. Ships standard with SPD. Only available with 120, 277, or 347V. Not available with IMP or nLight wireless options.
OCS	Must specify voltage. Fixture will bear dry location label. Not available with 208 or 240 volt. Order OCS10 for 10' cord. Consult standard wiring detail on page 9.
OCS4C	Fixture will bear a dry location label. Use when unswitched hot is required for battery pack options, consult standard wiring detail on page 9. Available with 120, 277 and 347 Volts only.
OCU_	Must specify voltage. When 0-10V dimming leads are required, use C12S option. C12S option is not availalble with dimming sensors. Fixture will bear dry location label.
OUTCTR	Not available with emergency batteries. Requires IBGPMPHB accessory to mount fixture. Not available with cord set, ETS and IMP options.
ROTO	Available with IBG 8000LM, 12000LM, 15000LM, 18000LM, 24000LM, 30000LM or 36000LM only.
RRL	When dimming leads are required use C12S option. Not for use with dimming sensors.
SF	Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
SPD	Standard with HVOLT, 347, 480, ETS, E10WCP, IE20WCPHE HVOLT, IE30WCPHE HVOLT, LSXR, NPP16 D, NPP16 D ER and RPP20 D EM options. Standard with 8000LM when ordered with Haleon and NLTAIR2. Only specify MVOLT, 120, 208, 240, or 277V when additional surge protection is needed.
THUN	Maximum ambient temperature of standard fixture mounted with THUN is 113°F (45°C). Not available with MSIIMPIBG, MSI360IMPIBG, NPP16 D options. Not available with 72000LM with ETS. Not for use with IMP option. Not for use with battery packs.

IBG LED High Bay

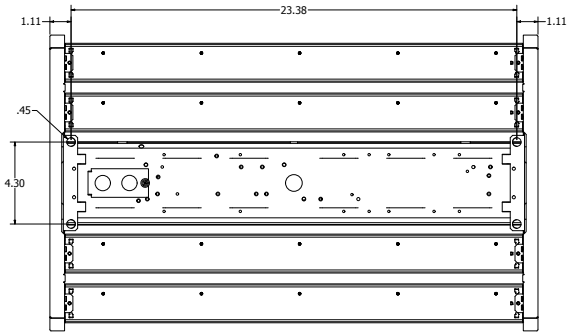
ROTATABLE OPTICS

- Rotate in 30° increments, 0° - 180°
- Create Custom Distributions
- 30° - light up rack
- 90° - wall wash
- 180° - Uplight



Position	Angle
1	0° - Downlight
2	30°
3	60°
4	90°
5	120°
6	150°
7	180° - Uplight

HANGER HOLE DIMENSIONS



IBG LED High Bay

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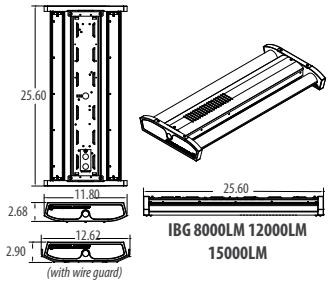
LINE ART AND DIMENSIONS

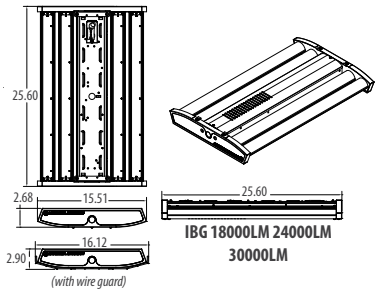
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

IBG SEF DIMENSIONS

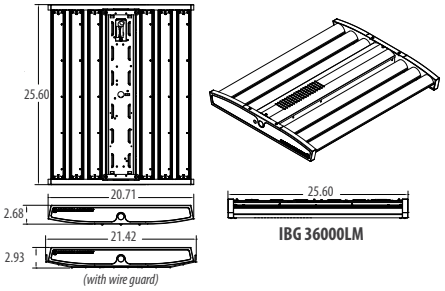
2', 2 Bar



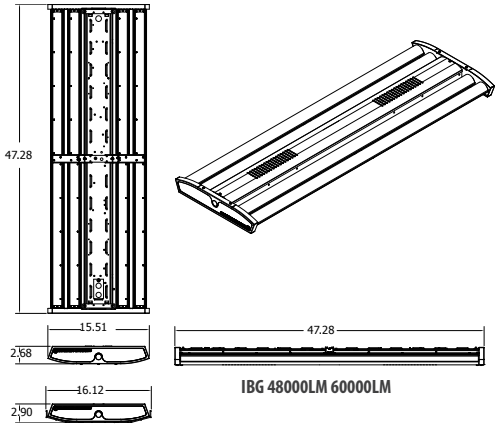
2', 4 Bar



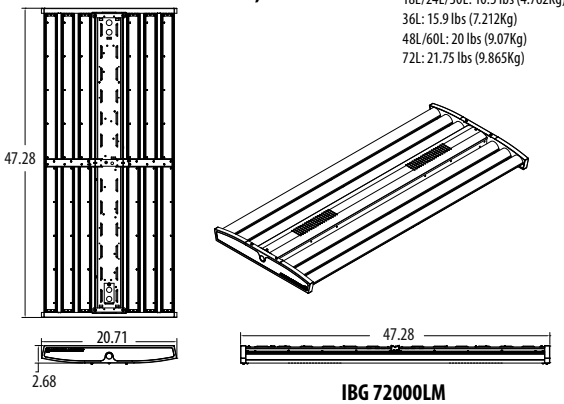
2', 6 Bar



4', 4 Bar



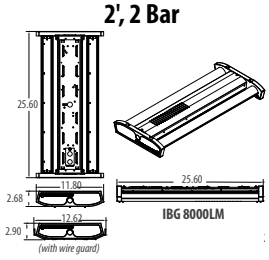
4', 6 Bar



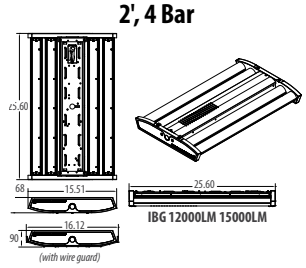
Weight: (may vary with options or accessories)
8L/12L/15L: 7.75 lbs (3.515Kg)
18L/24L/30L: 10.5 lbs (4.762Kg)
36L: 15.9 lbs (7.212Kg)
48L/60L: 20 lbs (9.07Kg)
72L: 21.75 lbs (9.865Kg)

IBG HEF DIMENSIONS

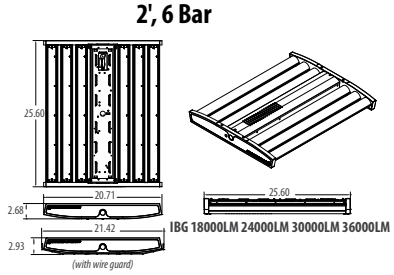
2', 2 Bar



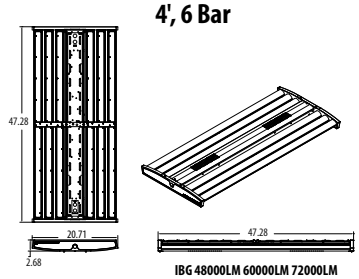
2', 4 Bar



2', 6 Bar



4', 6 Bar



Weight: (may vary with options or accessories)
8L: 7.75 lbs (3.515Kg)
12L/15L: 10.5 lbs (4.762Kg)
18L/24L/30L/36L: 15.9 lbs (7.212Kg)
48L/60L/72L: 4' - 6' Mod - 21.75 lbs (9.865Kg)

For dimensional changes with emergency batteries, see line art on page 9.

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IBG LED High Bay

IBG OPERATIONAL DATA

IBG SEF			AFL GND	
			Acrylic Frosted, General	
	Lumen Package	Wattage (277V)	Lumen Output	LPW
Delivered Lumens 4000K, 80CRI SEF	8000LM	48	7845	163
	12000LM	76	11856	156
	15000LM	93	14774	159
	18000LM	105	18531	176
	24000LM	144	24490	170
	30000LM	178	29586	166
	36000LM	218	35451	163
	48000LM	284	47261	166
	60000LM	357	59715	167
	72000LM	426	71168	167
Delivered Lumens 5000K, 80CRI SEF	8000LM	48	7970	165
	12000LM	76	12045	158
	15000LM	93	15010	161
	18000LM	105	18297	174
	24000LM	144	25046	174
	30000LM	178	30059	169
	36000LM	218	36018	165
	48000LM	284	48017	169
	60000LM	357	60670	170
	72000LM	426	72306	170

IBG HEF			AFL GND	
			Acrylic Frosted, General	
	Lumen Package	Wattage (277V)	Lumen Output	LPW
Delivered Lumens 4000K, 80CRI HEF	8000LM	47	7913	167
	12000LM	68	11944	176
	15000LM	85	14941	176
	18000LM	100	17902	179
	24000LM	134	23845	178
	30000LM	170	29819	175
	36000LM	214	35900	168
	48000LM	280	47662	170
	60000LM	343	57621	168
	72000LM	425	71124	167
Delivered Lumens 5000K, 80CRI HEF	8000LM	47	8092	171
	12000LM	68	12215	180
	15000LM	85	15280	180
	18000LM	100	18308	183
	24000LM	134	24386	182
	30000LM	170	30495	179
	36000LM	214	36715	172
	48000LM	280	48744	174
	60000LM	343	58929	172
	72000LM	425	72738	171

SCALING FACTOR TABLES

CCT	Multiplier
3000K	0.93
3500K	0.96
4000K	0.98
5000K	1.00

CRI	Multiplier
70CRI	1.05
80CRI	1.00
90CRI	0.87

General Distributions	Multiplier
AFL GND	1.00
ACL GND	1.01
PFL GND	0.83
L/Lens	1.04

Other Distributions	Multiplier
AFL GND	1.00
ATL ND	1.00
ATL WD	1.00
ATL AD	1.01

PHOTOMETRICS

See www.lithonia.com.

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IBG CHARACTERISTICS

Lumen package	Wattage								Length	Width	Depth	Comparable Light Source
	Standard efficiency				High efficiency							
	120V	277V	347V	480V	120V	277V	347V	480V	Dimensions are shown in inches (centimeters) unless otherwise noted. Dimensions are for SEF fixtures.			
8000LM	48	48	48	48	47	47	47	47	25.6	11.8	2.75	100W MH, 4-lamp T8 NBF
12000LM	77	76	75	75	69	68	67	68	25.6	11.8	2.75	175W MH, 4-lamp T8 HBF, 2-lamp T5HO
15000LM	95	93	93	93	86	85	85	85	25.6	11.8	2.75	200W MH, 6-lamp T8 NBF
18000LM	106	105	106	105	100	100	99	99	25.6	15.51	2.75	250W MH, 6-lamp T8 HBF, 4-lamp T5HO
24000LM	147	144	145	145	135	134	134	135	25.6	15.51	2.75	400W MH, 6-lamp T5HO
30000LM	182	178	179	179	172	170	171	171	25.6	15.51	2.75	575W MH, 10-lamp T8 HBF
36000LM	223	218	217	217	214	214	214	213	25.6	20.65	2.75	750W MH, 8-lamp T5HO
48000LM	290	284	287	285	280	280	279	278	47.29	15.51	2.75	875W MH, 10-lamp T5HO
60000LM	365	357	361	359	346	343	344	345	47.29	15.51	2.75	1000W MH
72000LM	435	426	431	428	428	425	426	427	47.29	20.65	2.75	1000W MH

PROJECTED LUMEN MAINTENANCE

IBG 2ft & 4ft						
Operating hours	0	15,000	30,000	45,000	60,000	100,000
Lumen maintenance factor	1	0.98	0.96	0.94	0.92	0.86

IK RATING

IK Rating	
Poly-carbonate Lens	IK10
Acrylic Lens	IK06

AMBIENT TEMPERATURE RATINGS

LUMENS	SUSPENDED	SUSPENDED SENSORS/ CONTROL	SURFACE	SURFACE SENSORS/ CONTROL	BATTERY	ETS
8000LM	55	55	45	45	45	40
12000LM	55	55	45	45	40	40
15000LM	55	55	45	45	40	40
18000LM	55	55	45	45	40	40
24000LM	55	55	45	45	40	40
30000LM	55	55	45	45	40	40
36000LM	55	55	45	45	40	40
48000LM	55	55	45	45	40	40
60000LM	55	55	45	45	40	40
72000LM	55	55	45	45	40	40

Note: Various add-on components such as sensors and batteries impact operating temperature range of IBG fixture. Consult component specification sheets or consult factory to determine if components have a different operating temperature range than IBG.

LUMENS VS. AMBIENT TEMPERATURE

Ambient °C	Ambient °F	Lumen Multiplier
0	32	1.03
5	41	1.03
10	50	1.02
15	59	1.01
20	68	1.01
25	77	1
30	86	0.99
35	95	0.99
40	104	0.98
45	113	0.97
50	122	0.96
55	131	0.95

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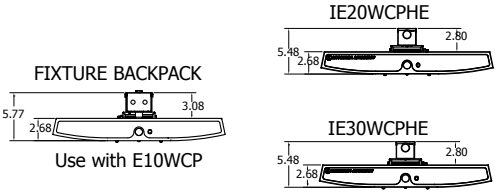
IBG LED High Bay

EMERGENCY BATTERY PACK OPTIONS

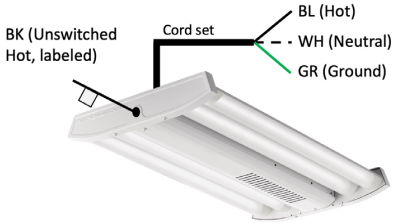
Factory-Installed Nomenclature	Battery Part Number	Factory installed on back of fixture	Suitable for Field Installation
E10WCP	PS1055CP	Yes	No
IE20WCPHE (with MVOLT)	ILBLP-CP20-HE-SD-HV	Yes	Yes
IE30WCPHE (with MVOLT)	ILBLP-CP30-HE-SD-HV	Yes	Yes
IE20WCPHE (with HVOLT)	ILBHI-CP20-HE-SD-HV	Yes	Yes
IE30WCPHE (with HVOLT)	ILBHI-CP30-HE-SD-HV	Yes	Yes

Note: ILBHI is standard HVOLT battery pack



CORD SETS WITH EMERGENCY WIRING DETAILS

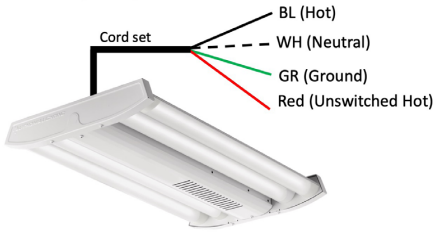
When battery is ordered with a 3-conductor cord set or Reloc® cord (OCS):



The 3 conductor cord set will include the hot (BL), neutral (WH), and ground (GR) conductors but not the unswitched hot for the battery.

- The unswitched hot for powering the battery (BK) will exit the fixture out of the KO of the backpack (for E10WCP batteries) or out of the KO on the end plate (all other battery options).
- If KO-mounted sensor is included, the unswitched hot will come out of opposite end plate KO.

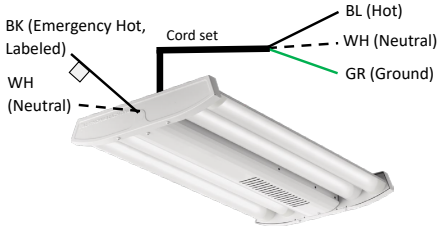
When battery is ordered with a 4-conductor cord set or Reloc® cord (OCS4C):



The 4 conductor cord set will include include the hot (BL), neutral (WH), and ground (GR) conductors AND the unswitched hot will be a separate conductor (RED).

Note: To get IBG wired from the factory for 24/7 operation, with on/off controlled by sensor rather than switch, contact your factory representative to request the normal hot and unswitched hot wired together in the fixture. Consult local codes to determine if this is allowable.

When ETS is used (individually or on ER sensor) with a 3-conductor cord set or Reloc® cord (OCS):



The 3 conductor cord set will include the hot (BL), neutral (WH), and ground (GR) conductors but not the dedicated hot and neutral for emergency function

- The emergency hot (BK) and neutral (WH) will exit the fixture out of the KO of the end plate.
- If KO-mounted sensor is included, the emergency hot and neutral will come out of opposite end plate KO.

EMERGENCY LUMENS AFL GND (5000K 80CRI)

		E10WCP	IE20WCPHE	IE30WCPHE
SEF	8000	2000	-	-
	12000	-	3900	5800
	15000	-	3900	5800
	18000	-	3900	5800
	24000	-	4000	6000
	30000	-	4000	6000
	36000	-	4000	6000
	48000	-	4000	6000
	60000	-	4000	6000
	72000	-	4000	6000

		E10WCP	IE20WCPHE	IE30WCPHE
HEF	8000	2100	-	-
	12000	-	4200	6200
	15000	-	4200	6200
	18000	-	4300	6300
	24000	-	4300	6300
	30000	-	4300	6300
	36000	-	4300	6300
	48000	-	4300	6300
	60000	-	4300	6300
	72000	-	4100	6100

Note: Based on AFL GND, 50K, 80CRI. For emergency lumen output of specific model, please consult factory.

Note: IE20WCPHE & IE30WCPHE both for MVOLT and HVOLT battery packs.

EMERGENCY LUMENS CROSS AFL GND (5000K, 80CRI)

		IE20WCPHE	IE30WCPHE
SEF	12000	3900	5800
	15000	3900	5800
	18000	3900	5800
	24000	4000	6000
	30000	4000	6000
	36000	4000	6000
	48000	4000	6000
	60000	4000	6000

IBG LED High Bay

EMERGENCY OPERATION SCENARIOS

	Standard Sensor or Control Device (commonly used with Battery Pack Option)	EM Solution (Used when switching single incoming hot to generator power)	ER Solution (Used when switching to generator power via a 2nd hot lead)
Emergency Lighting Strategy	*Luminaire-integral battery pack and emergency driver *Generator transfer device	*Diesel genset emergency backup supply *Slow transfer inverter (>30ms) emergency backup supply	*Fast Transfer (FT) inverter emergency backup supply *Uninterruptible Power System (UPS) emergency
Recommended Control Device Option	*Not specifically listed for emergency use. *Wired such that a separately listed emergency device provides emergency lighting power and/or control during loss of normal power scenarios.	*UL 924 listed *EM devices will remain at their high-end trim and ignore wireless lighting control commands, such as in the event of a normal power failure, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds. *Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts. *Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.	*UL 924 listed *Utilizes dedicated Normal Power sensing leads to initiate lighting control override during loss of normal power scenarios. *Requires connections to both emergency and normal power circuits.

	Function	Sequence of Operations	Standard Sensor or Control Device	EM Solution (Generator 1 Hot)	ER Solution* (Generator 2 Hots)	IBG Standard Sensor Settings: Vacancy Time Out	Dim to Off Time Delay	High Trim	Low Trim (Vacancy Dim Level)	Photocell Set Point
Standalone Sensors (Individual control per fixture)	On/Off	Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.	**LSXR6**	-	LSXR6 ER	10 min	-	-	-	-
	High/Low (Off)	"Lights turn on to high trim when presence is detected; Upon vacancy, the lights dim to low trim after timeout and turn off after "Dim To Off"" Time Delay. For High/Low (Never Off) function, bypass the relay by bringing power directly into driver rather than wiring hot through LSXR device."	**LSXR6 HL**	-	LSXR6 HL ER	10 min	2.5 min	100%	"10% (Driver Low)"	-
	Photocell	Lights turn on unless ambient light level is above set point; If ambient light levels in the space exceed the photocell set point, lights will turn off even during occupancy.	**LSXR6 P**	-	LSXR6 P ER	-	-	-	-	4 fc
	Dimming + Photocell	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, the lights dim to low trim , then turn off after timeout; During occupancy, automatically raise and lower electric light level to maintain set point and turn off, depending on ambient light.	**LSXR6 ADC**	-	LSXR6 ADC ER	10 min	2.5	-	-	4 fc
	Dimming + Photocell + High/Low	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, lights dim to low trim after timeout and remain at low trim until presence is detected; Automatically raise and lower electric light level to maintain set point during occupancy and during vacancy keeps lights at low trim if ambient light is not sufficient.	**LSXR6 ANL**	-	LSXR6 ANL ER	10 min	-	100%	10%	4 fc
	Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". Ex. LSXR10 P. For High Aisle Mount sensors, replace "6" with "50".									
Bluetooth Sensors (Configurable via mobile Bluetooth app)	On/Off	Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.	**HLN45 OCC**	-	HLN45 OCC ER	10 min	-	-	-	-
	High/Low (Off)	Lights turn on to high trim when presence is detected; Upon vacancy, the lights dim to low trim after timeout and turn off after "Dim To Off" Time Delay.	**HLN45 HL**	-	HLN45 HL ER	10 min	2.5 min	100%	10%	-
	Dimming + Photocell	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, the lights dim to low trim during timeout; During occupancy, automatically raise and lower electric light level to maintain set point and turn off, depending on ambient light.	**HLN45 ADC**	-	HLN45 ADC ER	10 min	2.5 min	-	10%	50 fc
	Dimming + Photocell + High/Low (Never Off)	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, lights dim to low trim after timeout and remain at low trim until presence is detected; Automatically raise and lower electric light level to maintain set point during occupancy and during vacancy keeps lights at low trim if ambient light is not sufficient.	**HLN45 ANL**	-	HLN45 ANL ER	10 min	Never off due to occupancy	100%	10%	50 fc
	Note: For High Aisle Mount sensors, replace "45" in nomenclature with "45A". Ex. HLN45A HL									
nLight wired Networked Controls	Dimming + Photocell + Occupancy	Programmable network sensor - On/Off Occupancy detection with Dimming (includes dimming powerpack externally mounted to fixture access plate)	**NCMB6**	-	NCMB6 ER	10 min	7.5 min	100%	10%	5 fc
	Dimming	Programmable On/Off control only with dimming - no sensor (device externally mounted to fixture access plate)	**NPP16 D**	-	NPP16 D ER	-	-	100%	1%	-
	Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50". Ex: NCMB50									
nLight AIR Wireless Sensors	Dimming + Photocell + Occupancy	Wirelessly programmable network sensor - On/Off control with dimming, occupancy detection, and daylight harvesting (Sensor embedded in fixture)	**NLTAIR2 RMSOD45**	RLSXR 6 EM	NLTAIR2 RMSOD45 ER	7.5 min	-	100%	30%	50 fc
	Dimming	Wirelessly programmable On/Off control with dimming - no sensor (Device embedded in fixture)	**NLTAIR2 RIO**	RPP20D EM	NLTAIR2 RIO ER	-	-	100%	10% (driver low)	-
	Note: For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A". Ex: NLTAIR2 RMSOD45A EM sensors/controls are KO-mounted; all others integral. RPP20 D EM de-rates fixture to Damp Location.									

***All ER solutions except nLight wired, include standard sensor or control device with a factory-installed Iota ETS##-DR (UL924 bypass device). This device is integral to the fixture and will include a hot and neutral lead for the dedicated emergency circuit.**

IBG LED High Bay

JOB PACK QUANTITIES

Series	Performance	Lumens	Job Pack Quantities: Standard / Base configuration	With Sensor, Cord Set, or RELOC	With Wire guards	With Battery
IBG	SEF	8000LM 12000LM 15000LM	90	60	60	48
		18000LM 24000LM 30000LM	64	40	40	32
		36000LM	52	32	32	28
		48000LM 60000LM	30	24	20	14
		72000LM	26	18	18	14
	HEF	8000LM	90	60	60	48
		12000LM 15000LM	64	40	40	32
		18000LM 24000LM 30000LM 36000LM	52	32	32	28
		48000LM 60000LM 72000LM	26	18	18	14

Breakout Example:

Ordered Line:	Qty: 90	IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI LSXR6 DWH JP *Above configuration shows 40 units for Job Pack
Breakout Line 1:	Qty: 80	IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI LSXR6 DWH JP40 *Will have 2 pallets of 40 units each
Breakout Line 2:	Qty: 10	IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI LSXR6 DWH *Balance will ship in unit cartons

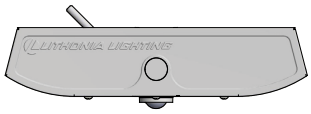
Note: If quantity ordered is less than Job Pack quantity for that configuration, the breakout line will default to unit packs.

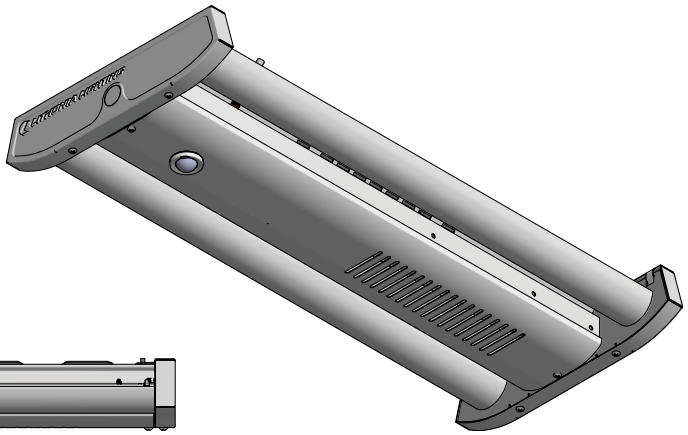
INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-Industrial@acuitybrands.com www.lithonia.com

IBG LED High Bay

nLIGHT AIR SENSOR - RMSOD

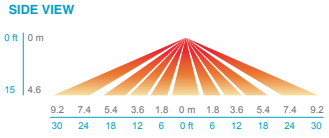
nLIGHT® AIR Dimming and Photo Sensor





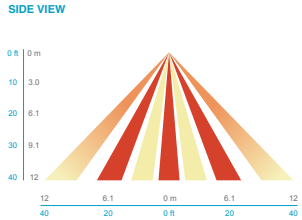
7 - MINI-LOW BAY 360° LENS

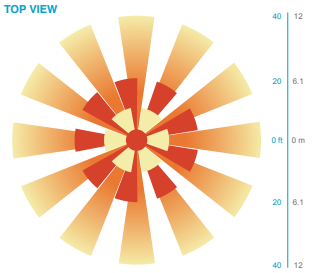
- Recommended for walking motion detection from mounting heights between 8 ft (2.44m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m)and 1.75x up to 20 ft (6.10 m)
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74)
- Initial detection will occur earlier when walking across sensor's field of view than walking directly at sensor



45- HIGH MOUNT 360°

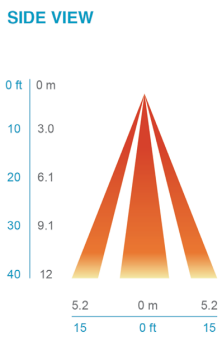
- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height

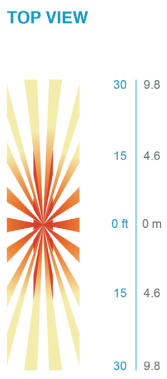




45A HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.5X's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height





IBG LED High Bay

HALEON - Integrated Occupancy Sensor with Bluetooth® Programmability

- Programmable sensor settings over Bluetooth® with Acuity VLP smartphone app.
- Default programming options to service various application spaces - occupancy detection, 0-10V dimming and daylight harvesting.
- 360° High Mount and High Mount Aiselway lens detection options for mounting heights up to 40 ft.
- Integrated retractable lens mask included to block unwanted detection.
- Sensor ambient temperature rating of -40°F (-40°C) to 158°F (70°C).

Bluetooth®

Haleon Default Programming

Model	Default Operation	LSXR Equivalent	Occupancy Time Delay	Photocell Mode	Photocell Set-point	Low Trim	High Trim	Dim to Off Time Delay
HLNxxx	On/Off Occupancy Only	LSXR6 LT or LA0OSTU	10 minutes	Disabled	n/a	n/a	100%	Disabled
HLNxxx HL	Occupancy w/ 0-10V Dim-ming (High/Low/Off)	LSXR6 HL LT or LAH0STU	10 minutes	Disabled	n/a	10%	100%	2.5 minutes
HLNxxx ADC*	Occupancy w/ Dim & Switch Photocell	LSXR6 ADC LT or LAM0STU	10 minutes	On/Off & Auto Dim	50 fc	10%	100%	2.5 min
HLNxxx ANL	Dim & Switch Photocell with High/Low Occupancy Operation	LSXR6 ANL LT or LAG0STU	10 minutes	On/Off & Auto Dim	50 fc	10%	100%	Stay Dim/ Never off due to occupancy

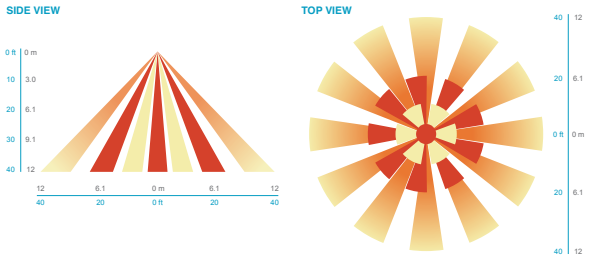
Note: Lens detection noted in place of 'xxx'

***HLN ADC includes a 2.5 minute dim to off not found in LSXR ADC.**

HALEON COVERAGE PATTERNS

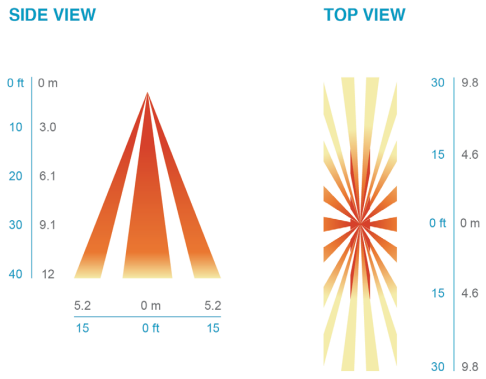
45- HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 50 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired



45A HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 50 ft. (3.1 – 12 m) mounting heights
- 1.2X's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired



IBG LED High Bay

DIGITAL NAVIGATION | Home | Ordering | nLight Platform | Controls | Operational Data

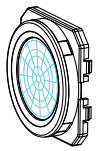
LSXR – Fixture Mount Occupancy Sensor (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

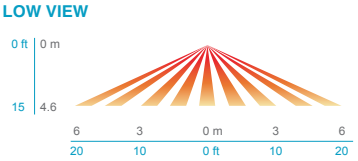
LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
For shortest lead times use one of the following LSXR configurations		
LSXR50 / LC0ZU	CMRB 50	MSI
LSXR50 HL / LCH0SZU	CMRB 50 D	MSID
LSXR50 P / LCPZU	CMRB 50 P	MSIPED
LSXR6 / LA0ZU	CMRB 6	MSI360
LSXR6 HL / LAH0SZU	CMRB 6 D	MSI360D
LSXR6 P / LAPZU	CMRB 6 P	MSI360PED

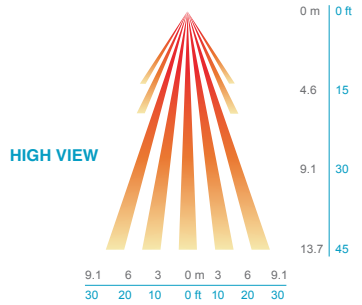
LSXR COVERAGE PATTERNS

HIGH MOUNT 360° LENS (#6)

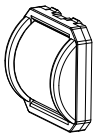


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height

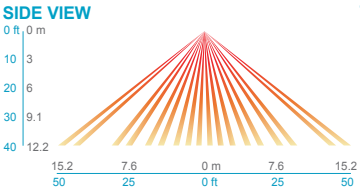


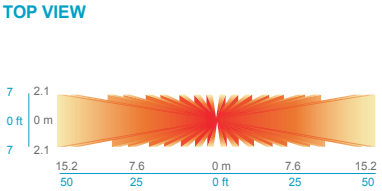


HIGH MOUNT AISLEWAY LENS (#50)

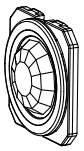


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

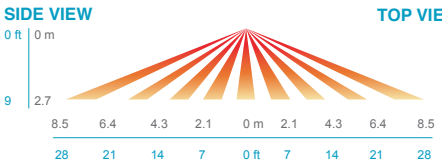


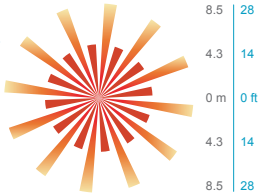


LOW MOUNT 360° LENS (#10)



- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft2) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams





IBG LED High Bay

RMSOD

- 100% digital PIR detection
- Combined daylight and occupancy sensor
- Fully dimmable via digital or analog dimming protocols, providing the right amount of light for the application and to optimize energy savings
- Optional UL 924 emergency functionality via EM option, which eliminates wiring for sensing normal power

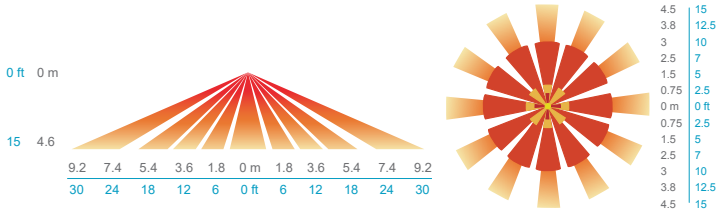
COVERAGE PATTERN

Lens rotates 15 deg to enable adjustment. Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

SIDE VIEW TOP VIEW

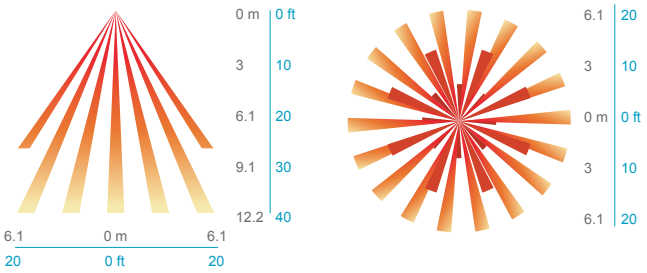
7 - MINI LOW-BAY 360°

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axis at distances of 2x the mounting height up to 15 ft (4.57 m)and 1.75x up to 20ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)



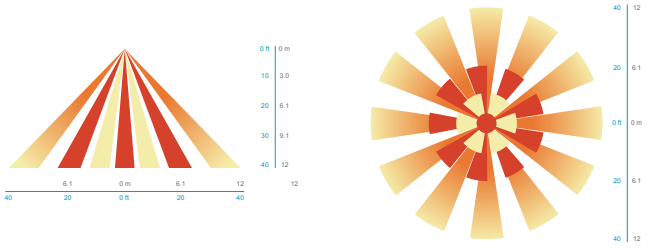
30 - UNIVERSAL 360°

- Provides excellent detection of large motion (e.g. walking) when mounted between 15 to 40 ft (4.57 to 12.19 m)
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Recommended for fixtures that have a 1:1 spacing to mounting height ratio or less (e.g. fixtures 30' on center or less @ a 30' mounting height).)



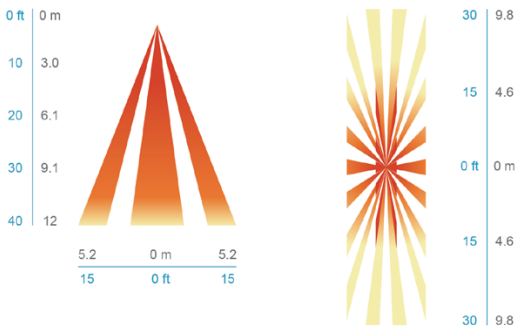
45 - HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height



45A - HIGH MOUNT AISELWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.5x's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height



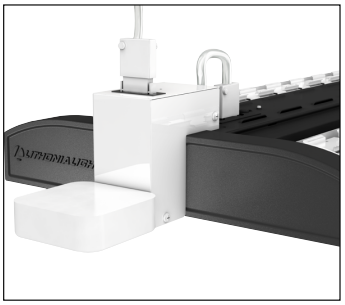
INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-Industrial@acuitybrands.com www.lithonia.com

IBG LED High Bay

DIGITAL NAVIGATION | Home | Ordering | nLight Platform | Controls | Operational Data

IMP - Integrated Modular Plug

- The integrated modular plug (IMP) option allows the installer to plug and play a multitude of accessories.
- Cord sets connect quickly to any fixture with IMP option.
- IMP accessories include occupancy sensors, photocells, X-point relays.



IMP compatible cord sets[1]	
CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock, 347V
CS93WIMP	600V SEOOW white cord, no plug
CS97WIMP	Twist-lock, 480V

IMP compatible sensors	
MSIIMP	Aisle sensor
MSI360IMP	360° sensor

Ordering Example

Order As: Qty 1 - IBG 12000LM SEF AFL GND 120 GZ10 40K 80CRI IMP CP5BW DWH

Ships As: Qty 1 - IBG 12000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH
Qty 1 - CS1WIMP

Notes

1 Cord set required for fixture operation. All cord sets are 18/3, 6' white.

RRL - RELOC®-Ready Luminaire

- RRL connectors to be used with the OnePass system.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example**: RRLA

Series		Wiring instructions	
RRL	RELOC®-ready luminaire	A	Hot conductor wired to position #1 (phase A); non-dimming
		B	Hot conductor wired to position #2 (phase B); non-dimming
		AE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming[1]
		C12S	Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2,low voltage conductor #2 in position #3; dimming[2]

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

(click to view RELOC product page for more information)

OCS

OCU

OD

Notes

1 AE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode. Requires fixture to have battery option.

2 C12S option is used with the OnePass for 0-10V/DALI applications. Not for use with dimming sensors.

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-Industrial@acuitybrands.com www.lithonia.com

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** 2ESL4RE44LMVOLTEZ1LP830	**Line Item#:** 4 Go to Bill of Materials **Type:** AA Powered by 4submittal.com

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The 2ESL4R LED Relight assembly is the ideal solution for renovating existing fluorescent troffer and parabolic systems, delivering improved quality of light and refreshing the space. 2ESL4R lighting eliminates the "cave effect" by delivering the ideal amount of light to walls, work surfaces, and people. The 2ESL4R Relight assembly is recommended for offices, schools, hospitals, and other general lighting applications where existing 2x4 troffer and parabolic fluorescent fixtures are currently in use.

CONSTRUCTION — Universal end brackets are constructed of 20-gauge powder-painted steel and are secured to the host fixture with provided tek screws. The LED light engine is 20-gauge powder painted steel and is wired to the supply voltage using a driver-disconnect plug system provided as standard. A steel wiring connection cover is provided for use if required.

OPTICS —LED light panel and diffuser assemblies are designed to provide consistent, uniform lighting in conjunction with existing louvered doorframe. Panels are designed to use existing mounting brackets to optimize source-to-aperture distance.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000).

eldoLED driver options deliver choice of dimming range and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight®controls make each luminaire addressable — allowing it to digitally communicate with other nLight-enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight-enabled control devices and the 2ESL4R luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

Driver disconnect provided where required to comply with US and Canadian codes.

Enabled with Atrius™ — Select models of this product line are enabled with Atrius, making them part of the Atrius Sensory Network and ready to deliver valuable data and connectivity to the Atrius Platform. For more information concerning Atrius solutions, please refer to www.acuitybrands.com/Atrius.

INSTALLATION — After existing fluorescent components are removed from housing, universal end brackets are fastened in place with tek screws. The LED light engine assembly mounts to the end brackets and hangs securely while the wiring connection is made using a driver-disconnect plug system provided as standard. The light engine then swings up into position and is secured in place with a captive screw at each end. The doorframe is then inserted via a sliding hinge into the end bracket and secured in the closed position with a rotating cam latch. Light engine may be removed from fixture during service. LED boards include plug-in connectors for easy replacement or servicing. Suitable for damp location installations.

LISTINGS — UL listed. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be 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/CustomerResources/Terms_and_conditions.aspx

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.

Volumetric Troffer

2ESL4R

2' x 4' Relight LED

eldoLED

ATRIUS™ READY

Specifications

Designed to convert most existing recessed parabolic and lensed troffers.

A+ 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® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

2ESL4R 2'x4'

A+ Capable options indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2ESL4R 40L MVOLT EZ1 LP830

2ESL4R					
Series	**Lumens**[1]	**Voltage**	**Driver**	**Color temperature**	**Controls**
2ESL4R	30L 3000 40L 4000 44L 4400 48L 4800 60L 6000 72L 7200	MVOLT 120-277V 347 347V[2]	EOHN On/Off (non-dim) EZ1 eldoLED, dims to 1% SLD Step level dimming	LP835 82 CRI, 3500 K LP840 82 CRI, 4000 K LP830 82 CRI, 3000 K LP850 82 CRI, 5000 K	(blank) No controls N80 N-light with 80% lumen management[3] N100 N-light with no lumen management[3] N80EMG N-light with 80% lumen management for use with generator supply EM power[3] N100EMG N-light without lumen management for use with generator supply EM power[3]

Enabled with Atrius		**Options**	
AE1CD	Atrius Enabled Platform 1; VLC & BLE Positioning; Digital Driver Communication	EL7L	700 lumen battery pack[4,6]
AE2CD	Atrius Enabled Platform 2; VLC & BLE Positioning; Digital Driver Communication	EL14L	1400 lumen battery pack[4,6]
		RRLA	RELOC®-ready luminaire
		CP	Chicago plenum[5,8]
		PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit
		PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
		PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter,18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge[7]
		PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires[7]

Enabled with Atrius™ Notes

A Not available with 72L or higher.

B Only available with EZ1 or EOHN driver (consult factory).

C No Occupancy Control available.

D Lower lumen packages will lose VLC functionality when dimmed.

Notes

1. Approximate lumen output.
2. Option ships separately as a field-installed accessory. Verify compliance with local codes prior to ordering.
3. No external access to nIO.
4. Not available with 72L lumen package.
5. CP host housing required.
6. When using pre-wire option, use PWS1846 or PWS1846 PWSLV. For more information on the EL14LSD, please see the PSSD2 specification sheet.
7. Not available with nLIGHT wired network or individual control
8. Not available with N80, N80EMG, N100, or N100EMG. Not available with PWS1836, PWS1846, PWS1856LV or PWS1846 PWSLV

2ESL4R 2'x4'

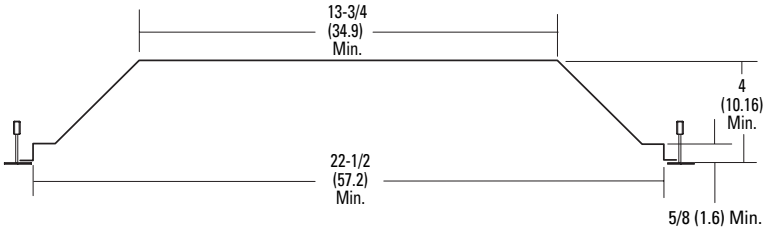
Performance Data			
Lumen Package	**Lumens**	**Input Watts[1]**	**LPW**
30L EZ1 LP830	3183	24	132
30L EZ1 LP835	3248	24	134
30L EZ1 LP840	3336	24	138
30L EZ1 LP850	3364	24	139
40L EZ1 LP830	3979	30	131
40L EZ1 LP835	4060	30	134
40L EZ1 LP840	4170	30	138
40L EZ1 LP850	4206	30	139
44L EZ1 LP830	4391	34	131
44L EZ1 LP835	4480	34	133
44L EZ1 LP840	4602	34	137
44L EZ1 LP850	4641	34	138
48L EZ1 LP830	4762	37	127
48L EZ1 LP835	4859	37	130
48L EZ1 LP840	4991	37	133
48L EZ1 LP850	5033	37	135
60L EZ1 LP830	6059	50	122
60L EZ1 LP835	6182	50	125
60L EZ1 LP840	6350	50	128
60L EZ1 LP850	6404	50	129
72L EZ1 LP830	7126	61	116
72L EZ1 LP835	7271	61	119
72L EZ1 LP840	7468	61	122
72L EZ1 LP850	7532	61	123
80L SLD LP830	7744	72	108
80L SLD LP835	7902	72	110
80L SLD LP840	8116	72	113
80L SLD LP850	8186	72	114

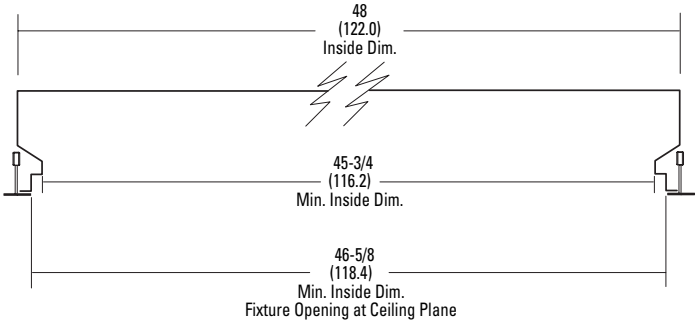
Energy Comparison - 2x4 LED vs. T12 & T8				
System	Lamp type	Ballast factor	Input watts[1]	Watts saved by using LED
2ESL4R 40L	LED	1.0	30	---
4-lamp T12	F40T12	0.88	144	114
4-lamp T8	F32T12	0.88	110	80
3-lamp T12	F40T12	0.88	108	78
3-lamp T8	F32T12	0.88	90	60
2-lamp T12	F40T12	0.88	72	42
2-lamp T8	F32T12	0.88	60	30

FIT COMPATIBILITY

The 2ESL4R Relight assembly was engineered to upgrade recessed 2X4 fixtures, including most parabolic and lensed troffers from all major manufacturers.

Dimensional requirements are below but Lithonia Lighting recommends a trial installation prior to purchasing project quantities.



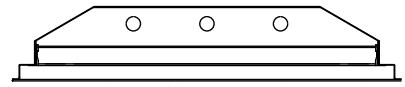


Dimensions are inches (centimeters) unless otherwise noted.

Relight assemblies are designed to fit most recessed fixtures mounted in T-grid installations. For surface mounted fixtures or for fixtures mounted in ceiling types other than T-grids, consult factory before ordering.

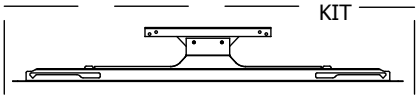
RETROFITING ALL OTHERS (THAT MEET MIN. DIMS)

2ESLR

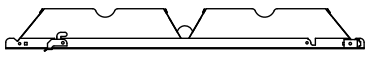


ANY EXISTING HOST THAT MEETS MIN. DIMS

KIT



Shallow LIGHT ENGINE



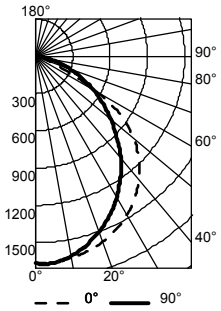
2ES8 RELIGHT LOUVER

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** 2ESL4RE44LMVOLTEZ1LP830	**Line Item#:** 4 Go to Bill of Materials **Type:** AA Powered by 4submittal.com

2ESL4R 2'x4'

PHOTOMETRICS

2ESL4R 40L EZ1 LP835, 4060 delivered lumens, test no. 109635P2, tested in accordance to IESNA LM-79



CP Summary

	0°	90
0°	1667	1667
5°	1663	1669
15°	1623	1577
25°	1538	1413
35°	1392	1192
45°	1174	921
55°	854	663
65°	251	408
75°	82	189
85°	14	60
90	0	12

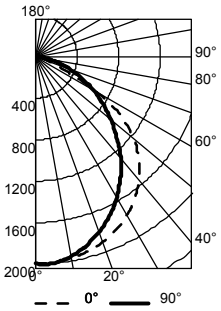
Coefficients of Utilization

	pf	20%								
	pc	80%			70%			50%		
RCR	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
	0	119	119	119	116	116	116	111	111	111
	1	110	106	102	103	100	97	99	96	94
	2	101	93	87	91	86	81	88	83	79
	3	92	83	75	81	74	68	78	72	67
	4	85	74	65	72	65	59	70	63	58
	5	78	66	58	65	57	51	63	56	51
	6	73	60	51	59	51	45	57	50	45
	7	67	54	46	54	46	40	52	45	40
	8	63	50	41	49	41	36	48	41	35
	9	59	46	38	45	37	32	44	37	32
	10	55	42	34	42	34	29	41	34	29

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1268	31.2	31.2
0° - 40°	2054	50.6	50.6
0° - 60°	3490	85.9	85.9
0° - 90°	4060	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	4060	100.0	100.0

2ESL4R 48L EZ1 LP835, 4859 delivered lumens, test no. 109635P10, tested in accordance to IESNA LM-79



CP Summary

	0°	90
0°	1995	1995
5°	1990	1997
15°	1942	1888
25°	1841	1691
35°	1666	1426
45°	1405	1102
55°	1022	793
65°	300	489
75°	98	227
85°	17	72
90	0	14

Coefficients of Utilization

	pf	20%								
	pc	80%			70%			50%		
RCR	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
	0	119	119	119	116	116	116	111	111	111
	1	110	106	102	103	100	97	99	96	94
	2	101	93	87	91	86	81	88	83	79
	3	92	83	75	81	74	68	78	72	67
	4	85	74	65	72	65	59	70	63	58
	5	78	66	58	65	57	51	63	56	51
	6	73	60	51	59	51	45	57	50	45
	7	67	54	46	54	46	40	52	45	40
	8	63	50	41	49	41	36	48	41	35
	9	59	46	38	45	37	32	44	37	32
	10	55	42	34	42	34	29	41	34	29

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1518	31.2	31.2
0° - 40°	2458	50.6	50.6
0° - 60°	4176	85.9	85.9
0° - 90°	4859	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	4859	100.0	100.0

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** EALP031SM730NAD1-GRAY	**Line Item#:** 5 Go to Bill of Materials **Type:** BB Powered by 4submittal.com

EVOLVE

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

EALP Series

LED Outdoor Area Light

The EALP Area Light luminaire offers a wide range of optical patterns, color temperatures, lumen packages and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form-factor. They are ideal for commercial property site-lighting applications such as retail and commercial exteriors.

Construction

Housing:	Aluminum die cast enclosure. Integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze Gray, White (RAL & custom colors available) Optional = Coastal Finish
Weight:	27 lbs

Optical system

Lumens:	22,700 - 70,700
Photometry:	Type II, III, IV & V
Efficacy:	122 - 146 LPW
CCT:	3000K, 4000K, 5000K
CRI:	≥70
Upward Light Output Ration (ULOR):	0 Horizontal Orientation

Electrical

Input Voltage:	120-277V, 277-480V & 347-480V
Input Frequency:	50/60 Hz
Power Factor (PH):	> 90% at rated watts
Total Harmonic Distortion (THD):	< 20% at rated watts

Surge Protection

TYPICAL (120 STRIKES)		
☐ 6kV/3kA*	☐ 10kV/5kA*	☐ 20kV/10kA*

*Per ANSI C136.2-2015

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

OPTICS	LXX(10K) @ HOURS		
	25,000 HR	50,000 HR	60,000 HR
J5, K2, K3, K4, K5	L96	L92	L91
L2, L3, L4, L5, M2, M3, M4, M5	L95	L93	L92
J2, J3, J4, N2, N3, N4, N5	L95	L93	L92
P2, P3, P4, P5, Q2,Q3, Q4, Q5	L95	L93	L92

Note: Projected Lxx based on LM80 (= 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements

Luminaire Ambient Temperature Factor

AMBIENT TEMP (°C)	INITIAL FLUX FACTOR	AMBIENT TEMP (°C)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00		

Ratings

Operating Temperature:	-40° C to 40° C
Vibration:	3G per ANSI C136.31-2010
LM-79:	Testing in accordance with IESNA Standards

Controls

Dimming:	Standard - 0-10V ☐ Optional - DALI (Option U) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid and Daintree Compatible

Warranty

☐ 5 Year (Standard) ☐ 10 Year (Optional)

IP66 IK08 Optical Only

EVOLVE

EALP Series
LED Outdoor Area Light

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

Ordering Information

EALP 03 _ __ __ _ __ _ _ __ ____ ___

PRODUCT ID	GENERATION	VOLTAGE	OPTICAL CODE	DISTRIBUTION	CRI	CCT	DIMMING[2]	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E= Evolve	03	0[1]=120-277V	Jx =25000 lm[13]	SM = Symmetric Medium	7 = 70 (min)	30[11] = 3000K	N = Dimming thru PE receptacle	A = ANSI C136.41 7-Pin Receptacle	C1[4] = Integral Slipfitter: Standard	BLCK = Black	F= Fusing
AL= Area Light		H[1] = 347-480V	Kx = 30000 lm	SW = Symmetric Wide		40 = 4000K	D = External Dimming 18/2 3 ft Cable	D = ANSI C136.417-Pin Receptacle with Shorting Cap	D1[5] = Universal Mounting Arm: Fitted for round or square pole mounting	DKBZ = Dark Bronze	H = Motion Sensor[3, 13, 14] (Sensor Switch)
P = Premium		E[1,9] = 277-480V	Lx = 35000 lm	SH = Symmetric High Angle		50 = 5000K		E[3] = ANSI C136.41 7-pin with Non-Dimming PE Control	K1[4,6] = Knuckle Slipfitter: For 1.9 in. - 2.3 in OD Tenon	GRAY = Gray	H1 = LightGrid w/ WattStopper [13]
			Mx = 40000 lm	AF = Asymmetric Forward					S1[4,6] = Knuckle Slipfitter: For 2.3 in. - 3.0 in OD Tenon	WHTE = White	H2 = Daintree enabled motion sensor[8, 13, 14]
		1 = 120V	Nx = 50000 lm[13]	AH = Asymmetric High Angle					V1[4,6] = Knuckle Wall Mount		H4 = Motion Sensor (WattStopper)[13]
		2 = 208V	Px = 60000 lm[13, 14]	AW = Asymmetric Wide							J = cUL/Canada
		3 = 240V	Qx = 70000 lm[13, 14]	AN = Asymmetric Narrow/Auto							L = Tool-Less Entry
		4 =277V									R = Enhanced Surge Protection (10kV/5kA)
		D = 347V									S1 = Rotated Left[12]
		5 = 480V									S2 = Rotated Right[12]
											T = Extreme Surge Protection
											U = DALI Programmable [7, 8]
											V = 3 Position Terminal Block
											Y = Coastal Finish[10]
											XXX = Special Options

[1] Not Available with Fusing, Must Choose a Discrete Voltage with "F" Option Code
[2] Note Standard Dimming is 0-10V
[3] Not available in 277-480V
[4] Supplied with 3ft leads
[5] Supplied with 16/3 ft Cable
[6] Restricted Aiming Angle of 0-45°
[7] Compatible with LightGrid Wireless Control Nodes, Not Compatible with Motion Sensor Control
[8] Not available in 347V, 480V or 347-480V.
[9] Only available with K, L & M optics
[10] Recommended for installations within 750 feet from coast. Lead time varies, check with factory.
[11] Select 3000K CCT for IDA approved fixtures.
[12] For aimed left of right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions
[13] Not available with Dali
[14] Not available with 20kV/10kA SPD

EVOLVE

EALP Series
LED Outdoor Area Light

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

TYPE	OPTIC CODE	DISTRIBUTION	TYPICA L INITIAL LUMENS		TYPICAL SYSTEM WATTAGE	BUG RATINGS	
						3000K	4000 & 5000K
			3000K	4000K & 5000K	120-277 & 347-480V	B-U-G	B-U-G
TYPE V	J5	Symmetric Medium (SM)	23600	25000	172	B4-U0-G2	B4-U0-G2
	K5	Symmetric Medium (SM)	28300	30000	212	B5-U0-G3	B5-U0-G3
	L5	Symmetric Medium (SM)	33000	35000	263	B5-U0-G3	B5-U0-G3
	M5	Symmetric Medium (SM)	37800	40000	305	B5-U0-G3	B5-U0-G4
	N5	Symmetric Medium (SM)	47200	50000	400	B5-U0-G4	B5-U0-G4
	P5	Symmetric Medium (SM)	56700	60000	470	B5-U0-G4	B5-U0-G4
	Q5	Symmetric Medium (SM)	66100	70000	570	B5-U0-G5	B5-U0-G5
	J5	Symmetric Wide (SW)	23600	24100	172	B4-U0-G2	B3-U0-G2
	K5	Symmetric Wide (SW)	28300	29000	212	B5-U0-G2	B3-U0-G2
	L5	Symmetric Wide (SW)	33000	33800	263	B5-U0-G2	B4-U0-G2
	M5	Symmetric Wide (SW)	37800	38600	305	B5-U0-G2	B4-U0-G2
	N5	Symmetric Wide (SW)	47200	48300	400	B5-U0-G3	B5-U0-G3
	P5	Symmetric Wide (SW)	56700	58000	470	B5-U0-G3	B3-U0-G3
	Q5	Symmetric Wide (SW)	66100	67600	570	B5-U0-G4	B3-U0-G4
	J5	Symmetric High Angle (SH)	22700	24100	200	B5-U0-G3	B5-U0-G3
	K5	Symmetric High Angle (SH)	27400	29000	212	B5-U0-G3	B5-U0-G3
	L5	Symmetric High Angle (SH)	31900	33800	263	B5-U0-G4	B5-U0-G4
	M5	Symmetric High Angle (SH)	36400	38600	305	B5-U0-G4	B5-U0-G4
	N5	Symmetric High Angle (SH)	45600	48300	400	B5-U0-G4	B5-U0-G5
	P5	Symmetric High Angle (SH)	54800	58000	470	B5-U0-G5	B5-U0-G5
	Q5	Symmetric High Angle (SH)	63800	67600	570	B5-U0-G5	B5-U0-G5
TYPE IV	J4	Asymmetric Forward (AF)	23600	25000	200	B1-U0-G2	B1-U0-G2
	K4	Asymmetric Forward (AF)	28300	30000	212	B2-U0-G2	B2-U0-G2
	L4	Asymmetric Forward (AF)	33000	35000	263	B2-U0-G2	B2-U0-G2
	M4	Asymmetric Forward (AF)	37800	40000	305	B3-U0-G3	B3-U0-G3
	N4	Asymmetric Forward (AF)	47200	50000	400	B3-U0-G3	B3-U0-G3
	P4	Asymmetric Forward (AF)	56700	60000	470	B3-U0-G4	B3-U0-G4
	Q4	Asymmetric Forward (AF)	66100	70000	570	B2-U0-G2	B2-U0-G2
	J4	Asymmetric High Angle (AH)	22700	24100	200	B3-U0-G4	B3-U0-G4
	K4	Asymmetric High Angle (AH)	27400	29000	212	B3-U0-G4	B3-U0-G5
	L4	Asymmetric High Angle (AH)	31900	33800	263	B4-U0-G5	B4-U0-G5
	M4	Asymmetric High Angle (AH)	36400	38600	305	B4-U0-G5	B4-U0-G5
	N4	Asymmetric High Angle (AH)	45600	48300	400	B4-U0-G5	B4-U0-G5
	P4	Asymmetric High Angle (AH)	54800	58000	470	B4-U0-G5	B4-U0-G5
	Q4	Asymmetric High Angle (AH)	63800	67600	570	B5-U0-G5	B5-U0-G5
TYPE III	J3	Asymmetric Wide (AW)	23600	25000	200	B3-U0-G3	B3-U0-G3
	K3	Asymmetric Wide (AW)	28300	30000	212	B3-U0-G3	B3-U0-G3
	L3	Asymmetric Wide (AW)	33000	35000	263	B3-U0-G3	B4-U0-G3
	M3	Asymmetric Wide (AW)	37800	40000	305	B4-U0-G3	B4-U0-G4
	N3	Asymmetric Wide (AW)	47200	50000	400	B4-U0-G4	B4-U0-G4
	P3	Asymmetric Wide (AW)	56700	60000	470	B5-U0-G4	B5-U0-G4
	Q3	Asymmetric Wide (AW)	66100	70000	570	B5-U0-G5	B5-U0-G5

EVOLVE

EALP Series
LED Outdoor Area Light

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

TYPE	OPTIC CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE	BUG RATINGS	
						3000K	4000 & 5000K
			3000K	4000K & 5000K	120-277 & 347-480V	B-U-G	B-U-G
TYPE II	J2	Asymmetric Narrow/Auto (AN)	23800	25200	200	B3-U0-G3	B3-U0-G3
	K2	Asymmetric Narrow/Auto (AN)	28600	30300	212	B3-U0-G3	B3-U0-G3
	L2	Asymmetric Narrow/Auto (AN)	33000	35300	263	B4-U0-G4	B4-U0-G4
	M2	Asymmetric Narrow/Auto (AN)	38100	40400	305	B4-U0-G4	B4-U0-G4
	N2	Asymmetric Narrow/Auto (AN)	47700	50500	400	B4-U0-G4	B4-U0-G4
	P2	Asymmetric Narrow/Auto (AN)	57200	60600	470	B4-U0-G4	B4-U0-G4
	Q2	Asymmetric Narrow/Auto (AN)	66800	707000	570	B5-U0-G5	B5-U0-G5

For additional information on Non-Shielded and Shielded EALP files, please refer to LED.com

EVOLVE

EALP Series
LED Outdoor Area Light

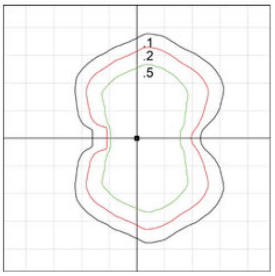
CUSTOMER NAME _____

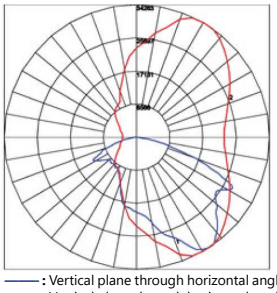
PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

EALP03
ASYMMETRIC NARROW
(Q2AN750)
70700 Lumens
5000k
EALP03_Q2AN750_____.IES

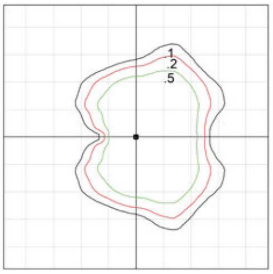


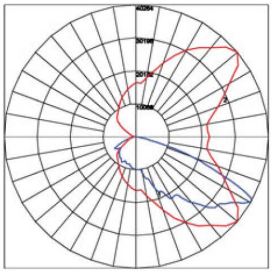


Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

: Vertical plane through horizontal angle of maximum candlepower at 60°
: Vertical plane through horizontal angle 35°

EALP03
ASYMMETRIC WIDE
(Q3AW750)
70000 Lumens
5000k
EALP03_Q3AW750_____.IES

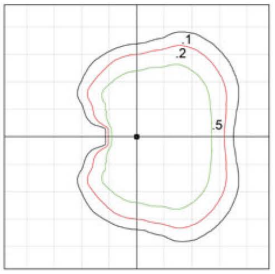


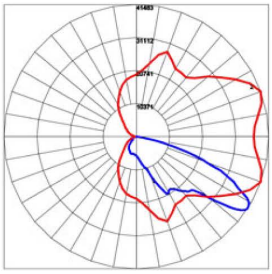


Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

: Vertical plane through horizontal angle of maximum candlepower at 40°
: Vertical plane through horizontal angle 61°

EALP03
ASYMMETRIC FORWARD
(Q4AF750)
70000 Lumens
5000k
EALP03_Q4AF750_____.IES

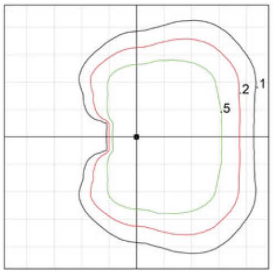


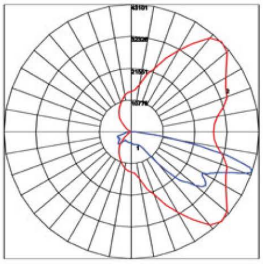


Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

: Vertical plane through horizontal angle of maximum candlepower at 20°
: Vertical plane through horizontal angle 57°

EALP03
ASYMMETRIC FORWARD HIGH ANGLE
(Q4AH750)
67600 Lumens
5000k
EALP03_Q4AH750_____.IES





Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

: Vertical plane through horizontal angle of maximum candlepower at 45°
: Vertical plane through horizontal angle 72°

EVOLVE

EALP Series
LED Outdoor Area Light

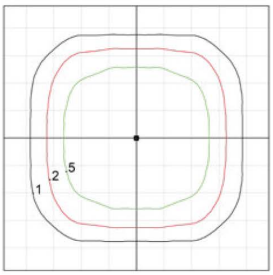
CUSTOMER NAME _____

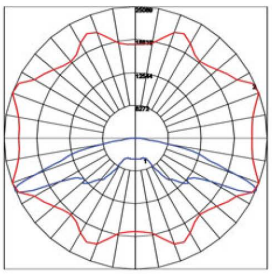
PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

EALP03
SYMMETRIC HIGH ANGLE
(Q5SH750)
67600 Lumens
5000k
EALP03_Q5SH750_____.IES

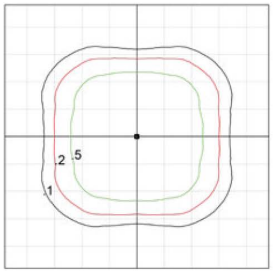


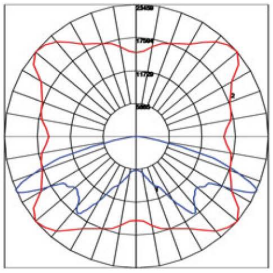


Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

——: Vertical plane through horizontal angle of maximum candlepower at 20°
——: Vertical plane through horizontal angle 66°

EALP03
SYMMETRIC MEDIUM
(Q5SM750)
70000 Lumens
5000k
EALP03_Q5SM750_____.IES

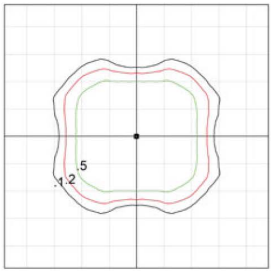


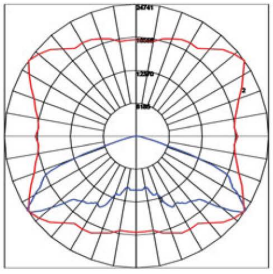


Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

——: Vertical plane through horizontal angle of maximum candlepower at 40°
——: Vertical plane through horizontal angle 65°

EALP03
SYMMETRIC WIDE
(Q5SW750)
70000 Lumens
5000k
EALP03_Q5SW750_____.IES





Gridline spacing is equal to mounting height. Initial footcandle values shown are at grade for 40' mounting height.

——: Vertical plane through horizontal angle of maximum candlepower at 35°
——: Vertical plane through horizontal angle 56°

EVOLVE

EALP Series
LED Outdoor Area Light

CUSTOMER NAME _____

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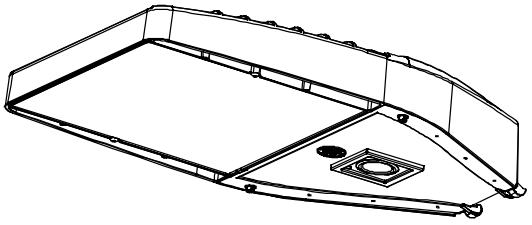
DATE _____ TYPE _____

CATALOG NUMBER _____

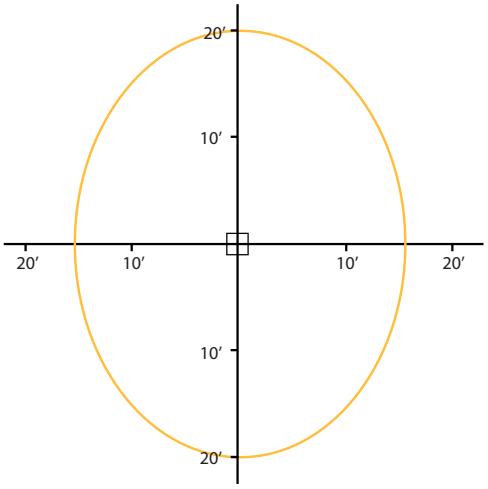
H-Motion Sensing Option

- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Coverage Radius: 15-20' (4.6-6.1 m).
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
  - Output: Occupied - 100%/Unoccupied - 50%
  - Integral PE Sensor.
  - 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.



H1/4 - Motion Sensing Option (WattStopper)

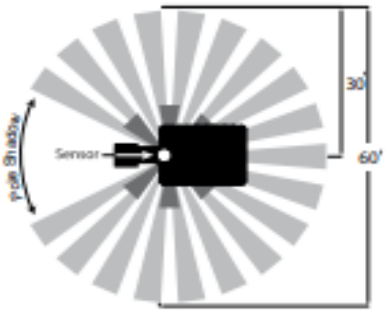
- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Coverage Radius: 15-20' (4.6-6.1 m).
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
  - Output: Occupied - 100%/Unoccupied - 50%
  - PE Sensor: Enabled
  - Ramp/Fade: 5 Minutes/5 Minutes
- Adds < 1W to fixture power rating
- Field programmable using FSIR-100 hand held programmer



Sensing Pattern Area Fixture
Up to 30 ft. Mounting Height

H2 - Daintree Enabled Motion Sensing Option

- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m)
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
  - Output: Occupied - 100%/Unoccupied - 50%
  - PE Sensor: None
  - Ramp/Fade: 5 Minutes/5 Minutes
- Adds < 1W to fixture power rating
- Requires Wide Area Control (WAC)



YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** EALP031SM730NAD1-GRAY	**Line Item#:** 5 Go to Bill of Materials **Type:** BB Powered by 4submittal.com

EVOLVE

EALP Series
LED Outdoor Area Light

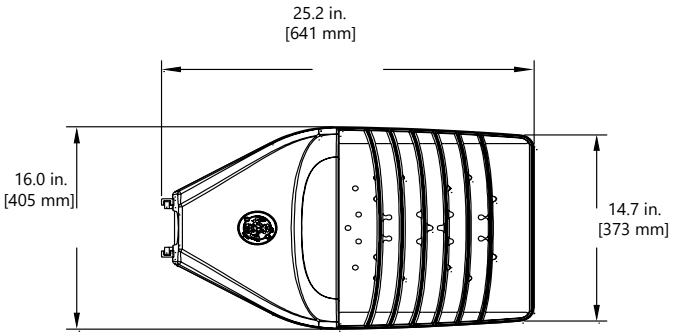
CUSTOMER NAME _____

PROJECT NAME _____

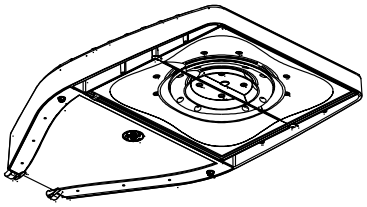
DATE _____ TYPE _____

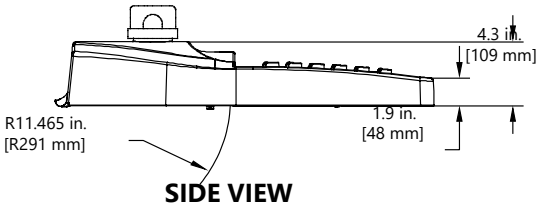
CATALOG NUMBER _____

INTEGRAL SLIPFITTER: C1

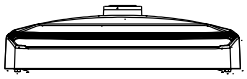


TOP VIEW



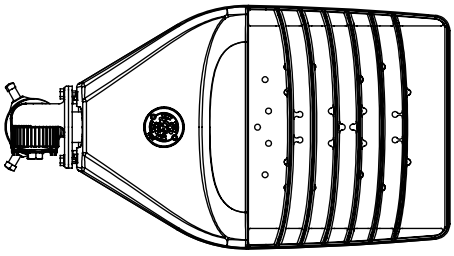


SIDE VIEW

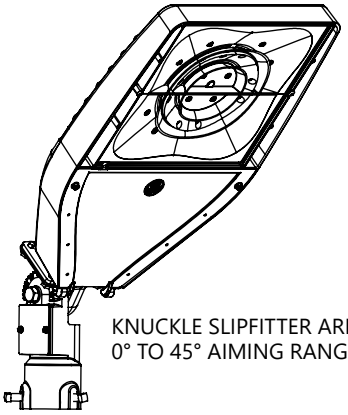


FRONT VIEW

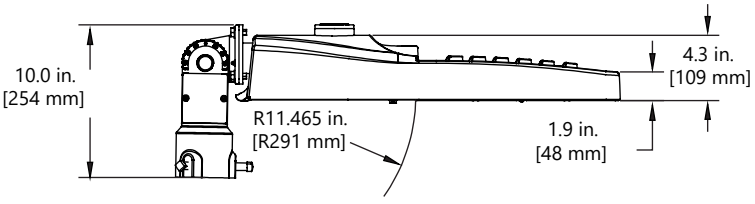
KNUCKLE SLIPFITTER: S1

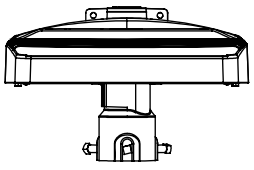


TOP VIEW



KNUCKLE SLIPFITTER ARM MOUNT
0° TO 45° AIMING RANGE





YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** EALP031SM730NAD1-GRAY	**Line Item#:** 5 Go to Bill of Materials **Type:** BB Powered by 4submittal.com

EVOLVE

EALP Series
LED Outdoor Area Light

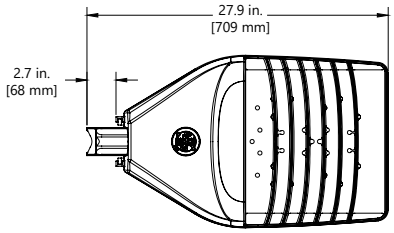
CUSTOMER NAME _____

PROJECT NAME _____

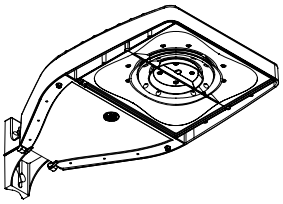
DATE _____ TYPE _____

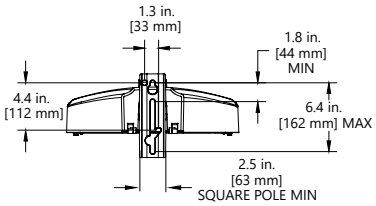
CATALOG NUMBER _____

UNIVERSAL ARM MOUNT: D1

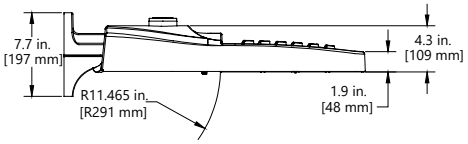


TOP VIEW

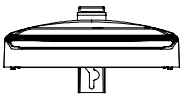




BACK VIEW

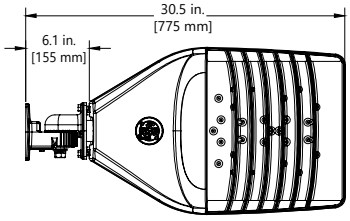


SIDE VIEW

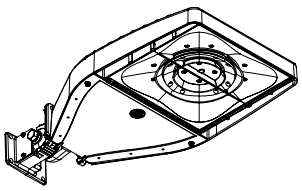


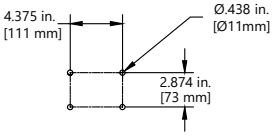
FRONT VIEW

KNUCKLE WALL MOUNT: V1



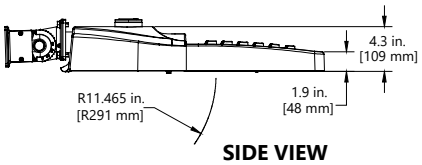
TOP VIEW



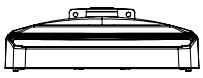


Wall Mount Hole Pattern

BACK VIEW



SIDE VIEW



FRONT VIEW

DATA

- Approximate Net Weight: 26-28 lbs (11.79 kgs-12.97 kgs)
- Effective Projected Area (EPA):
  - Knuckle Slipfitter S1, 45° aim, EPA = 2.45
  - Knuckle w/Slipfitter S1, downward aim, EPA = 0.73
  - Universal Arm Mount D1, EPA = 0.54
  - Knuckle Wall Mount V1, 45° aim, EPA = 0.77 sq ft min and 1.43 sq ft max
  - Integral Slipfitter C1, EPA = 0.63

EVOLVE

EALP Series
LED Outdoor Area Light

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

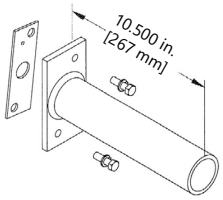
CATALOG NUMBER _____

Mounting Arms for Slipfitter

Order separately with Mounting Option C1 (Slipfitter)

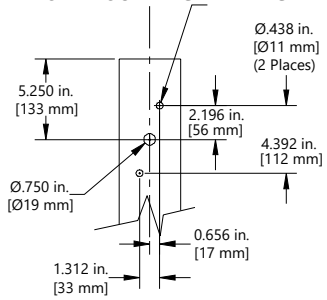
SQUARE POLE MOUNTING ARM

3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



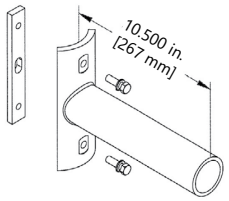
ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK "Black"
SPA-EAMT10DKBZ "Dark Bronze"

SQUARE POLE MOUNTING DRILLING TEMPLATE



ROUND POLE MOUNTING ARM DRILLING TEMPLATE

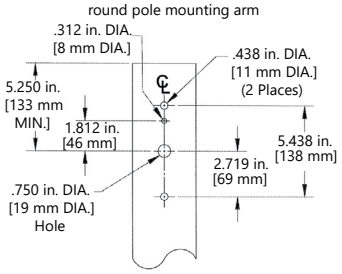
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK "Black"
RPA-EAMT10DKBZ "Dark Bronze"

ROUND POLE MOUNTING DRILLING TEMPLATE

3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm



Wall Mounting Bracket Adapter Plate

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06
*NOTE: For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2" Pipe (2.378 in. OD) supplied with leads.

Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.

SAP NUMBER	PART NUMBER	DESCRIPTION
93123552	WANSI - 277	ANSI 136.41 Dimming PE Daintree Enable, 105-305V
93123553	WANSI - 480	ANSI 136.41 Dimming PE Daintree Enable, 312-530V
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

PE Accessories (to be ordered separately)

SAP NUMBER	PART NUMBER	DESCRIPTION
28299	PECOTL	Standard 120-277V
28294	PEC5TL	Standard 480V
80436	PECDTL	Standard 347V
93147530	PECHTL	Long Life Standard PE, 347-480V
73251	SCCL-PECTL	Shorting Cap
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** EFMH01BB77730-GRAY	**Line Item#:** 6 Go to Bill of Materials **Type:** BB Powered by 4submittal.com

EVOLVE

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

EFMH/EFHH Series

LED Hazardous Location Flood Lights

The Evolve® EFMH and EFHH are a line of Hazardous Location Rated flood lights offering world class performance and durability for industrial, indoor or outdoor applications. Offering both medium output and high output, the EFMH and EFHH series respectively are ideal for severe duty applications including hazardous location ratings listed.

Construction

Housing:	Die cast aluminum housing with slim design
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze, Gray, White
Weight:	25-35 lbs (11.3-15.9 kgs)
Optical Assembly:	Reflective optic with flat glass lens

Optical System

Lumens:	6,400 to 39,000
Wattage:	50 - 196 W (EFMH) & 150 - 297 W (EFHH)
Efficacy:	104 - 156 LPW (EFMH) & 115 - 140 LPW (EFHH)
CCT:	3000K, 4000K, 5000K options
CRI:	70

Electrical

Input Voltage:	120-277 V & 347-480
Input Frequency:	50/60Hz
Power Factor*:	>90%*
Total Harmonic Distortion*:	<20%.*
Surge Protection:	ANSI 136.2-2015 6kV/3kA “Basic”
EMI:	Title 47 CFR15 Class A

***PF and THD may vary with options**

Controls

Dimming:	Not Available

IP66 Optical · RoHS Compliant · Hazardous Environments · 5 Year Warranty

Lumen Maintenance

Projected Lxx per IES TM-21 at 25°C

EMFH01 OPTICAL	DISTRIBUTION	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
BB, CC, DD	65, 66, 76,& 77	L95	L92	L91
EE, FF	65, 66, 76,& 77	L93	L88	L86

EMHH01 OPTICAL	DISTRIBUTION	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
BB, CC, DD, EE	65, 66, 76,& 77	L95	L91	L90

Note: Projected Lxx based on LM80 (10,000 hour testing). Accepted industry tolerances apply to initial

Luminaire Ambient Temperature Factor

TYPE	TEMPERATURE RATE
Operating Temperature	–40°C to +50°C

Ratings

LM-79:	Tests and reports in accordance with IESNA standards
Safety:	UL/cUL Listed, suitable for wet locations
UL 1598:	Suitable for wet locations
UL 1598A:	Outside Type (Saltwater)
UL844:	Listed — Class I Div 2, Group A, B, C, and D (Zone 2) — Class II Div 2, Group F & G (Zone 22) — Class III Div 1& 2 — For Indoor and Outdoor Applications
IP66:	Optical enclosure per ANSI C136.25-2009
Vibration:	3G vibration level per ANSI C136.31-2010

Warranty

☐ 5 Year (Standard)

Please refer to document IND599 for more information.

EVOLVE

EFMH/EFHH Series

LED Hazardous Location Flood Lights

CUSTOMER NAME ____________________
PROJECT NAME ____________________
DATE ____________ TYPE ____________
CATALOG NUMBER ____________________

Ordering Information

EFMH 01 7
---- -- - -- -- - -- - - -- ---- ----

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve FM = Flood Medium H = Hazardous	01	0 = 120-277V H = 347-480V			7 = 70	30= 3000K 40 = 4000K 50 = 5000K	N = No PE Receptacle & Non Dimmable	A = No Control	T2 = Trunnion with conduit entry	BLCK = Black DKBZ = Dark Bronze GRAY = Gray WHTE = White	L = Tool-Less Entry XXX = Special Options

OPTICAL CODE	DIST. CODE	OPTICAL DIST./ NEMA CLASS	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE	IES FILE NUMBER		
			3000K	4000K/ 5000K	120-277V 347-480V	3000K 120-277V 347-480V	4000K 120-277V 347-480V	5000K 120-277V 347-480V
BB	77	7 x 7	9800	10000	64	EFMH01_BB77730_.IES	EFMH01_BB77740_.IES	EFMH01_BB77750_.IES
CC	77	7 x 7	14700	15000	96	EFMH01_CC77730_.IES	EFMH01_CC77740_.IES	EFMH01_CC77750_.IES
DD	77	7 x 7	20400	20900	146	EFMH01_DD77730_.IES	EFMH01_DD77740_.IES	EFMH01_DD77750_.IES
EE	77	7 x 7	23400	24000	175	EFMH01_EE77730_.IES	EFMH01_EE77740_.IES	EFMH01_EE77750_.IES
FF	77	7 x 7	26200	27000	196	EFMH01_FF77730_.IES	EFMH01_FF77740_.IES	EFMH01_FF77750_.IES
BB	76	7 x 6	9500	9700	64	EFMH01_BB76730_.IES	EFMH01_BB76740_.IES	EFMH01_BB76750_.IES
CC	76	7 x 6	14300	14600	96	EFMH01_CC76730_.IES	EFMH01_CC76740_.IES	EFMH01_CC76750_.IES
DD	76	7 x 6	19900	20400	146	EFMH01_DD76730_.IES	EFMH01_DD76740_.IES	EFMH01_DD76750_.IES
EE	76	7 x 6	23300	23900	175	EFMH01_EE76730_.IES	EFMH01_EE76740_.IES	EFMH01_EE76750_.IES
FF	76	7 x 6	25600	26300	196	EFMH01_FF76730_.IES	EFMH01_FF76740_.IES	EFMH01_FF76750_.IES
BB	66	6 x 6	9400	9600	64	EFMH01_BB66730_.IES	EFMH01_BB66740_.IES	EFMH01_BB66750_.IES
CC	66	6 x 6	14200	14500	96	EFMH01_CC66730_.IES	EFMH01_CC66740_.IES	EFMH01_CC66750_.IES
DD	66	6 x 6	19700	20200	146	EFMH01_DD66730_.IES	EFMH01_DD66740_.IES	EFMH01_DD66750_.IES
EE	66	6 x 6	22900	23500	175	EFMH01_EE66730_.IES	EFMH01_EE66740_.IES	EFMH01_EE66750_.IES
FF	66	6 x 6	25200	23900	196	EFMH01_FF66730_.IES	EFMH01_FF66740_.IES	EFMH01_FF66750_.IES
BB	65	6 x 5	8900	9100	64	EFMH01_BB65730_.IES	EFMH01_BB65740_.IES	EFMH01_BB65750_.IES
CC	65	6 x 5	13400	13700	96	EFMH01_CC65730_.IES	EFMH01_CC65740_.IES	EFMH01_CC65750_.IES
DD	65	6 x 5	18700	19100	146	EFMH01_DD65730_.IES	EFMH01_DD65740_.IES	EFMH01_DD65750_.IES
EE	65	6 x 5	21600	22200	175	EFMH01_EE65730_.IES	EFMH01_EE65740_.IES	EFMH01_EE65750_.IES
FF	65	6 x 5	23800	24400	196	EFMH01_FF65730_.IES	EFMH01_FF65740_.IES	EFMH01_FF65750_.IES

LUMINAIRE	OPERATING TEMPERATURE CODE		
	CLASS 1, DIV. 2 GROUP A, B, C, & D ZONE 2 GROUP IIA, IIB, IIC, & IIB PLUS HYDROGEN	CLASS II, DIV. 2 GROUP F & G ZONE 22	CLASS 1, DIV. 2 & CLASS II, DIV. 2 SIMULTANEOUS
EFMH	T3A	T3A	T3A
EFHH	T3A	T3A	T3A

EVOLVE

EFMH/EFHH Series

LED Hazardous Location Flood Lights

CUSTOMER NAME ______________________

PROJECT NAME ______________________

DATE ______________ TYPE ______________

CATALOG NUMBER ______________________

Ordering Information

E F H H ---- | 01 -- | - | -- | -- | 7 - | -- | - | - | -- | ---- | ----

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve	01	0 = 120-277V			7 = 70	30= 3000K	N = No PE Receptacle & Non Dimmable	A = No Control	T2 = Trunnion with conduit entry	BLCK = Black	L = Tool-Less Entry
FH = Flood High Output		H = 347-480V				40 = 4000K				DKBZ = Dark Bronze	XXX = Special Options
H = Hazardous						50 = 5000K				GRAY = Gray	
										WHTE = White	

OPTICAL CODE	DIST. CODE	OPTICAL DIST./ NEMA CLASS	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
			3000K	4000K	5000K	120-277V 347-480V	120-277V 347-480V	120-277V 347-480V	120-277V 347-480V
AA	77	7 x 7	18900	19300	19500	150	EFHH01_AA77730_.IES	EFHH01_AA77740_.IES	EFHH01_AA77750_.IES
BB	77	7 x 7	26300	26800	27100	194	EFHH01_BB77730_.IES	EFHH01_BB77740_.IES	EFHH01_BB77750_.IES
CC	77	7 x 7	29100	29700	30000	218	EFHH01_CC77730_.IES	EFHH01_CC77740_.IES	EFHH01_CC77750_.IES
DD	77	7 x 7	34000	34700	35000	266	EFHH01_DD77730_.IES	EFHH01_DD77740_.IES	EFHH01_DD77750_.IES
EE	77	7 x 7	37900	38700	39000	297	EFHH01_EE77730_.IES	EFHH01_EE77740_.IES	EFHH01_EE77750_.IES
AA	76	7 x 6	18500	18800	19000	150	EFHH01_AA76730_.IES	EFHH01_AA76740_.IES	EFHH01_AA76750_.IES
BB	76	7 x 6	25700	26200	26500	194	EFHH01_BB76730_.IES	EFHH01_BB76740_.IES	EFHH01_BB76750_.IES
CC	76	7 x 6	28400	29000	29300	218	EFHH01_CC76730_.IES	EFHH01_CC76740_.IES	EFHH01_CC76750_.IES
DD	76	7 x 6	33200	33900	34200	266	EFHH01_DD76730_.IES	EFHH01_DD76740_.IES	EFHH01_DD76750_.IES
EE	76	7 x 6	37100	37800	38100	297	EFHH01_EE76730_.IES	EFHH01_EE76740_.IES	EFHH01_EE76750_.IES
AA	66	6 x 6	18200	18600	18800	150	EFHH01_AA66730_.IES	EFHH01_AA66740_.IES	EFHH01_AA66750_.IES
BB	66	6 x 6	25400	25900	26200	194	EFHH01_BB66730_.IES	EFHH01_BB66740_.IES	EFHH01_BB66750_.IES
CC	66	6 x 6	28100	28700	29000	218	EFHH01_CC66730_.IES	EFHH01_CC66740_.IES	EFHH01_CC66750_.IES
DD	66	6 x 6	32800	33500	33800	266	EFHH01_DD66730_.IES	EFHH01_DD66740_.IES	EFHH01_DD66750_.IES
EE	66	6 x 6	36600	37400	37700	297	EFHH01_EE66730_.IES	EFHH01_EE66740_.IES	EFHH01_EE66750_.IES
AA	65	6 x 5	17300	17700	17900	150	EFHH01_AA65730_.IES	EFHH01_AA65740_.IES	EFHH01_AA65750_.IES
BB	65	6 x 5	24100	24600	24800	194	EFHH01_BB65730_.IES	EFHH01_BB65740_.IES	EFHH01_BB65750_.IES
CC	65	6 x 5	26700	27200	27500	218	EFHH01_CC65730_.IES	EFHH01_CC65740_.IES	EFHH01_CC65750_.IES
DD	65	6 x 5	31200	31800	32100	266	EFHH01_DD65730_.IES	EFHH01_DD65740_.IES	EFHH01_DD65750_.IES
EE	65	6 x 5	34800	35500	35800	297	EFHH01_EE65730_.IES	EFHH01_EE65740_.IES	EFHH01_EE65750_.IES

EVOLVE

EFMH/EFHH Series

LED Hazardous Location Flood Lights

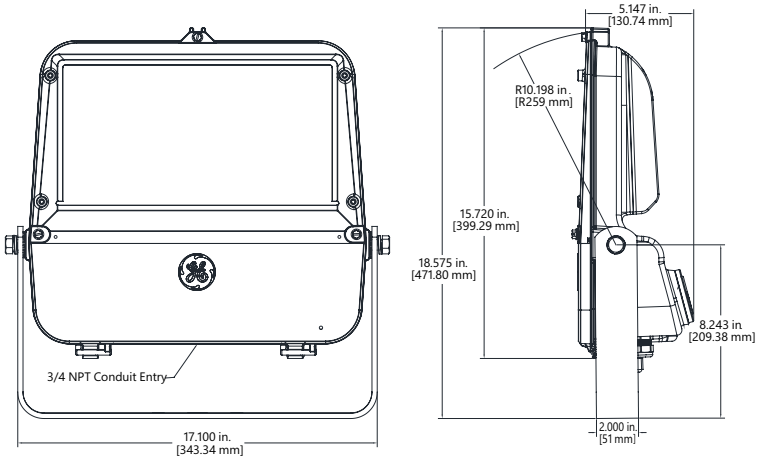
CUSTOMER NAME _____

PROJECT NAME _____

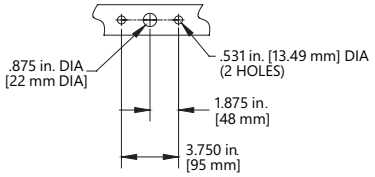
DATE _____ TYPE _____

CATALOG NUMBER _____

TRUNNION MOUNT EFMH PRODUCT DIMENSIONS



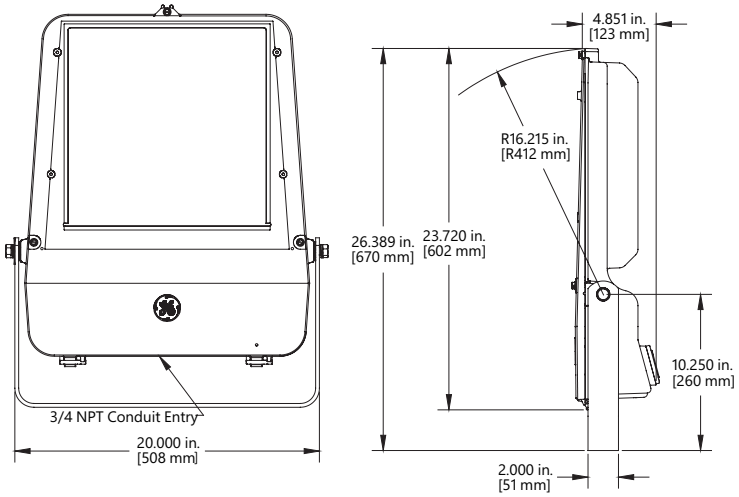
Mounting Drill Template



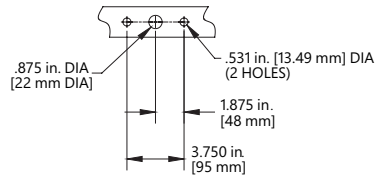
DATA

- **Approximate net weight:** 25 lbs (11.34 kgs)
- **Effective Projected Area:**
  - — 0° aim (vertical glass) 1.96 sq. ft.
  - — 45° aim 1.22 sq. ft.
  - — Side profile (all aims) 0.73 sq. ft.
  - — 90° (downward) aim 0.79 sq. f

TRUNNION MOUNT EFHH PRODUCT DIMENSIONS



Mounting Drill Template



DATA

- **Approximate net weight:** 35 lbs (15.9 kgs)
- **Effective Projected Area:**
  - — Vertical 3.51 sq. ft. (0.33 sq. M) (aimed at horizon)
  - — Tilted 1.79 sq. ft. (0.17 sq. M) (aimed down 45° degrees).

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** MRI-R6DNLT/RPS-35-18-W / MRI-R6DNLT/RPS-RPS2/10-UNV / MRI-R6DNLT/RPS-RFFILTER30A	**Line Item#:** 7 Go to Bill of Materials **Type:** Powered by 4submittal.com

Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

Fail-Safe

MRI-R6DNLT/RPS

6" MRI Downlight
Remote Power Supply

Typical Applications:

Healthcare • MRI Suites

Interactive Menu

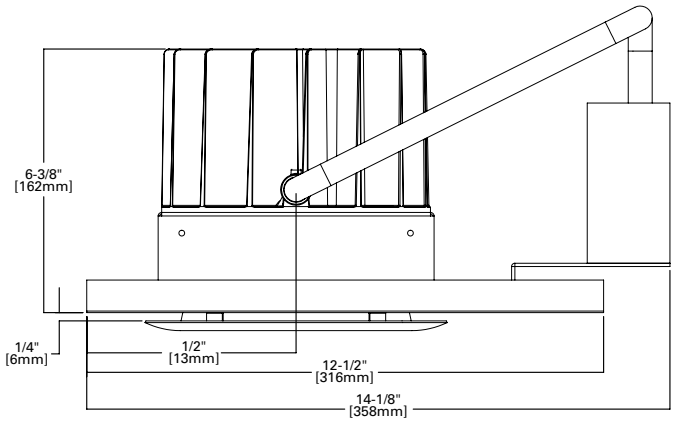
Product Certification

Product Features

Top Product Features

- Remote Power Supply
- 1800 Lumens
- Non-Ferrous
- 6" Aperture
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details



Fail-Safe MRI-R6DNLT/RPS

Order Information

SAMPLE ORDER NUMBER: **1. Downlight: MRI-R6DNLT/RPS-40-18-S**
2. Remote Power Supply (Remote Driver): MRI-R6DNLT/RPS-RPS2/10-UNV
3. Filter: MRI-R6DNLT/RPS-RFFILTER30A

Downlight

Domestic Preferences | Fixture Series | Color Temperature | Lumen Output | Trim Finish

Domestic Preferences [1]	Fixture Series	Color Temperature	Lumen Output	Trim Finish
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**MRI-R6DNLT/RPS**=6" Remote Power Supply MRI Downlight	**30**=3000K **35**=3500K **40**=4000K	**18**=1750	**S**=Specular Clear **W**=Anti-Microbial, Matte White
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.				

Remote Power Supply (Remote Driver)

Domestic Preferences | Fixture Series | Driver Output | Voltage

Domestic Preferences [1]	Fixture Series	Driver Output	Voltage
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**MRI-R6DNLT/RPS**=6" Remote Power Supply MRI Downlight	**RPS1/2**=1 to 2 Fixture Remote Power Supply [2] **RPS2/10**=2 to 10 Fixture Remote Power Supply [3] **RPS11/15**=11 to 15 Fixture Remote Power Supply [4]	**UNV**=120V-277V
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		**Notes** (2) RPS1/2 requires 1 filter. (3) RPS2/10 requires 2 filters. (4) RPS11/15 requires 3 filters	

Filter

Domestic Preferences | Fixture Series | Filter

Domestic Preferences [1]	Fixture Series	Filter
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**MRI-R6DNLT/RPS**=6" Remote Driver MRI Downlight	**RFFILTER30A**=RF Facility Filter 30amps
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		

Product Specifications

Construction
- Non-ferrous construction, absence of UV, and elimination of RF emissions so as to not interfere with the MRI operation, allows the MRI-R6DNLT/RPS system to comply with the MRI vendor requirements for LED lighting.

Trim
- Non-ferrous regressed specular clear or anti-microbial matte white trim with diffuse lens for increased visual comfort.

Trim Retention
- Two non-ferrous torsion springs securely attach the trim to the housing.

Plaster Frame
- Plaster frame constructed of non-ferrous aluminum.

Fasteners
- Non-ferrous screws and rivets.

Thermal
- Die-cast aluminum, Type 3003-H14, non-ferrous radial top fins for optimal heat dissipation and cool running operation.

LED (Light-Emitting Diode)
- Available 3000K, 3500K, and 4000K color temperature. Nominal 85CRI.
- Rated for 50,000 hours at 70% lumen maintenance.
- Color variation within 3-step MacAdam ellipses.

Junction Box
- Heavy gauge non-ferrous aluminum with two knock-outs.

Driver/Power Supply
- Electronic remote power supply provides power from outside the shielded MRI room, within the remote power supply enclosure.

Dimming
- Proprietary low voltage dimming system, included with each remote power supply.

Compliance
- Thermally protected and UL/cUL listed.

Warranty
- 3-year warranty on LED housings, LED modules, and LED trims.

Fail-Safe MRI-R6DNLT/RPS

Examples of Necessary Components with Different Scenerios

View IES files

Downlight Qty.	Remote Power Supply	Filter	Filter Qty.
1-2	MRI-R6DNLT/RPS-RPS1/2-UNV	MRI-R6DNLT/RPS-RFFILTER30A	1
2-10	MRI-R6DNLT/RPS-RPS2/10-UNV	MRI-R6DNLT/RPS-RFFILTER30A	2
11-15	MRI-R6DNLT/RPS-RPS11/15-UNV	MRI-R6DNLT/RPS-RFFILTER30A	3

Example MRI SUITE: (1) 8-downlight circuit

Qty.	Description	Catalog #
8	Downlight	MRI-R6DNLT/RPS-40-18-S
1	Remote Power Supply	MRI-R6DNLT/RPS-RPS2/10-UNV
2	RF Filter 30AMP	MRI-R6DNLT/RPS-RFFILTER30A

Example MRI SUITE: (1) 13-downlight circuit and (1) 2-downlight circuit

Qty.	Description	Catalog #
15	Downlight	MRI-R6DNLT/RPS-35-18-W
1	Remote Power Supply	MRI-R6DNLT/RPS-RPS11/15-UNV
1	Remote Power Supply	MRI-R6DNLT/RPS-RPS1/2-UNV
4	RF Filter 30AMP	MRI-R6DNLT/RPS-RFFILTER30A

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** GL13-APD-1-4-70LA-6435-NW-120-BRP-LF	**Line Item#:** 8 Go to Bill of Materials **Type:** B Powered by 4submittal.com

GARDCO by signify

Site & Area

Gullwing LED

Small, GL13

Philips Gardco Gullwing LED GL13 area luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide

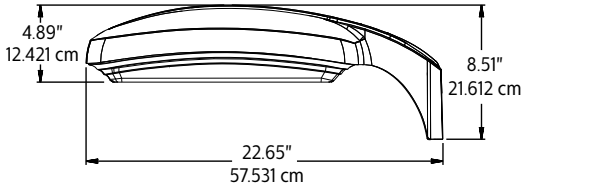
Example: GL13-APD-1-4-70LA-6435-NW-120-BRP-LF

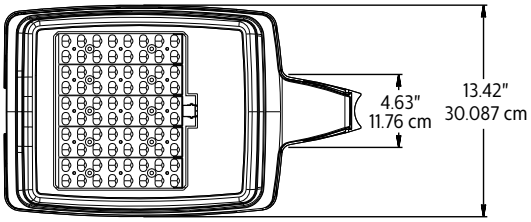
Prefix	Controls	Mounting	Optical System[4]	Wattage	LED Color	Voltage	Finish	Options
GL13 13" Gullwing LED Luminaire Constant Wattage	— Gullwing Standard Luminaire	**1** Single	**2** Type 2	**70LA-6435** 64 LEDs, 350mA	**NW** Neutral White 4000K, 70 min. CRI	**120**	**BLP** Black Paint	**F**[5] Fusing
GL13-RK 13" Gullwing LED Retrofit Kit	**GL13-DIM** 13" Gullwing LED with 0-10V Dimming	**2** 2 @ 180°	**3** Type 3	**85LA-8035** 80 LEDs, 350mA	**CW** Cool White 5700K, 70 min. CRI	**208**	**WP** White Paint	**LF**[5] In-Line/In-Pole Fusing
	GL13-APD[1] 13" Gullwing LED with Automatic Profile Dimming	**2@90** 2 @ 90°	**4** Type 4	**105LA-6453** 64 LEDs, 530mA	**WW** Warm White 3000K, 70 min. CRI	**240**	**BRP** Bronze Paint	**PC**[2,5,6] Photocontrol and Receptacle (Includes PCR5)
	GL13-MRI[2,3] 13" Gullwing LED with Motion Response at 50% Low (luminaire mounted sensor)	**3** 3@90°	**5** Type 5			**277**	**NP** Natural Aluminum Paint	**PCR5**[2,7,8] Photocell Receptacle only with 2 dimming connections
	GL13-APD-MRI[2,3] 13" Gullwing LED with APD with Motion Response Override (luminaire mounted sensor)	**3@120** 3@120°				**347**	**OC** Optional Color *Specify optional color or RAL ex: OC-LGP or OC-RAL7024.*	**PCR7**[2,6,7] Photocell Receptacle only with 2 dimming and 2 auxiliary connections
	Network system (SiteWise)	**4** 4@90°				**480**	**SC** Special Color Specify. *Must supply color chip. Requires factory quote.*	**HS** External House side Shield
	SW Integral module[3,12]	**W** Wall Mount, Recessed J-Box				**UNV** (120-277V)		**IS** Internal House side Shield (types 2, 3, 4 only)
	SW-MRI Luminaire mounted motion response option	**WS** Wall Mount, Surface Conduit				**HVU** (347-480V)		**MA** Mast Arm Fitter Mounts to a 2-3/8" O.D. mast arm.
								TR1[9] Single Transition
								TR2[9] Twin Transition
								PTF2[10] Pole Top Fitter 2 3/8" - 3" Dia. Tenon
								PTF3[10] Pole Top Fitter 3" - 3 1/2" Dia. Tenon
								PTF4[10] Pole Top Fitter 3 1/2" - 4" Dia. Tenon
								SPA[11] Square Pole Adapter
								DL[4] Diffuse Lens

1. Available **120-277V**.
2. Not available with Retrofit Kits (**GL13-RK**).
3. Available **120** or **277V** only.
4. Luminaire door frame and optic assembly provided standard with clear tempered glass lens.
5. Voltage must be specified.
6. Not available with **480V**.
7. Works with 3-pin or 5-pin NEMA photocell/dimming device.
8. If ordered with **DIM**, **APD**, **MRI**, **APD-MRI**, dimming will not be connected to NEMA receptacle.
9. Mounts to a 2-3/8" Top Tenon. Specify a round pole with a 3.0" top O.D. for a smooth transition.
10. Not available in 120° mounting configurations.
11. Required for mounting to straight square poles.
12. **SW** option is not available with any other control options with the exception of **SW-MRI** motion response options.

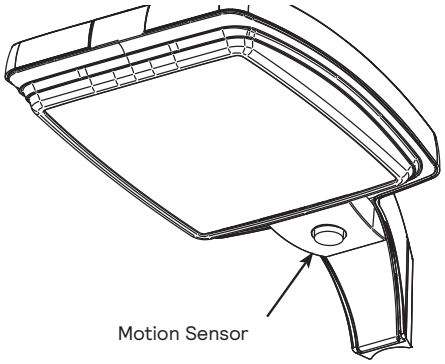
Gullwing G13 LED area luminaire, small

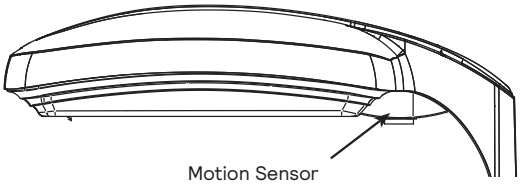
Dimensions and EPA





GL13-MRI or GL13-APD-MRI Units





EPA Data

1	2	3-4
.8 ft²	1.6 ft²	2.2 ft²
.07 m²	.15 m²	.20 m²

Approximate Weight Single Luminaire

33 lbs / 14.969 kg

Technical Data

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts[12]	Color Temp.	Type 2 Lumen Output[13, 14]	Type 2 Efficacy (LPW)	Type 2 BUG Rating	Type 3 Lumen Output[13,14]	Type 3 Efficacy (LPW)	Type 3 BUG Rating
70LA-6435	64	350	70	4000K	6652	95	B2-U0-G1	6750	96	B1-U0-G2
85LA-8035	80	350	86	4000K	8064	95	B2-U0-G1	8173	95	B1-U0-G2
105LA-6453	64	530	101	4000K	9870	97	B2-U0-G2	9385	93	B2-U0-G2

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts[12]	Color Temp.	Type 4 Lumen Output[13, 14]	Type 4 Efficacy (LPW)	Type 4 BUG Rating	Type 5 Lumen Output[13, 14]	Type 5 Efficacy (LPW)	Type 5 BUG Rating
70LA-6435	64	350	70	4000K	6731	96	B1-U0-G2	6657	95	B3-U0-G1
85LA-8035	80	350	86	4000K	8027	94	B1-U0-G2	8025	93	B3-U0-G2
105LA-6453	64	530	101	4000K	9388	93	B2-U0-G2	9139	90	B3-U0-G2

12. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.
13. Contact *Outdoorlighting.applications@philips.com* for values not listed or if approximate estimates are required for design purposes.
14. LED arrays feature LEDs that provide from 90 to 100 lumens per watt when operated at 350 mA. Lumen values based on tests performed in compliance with IESNA LM-79.

Gullwing G13 LED area luminaire, small

Luminaire Configuration Information

GL13

Philips Gardco Gullwing LED standard luminaire providing constant wattage and constant light output when power to the luminaire is energized.

GL13-DIM

Philips Gardco Gullwing LED luminaire provided with 0 -10V dimming for connection to a control system provided by Philips or by others.

GL13-APD

Philips Gardco Gullwing LED luminaire with Automatic Profile Dimming. Luminaire is provided with Dynadimmer, programmed to go to 50% power, 50% light output two (2) hours prior to night time mid-point and remain at 50% for six (6) hours after night time mid-point. Mid-point is continuously recalculated by the Dynadimmer based on the average mid-point of the last two full night cycles. Short duration cycles, and power interruptions are ignored and do not affect the determination of mid-point.

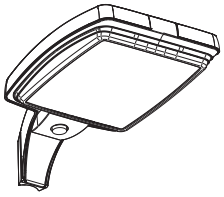
GL13-APD Dimming Profile:

100%	2 hours	6 hours	100%
	50%	50%	

Power On **Mid Point** **Power Off**

The GL13-APD offers many of the advantages of a sophisticated control system, including an average energy savings of at least 33% versus constant wattage, constant light output systems, without the need for a control system.

GL13-MRI (Luminaire mounted sensor)



Luminaires with Integral Motion Sensor include the DynaDimmer module and an integral motion sensor. The location of the integral motion sensor is shown on page 2. The DynaDimmer is programmed to provide 50% power and light output, unless motion is detected. Power supplied by the motion sensor connected to the override line on the DynaDimmer takes the luminaire to high setting, 100% power and light output, when motion is detected. The luminaire remains on high until no motion is detected for the motion sensor duration period, after which the luminaire returns to low. Duration period is factory set at 15 minutes. Duration period is field adjustable. Available from 120V to 277V input only.

MRI luminaires are provided with the WattStopper FS-355-L3W motion sensor, with a maximum recommended 20 ft. mounting height. The area coverage and range of the integral sensors make them most suitable for applications not requiring longe range detection.

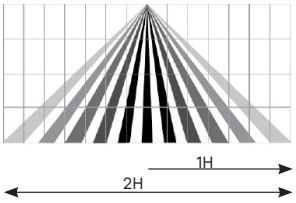
GL13-APD- MRI (Luminaire mounted sensor)

Luminaires with Automatic Profile Dimming and Motion Response Override with integral morion sensor, (APD-MRI) combine the benefits of automatic profile dimming and motion response. The luminaire will dim to 50% power, 50% light output, per the APD dimming profile. If motion is detected during the time the luminaire is operating at 50%, the luminaire returns to 100% power and light output. The luminaire remains on high until no motion is detected for the duration period, after which the luminaire returns to low. Duration period is factory set at 15 minutes. Duration period is field adjustable. APD-MRI luminaires use the identical motion sensor as MRI lumaires. See motion sensor details above. Available from 120V to 277V input only.

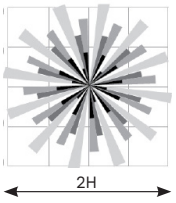
APD-MRI luminaires are available from 120V to 277V (UNIV) input voltages only.

APD-MRI luminaires use the identical motion sensor as MRI luminaires. See motion sensor details for GL13-MRI.

Side Coverage Pattern

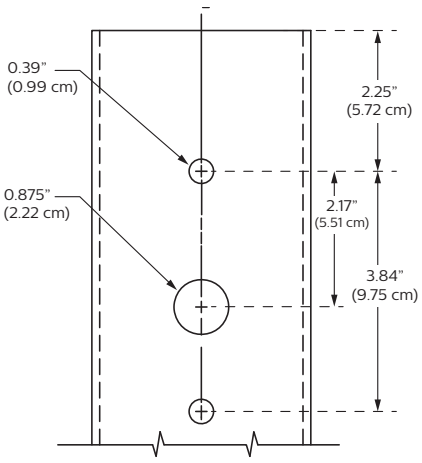


Top Coverage Pattern



Distances are approximate.
H = height above ground

GL13 Drill Template



SW

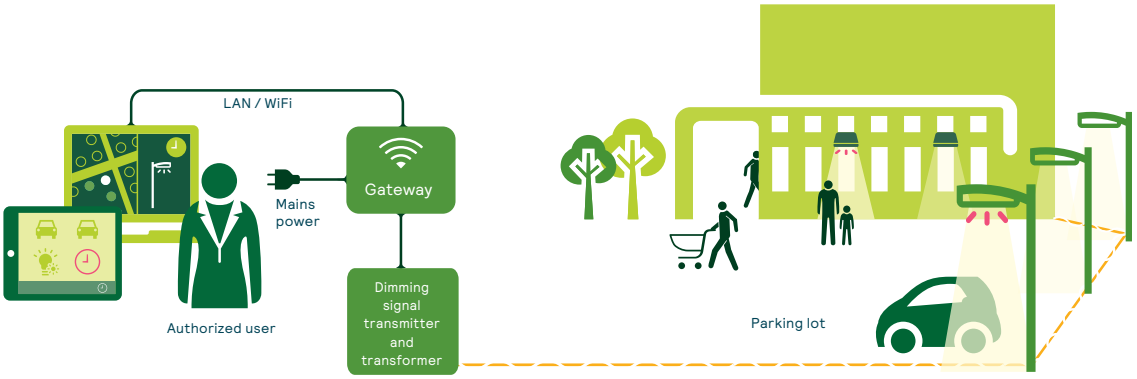
SiteWise option is a fully integrated controller that connects to Philips SiteWise system in order to offer a complete area lighting management system. The communication signal is based on Philips patented central dimming technology. SiteWise delivers it deliver optimal energy savings using your site's existing cabling. No additional wiring required, installation and commissioning are simple. An intuitive, mobile app makes it easy for authorized users to set schedules to meet site specific lighting needs, local regulations, and energy codes.

Gullwing G13 LED area luminaire, small

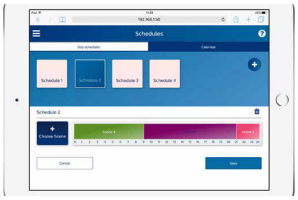
SiteWise system

SiteWise is a complete area lighting management system including a luminaire integrated controller, dimming signal transmitter cabinet, and locally accessible user interface. Installation and commissioning are simple. The cabinet communicates with the Philips luminaires using a patented central dimming technology. The control signal is embedded on the existing electrical line – no new cabling is required. An intuitive, locally accessible interface makes it easy for authorized users to set schedules in order to meet site specific lighting needs, local regulations, and energy codes.

SiteWise system diagram



SiteWise system interface



SiteWise has an intuitive user interface that makes it easy to plan, edit, and implement lighting schedules for your site. Authorized users can access the interface via a local app.

To ensure that only authorized users can access your lighting, SiteWise offers two user types, each with different permissions. An advanced user, or administrator, can set and edit schedules using the ten pre-set scenes, assign those schedules to calendar days, and check system status.

For everyday use, a basic user can manually override a schedule that is currently running but cannot create or edit schedules.

SiteWise system specifications

The SiteWise system includes both luminaires and controls. The controls used for SiteWise are circuit load dependent. Required for a complete installation are the following Philips SiteWise components: user interface, control kit, dimming signal transmitter cabinet, and dimming signal receiver located in the Philips luminaire (**SW** option). Optional luminaire-integrated or external motion sensors may also be specified as required. Within the electrical closet, the control kit and dimming signal transmitter cabinet are installed into the electrical system between the existing breaker panel and the site luminaires. New LED luminaires containing the dimming signal receiver are installed on the site. Once completed, use of the interface allows for scheduling and override capabilities. Wireless access point and tablet should be supplied by others. Complete information on the control system can be found on the SiteWise website at **philips.com/sitewise**

Gullwing G13 LED area luminaire, small

Specifications

General Description

The Philips Gardco Gullwing LED GL13 area luminaire is defined by its high performance, sleek profile and rugged construction. Gullwing LED luminaires combine LED performance excellence and advanced Philips Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Housing

A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only 0.8 ft^2 /.07 m^2.

IP Rating

Gullwing LED 13" optics are IP65 rated.

Thermal Management

The Philips Gardco Gullwing LED provides extruded aluminum integral thermal radiation fins to provide the excellent thermal management so critical to long LED system life.

LED Optical System

LED arrays are set to achieve IES Type II, Type III, Type IV, and Type V, available with internal shields for back light control. Individual LED arrays are replaceable. Luminaires feature high performance Class 1 LED systems.

Electrical

Luminaires are equipped with an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

SiteWise network system

SiteWise system includes a controller fully integrated in the luminaire that enables the luminaires to communicate with a dimming signal transmitter cabinet located on site using Philips patented central dimming technology. A locally accessible mobile app allows users to access the system and set functionalities such as ON/OFF, dimming levels and scheduling. SiteWise is available with motion response options in order to bring the light back to 100% when motion is detected. Additional functionalities are available such as communication with indoor lighting and connection to BMS systems.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

Labels

All luminaires bear UL or CUL (where applicable) Wet Location labels.

Limited Warranty

5 year limited warranty. See philips.com/luminaires for complete details and exclusions.

LED Performance:

PREDICTED LUMEN DEPRECIATION DATA[15]				
Ambient Temperature °C	Driver mA	Calculated L_{70} Hours[15,16]	L_{70} Per TM-21[16,17]	Lumen Maintenance % @ 60,000 hours
25°C	up to 530 mA	>100,000	>60,000	82%

15. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
16. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output.
17. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours.

Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Téléphone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Téléphone 800-668-9008

www.gardcolighting.com

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** GL13-APD-1-4-70LA-6435-NW-120-BRP-LF	**Line Item#:** 8 Go to Bill of Materials **Type:** B Powered by 4submittal.com

GARDCO by signify

Site & Area

Gullwing LED

Small, GL13

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10. Not available in 120° mounting configurations.
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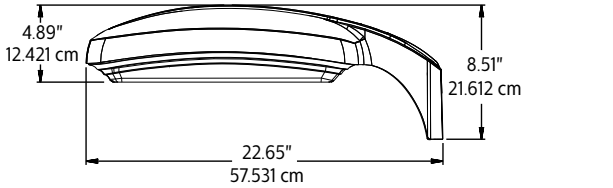
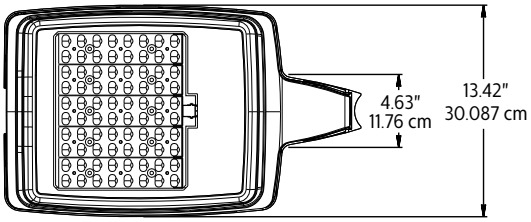
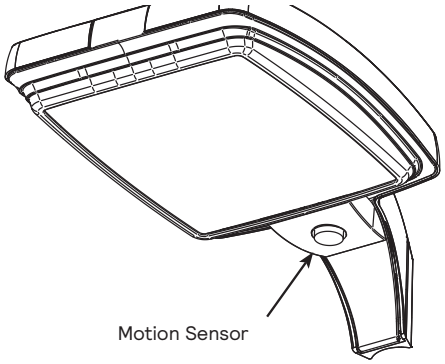
Gullwing G13 LED area luminaire, small

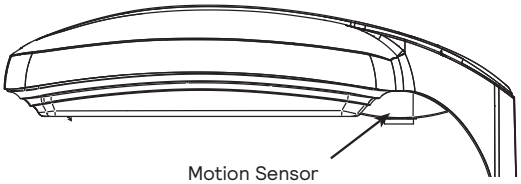
Dimensions and EPA





GL13-MRI or GL13-APD-MRI Units





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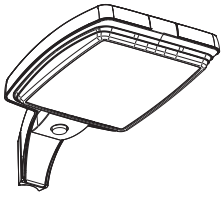
The GL13-APD offers many of the advantages of a sophisticated control system, including an average energy savings of at least 33% versus constant wattage, constant light output systems, without the need for a control system.

GL13-MRI (Luminaire mounted sensor)



Luminaires with Integral Motion Sensor include the DynaDimmer module and an integral motion sensor. The location of the integral motion sensor is shown on page 2. The DynaDimmer is programmed to provide 50% power and light output, unless motion is detected. Power supplied by the motion sensor connected to the override line on the DynaDimmer takes the luminaire to high setting, 100% power and light output, when motion is detected. The luminaire remains on high until no motion is detected for the motion sensor duration period, after which the luminaire returns to low. Duration period is factory set at 15 minutes. Duration period is field adjustable. Available from 120V to 277V input only.

MRI luminaires are provided with the WattStopper FS-355-L3W motion sensor, with a maximum recommended 20 ft. mounting height. The area coverage and range of the integral sensors make them most suitable for applications not requiring longe range detection.

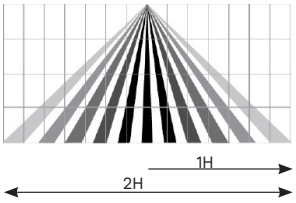
GL13-APD- MRI (Luminaire mounted sensor)

Luminaires with Automatic Profile Dimming and Motion Response Override with integral morion sensor, (APD-MRI) combine the benefits of automatic profile dimming and motion response. The luminaire will dim to 50% power, 50% light output, per the APD dimming profile. If motion is detected during the time the luminaire is operating at 50%, the luminaire returns to 100% power and light output. The luminaire remains on high until no motion is detected for the duration period, after which the luminaire returns to low. Duration period is factory set at 15 minutes. Duration period is field adjustable. APD-MRI luminaires use the identical motion sensor as MRI lumaires. See motion sensor details above. Available from 120V to 277V input only.

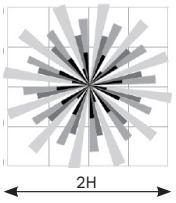
APD-MRI luminaires are available from 120V to 277V (UNIV) input voltages only.

APD-MRI luminaires use the identical motion sensor as MRI luminaires. See motion sensor details for GL13-MRI.

Side Coverage Pattern

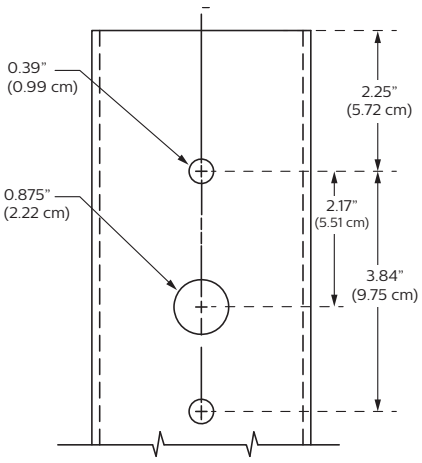


Top Coverage Pattern



Distances are approximate.
H = height above ground

GL13 Drill Template



SW

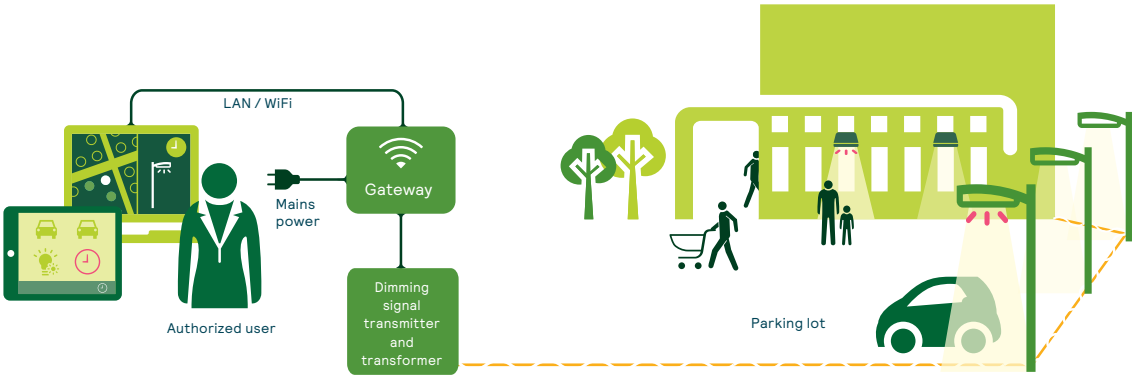
SiteWise option is a fully integrated controller that connects to Philips SiteWise system in order to offer a complete area lighting management system. The communication signal is based on Philips patented central dimming technology. SiteWise delivers it deliver optimal energy savings using your site's existing cabling. No additional wiring required, installation and commissioning are simple. An intuitive, mobile app makes it easy for authorized users to set schedules to meet site specific lighting needs, local regulations, and energy codes.

Gullwing G13 LED area luminaire, small

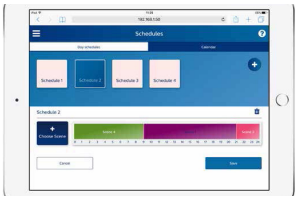
SiteWise system

SiteWise is a complete area lighting management system including a luminaire integrated controller, dimming signal transmitter cabinet, and locally accessible user interface. Installation and commissioning are simple. The cabinet communicates with the Philips luminaires using a patented central dimming technology. The control signal is embedded on the existing electrical line – no new cabling is required. An intuitive, locally accessible interface makes it easy for authorized users to set schedules in order to meet site specific lighting needs, local regulations, and energy codes.

SiteWise system diagram



SiteWise system interface



SiteWise has an intuitive user interface that makes it easy to plan, edit, and implement lighting schedules for your site. Authorized users can access the interface via a local app.

To ensure that only authorized users can access your lighting, SiteWise offers two user types, each with different permissions. An advanced user, or administrator, can set and edit schedules using the ten pre-set scenes, assign those schedules to calendar days, and check system status.

For everyday use, a basic user can manually override a schedule that is currently running but cannot create or edit schedules.

SiteWise system specifications

The SiteWise system includes both luminaires and controls. The controls used for SiteWise are circuit load dependent. Required for a complete installation are the following Philips SiteWise components: user interface, control kit, dimming signal transmitter cabinet, and dimming signal receiver located in the Philips luminaire (**SW** option). Optional luminaire-integrated or external motion sensors may also be specified as required. Within the electrical closet, the control kit and dimming signal transmitter cabinet are installed into the electrical system between the existing breaker panel and the site luminaires. New LED luminaires containing the dimming signal receiver are installed on the site. Once completed, use of the interface allows for scheduling and override capabilities. Wireless access point and tablet should be supplied by others. Complete information on the control system can be found on the SiteWise website at **philips.com/sitewise**

Gullwing G13 LED area luminaire, small

Specifications

General Description

The Philips Gardco Gullwing LED GL13 area luminaire is defined by its high performance, sleek profile and rugged construction. Gullwing LED luminaires combine LED performance excellence and advanced Philips Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Housing

A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only 0.8 ft^2 /.07 m^2.

IP Rating

Gullwing LED 13" optics are IP65 rated.

Thermal Management

The Philips Gardco Gullwing LED provides extruded aluminum integral thermal radiation fins to provide the excellent thermal management so critical to long LED system life.

LED Optical System

LED arrays are set to achieve IES Type II, Type III, Type IV, and Type V, available with internal shields for back light control. Individual LED arrays are replaceable. Luminaires feature high performance Class 1 LED systems.

Electrical

Luminaires are equipped with an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

SiteWise network system

SiteWise system includes a controller fully integrated in the luminaire that enables the luminaires to communicate with a dimming signal transmitter cabinet located on site using Philips patented central dimming technology. A locally accessible mobile app allows users to access the system and set functionalities such as ON/OFF, dimming levels and scheduling. SiteWise is available with motion response options in order to bring the light back to 100% when motion is detected. Additional functionalities are available such as communication with indoor lighting and connection to BMS systems.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

Labels

All luminaires bear UL or CUL (where applicable) Wet Location labels.

Limited Warranty

5 year limited warranty. See philips.com/luminaires for complete details and exclusions.

LED Performance:

PREDICTED LUMEN DEPRECIATION DATA[15]				
Ambient Temperature °C	Driver mA	Calculated L_{70} Hours[15,16]	L_{70} Per TM-21[16,17]	Lumen Maintenance % @ 60,000 hours
25°C	up to 530 mA	>100,000	>60,000	82%

15. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
16. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output.
17. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours.

Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Téléphone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Téléphone 800-668-9008

www.gardcolighting.com

YOUR COMPANY LOGO	**Date:** 9/25/2023 **Project:** 23-0599S NORTH CONVENTION CENTER	**Description:** GALN-SA4C-740-U-T4FT **Note:** PLEASE ADVISE FINISH	**Line Item#:** 9 Go to Bill of Materials **Type:** B Powered by 4submittal.com

Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features

Light ARchitect™

BAA

Interactive Menu

Product Certifications

TSM SYSTEMS CERTIFIED · DLC LISTED [1] · DLC LISTED PREMIUM [1] · 3G VIB · IP66 · UL CERTIFIED · ida DARK SKY APPROVED [2] · 5 YEAR

Quick Facts

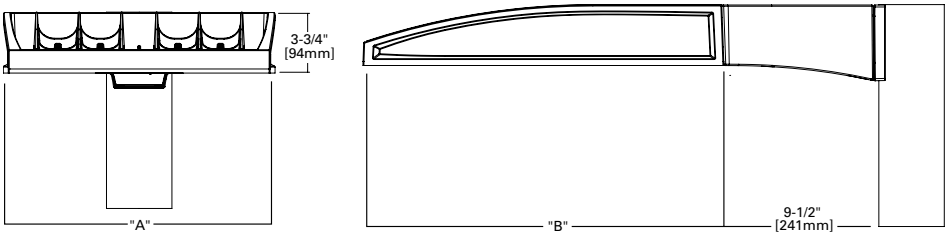
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 17 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

- WaveLinx Lite
- WaveLinx

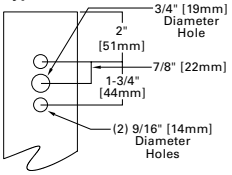
Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern

Type "N"



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES:
For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

McGraw-Edison — GALN Galleon II

Ordering Information

SAMPLE NUMBER: **GALN-SA4C-740-U-T4FT-GM**

ADVISE FINISH

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
GALN=Galleon II **BAA-GALN**=Galleon II Buy American Act Compliant [27] **TAA-GALN**=Galleon II Trade Agreements Act Compliant [27]	**SA1**=1 Square **SA2**=2 Squares **SA3**=3 Squares **SA4**=4 Squares **SA5**=5 Squares **SA6**=6 Squares **SA7**=7 Squares **SA8**=8 Squares **SA9**=9 Squares	**A**=600mA **B**=800mA **C**=1000mA **D**=1200mA [4, 17] **Z**=Configured [33]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **835**=80CRI, 3500K **840**=80CRI, 4000K **930**=90CRI, 3000K **935**=90CRI, 3500K **940**=90CRI, 4000K **950**=90CRI, 5000K **AMB**=Amber, 590nm [15, 17]	**U**=120-277V **H**=347V-480V [7, 30] **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [7, 30] **9**=347V [7] **DV**=277V-480V DuraVolt Drivers [29, 30, 31]	**T1**=Type I **T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**[Blank]**=Standard Pole Mount Arm **QU**=Quick Mount Universal Arm **QM**=Pole Mount Arm with Quick Mount Adaptor **PA**=Pole Mount, Adjustable **SP**=3" Slipfitter, Adjustable [8] **SP2**=2-3/8" Slipfitter, Adjustable [8] **QMA**=Quick Mount Mast Arm, Fixed **MA**=Mast Arm, Fixed **WM**=Wall Mount, Fixed **WA**=Wall Mount, Adjustable **UP**=Upswept Arm	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [28]
DIM=External 0-10V Dimming Leads [20] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **20K**=20kV UL 1449 fused surge protective device [10] **2L**=Two Circuits [10] **HA**=50°C High Ambient **HSS**=Installed House Side Shield [18] **GRSBK**=Glare Reducing Shield, Black [23] **GRSWH**=Glare Reducing Shield, White [23] **LCF**=Light Square Trim Painted to Match Housing [26] **TH**=Tool-less Door Hardware [5] **CC**=Coastal Construction finish [3] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **AHD145**=After Hours Dim, 5 Hours [22] **AHD245**=After Hours Dim, 6 Hours [22] **AHD255**=After Hours Dim, 7 Hours [22] **AHD355**=After Hours Dim, 8 Hours [22] **DALI**=DALI Drivers	**BPC**=Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. [6] **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [21] **FADC**=Field Adjustable Dimming Controller [32] **SPB2**=Dimming Motion Sensor, 9'-20' mounting [24] **SPB4**=Dimming Motion Sensor, 21'-40' mounting [24] **SPB2/X**=Dimming Motion Sensor, limited square count, 9'-20' mounting [24] **SPB4/X**=Dimming Motion Sensor, limited square count, 21'-40' mounting [24] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9'-20' Mounting [34] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21'-40' Mounting [34] **ZW**=WaveLinx-enabled 4-PIN Twistlock Receptacle [19] **ZD**=SR Driver-enabled 4-PIN Twistlock Receptacle [19] **ZW-WOBXX**=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [19, 12] **ZW-WOFXX**=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [19, 12] **ZD-WOBXX**=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [19, 12] **ZD-WOFXX**=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [19, 12] **ZW-SWPD4XX**=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [19, 12, 13] **ZW-SWPD5XX**=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [19, 12, 13] **ZD-SWPD4XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [19, 12, 13] **ZD-SWPD5XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [19, 12, 13] **DIM10-L20**=Synapse Occupancy Sensor (9'-20' Mounting) [19] **DIM10-L40**=Synapse Occupancy Sensor (21'-40' Mounting) [19]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **SRA238**=Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon **LS/HSS**=Field Installed House Side Shield [9, 18] **LS/GRSBK-2PK** =Glare Reducing Shield, Black [9, 23] **LS/GRSWH-2PK** =Glare Reducing Shield, White [9, 23] **LS/PFS**=Perimeter Shield, Black [16] **WOLC-7P-10A**=WaveLinx Outdoor Control Module [11, 19] **WOB-XX**=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [12, 14, 19] **WOF-XX**=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [12, 14, 19] **SWPD4-XX**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 13, 14, 19] **SWPD5-XX**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 13, 14, 19]

NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. Drive current 1200mA not available with color temperatures 722, 727, 827, 830 or 930 when the HSS option is selected.
5. TH option not 3G rated. Not available with Coastal Construction (CC) option.
6. Not available with voltage options H, 8 or 9.
7. Requires the use of an internal step down transformer when combined with sensor options. Not available in combination with the HA high ambient and sensor options at 1A.
8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon.
9. One required for each Light Square.
10. 2L is not available with SPB at 347V or 480V. Not available with WaveLinx or Enlighted sensors, or 20kV surge option.
11. Requires PR7.
12. Replace XX with sensor color (WH, BZ or BK.)
13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors.
14. Requires ZW or ZD receptacle.
15. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
16. Set of 4 pcs. One set required per Light Square.
17. Not available with HA option.
18. Not for use with T1, 5NQ, 5MQ, 5WQ or RW optics.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
21. Not available if any SPB, LWR, or WaveLinx sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
23. Not for use with T1, T4FT, T4W or SL4 optics.
24. Sensor configuration mobile application required for configuration. See controls page for details.
25. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
26. Not available with HSS, GRSWH or GRSBK.
27. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
28. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
29. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
30. 480V not to be used with ungrounded or impedance grounded systems.
31. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.
32. Cannot be used with PR7 or other motion response control options.
33. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB.
34. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.

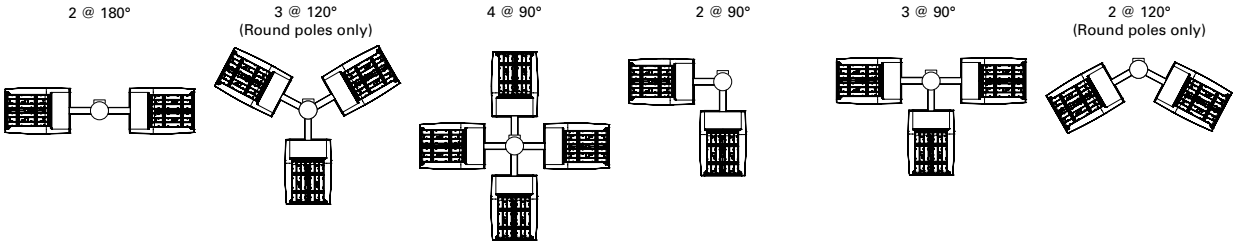
LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**D**=Standard Dome Camera **H**=Hi-Res Dome Camera **Z**=Remote PTZ Camera	**C**=Cellular, No SIM **A**=Cellular, AT&T **V**=Cellular, Verizon **S**=Cellular, Sprint	**R**=Cellular, Rogers **W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

McGraw-Edison GALN Galleon II

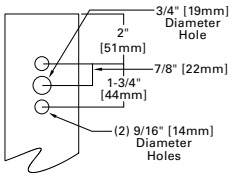
Mounting Details

Pole Configuration Options

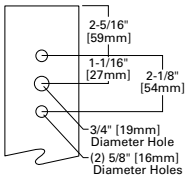


Pole Drilling Patterns

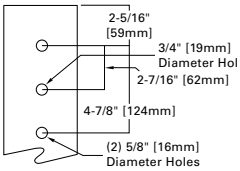
Type "N"



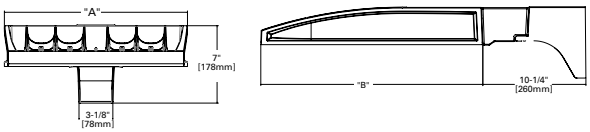
Type "R"



Type "M"

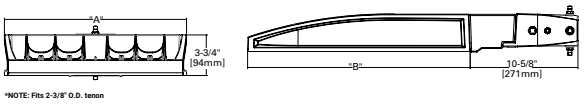


Quick Mount Universal Arm (QU) *



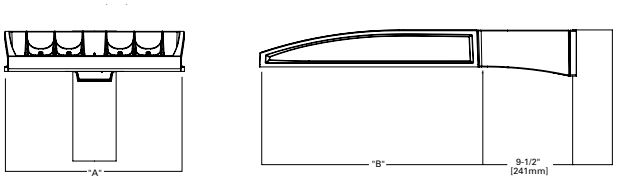
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA) *



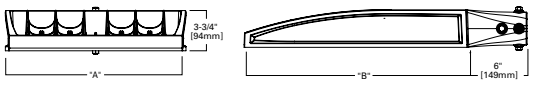
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM) *



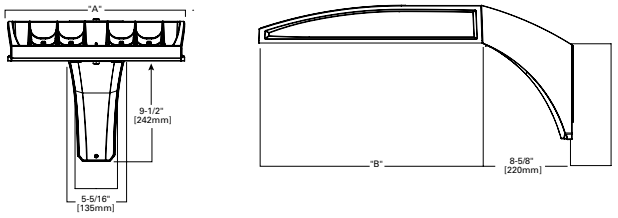
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA) *



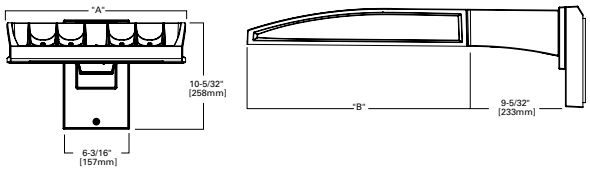
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP) *



*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)



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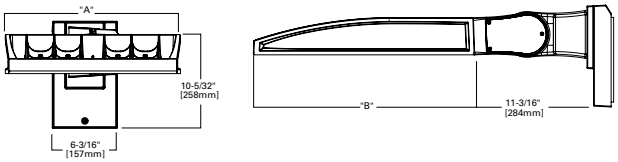
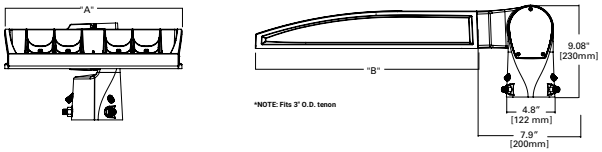
Mounting Details

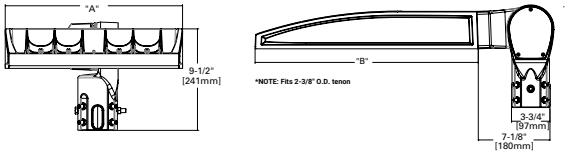
Wall Mount, Adjustable (WA)



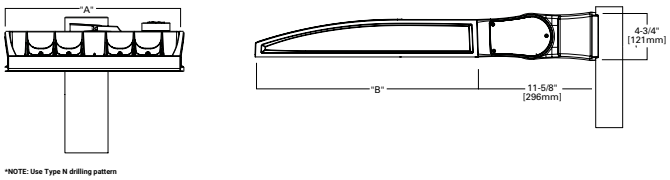
3" Slipfitter, Adjustable (SP)*



2-3/8" Slipfitter, Adjustable (SP2)*

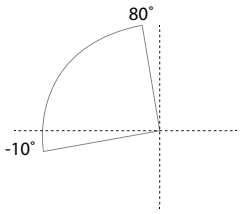


Pole Mount, Adjustable Arm (PA)*



Adjustable Arm Range of Motion

- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

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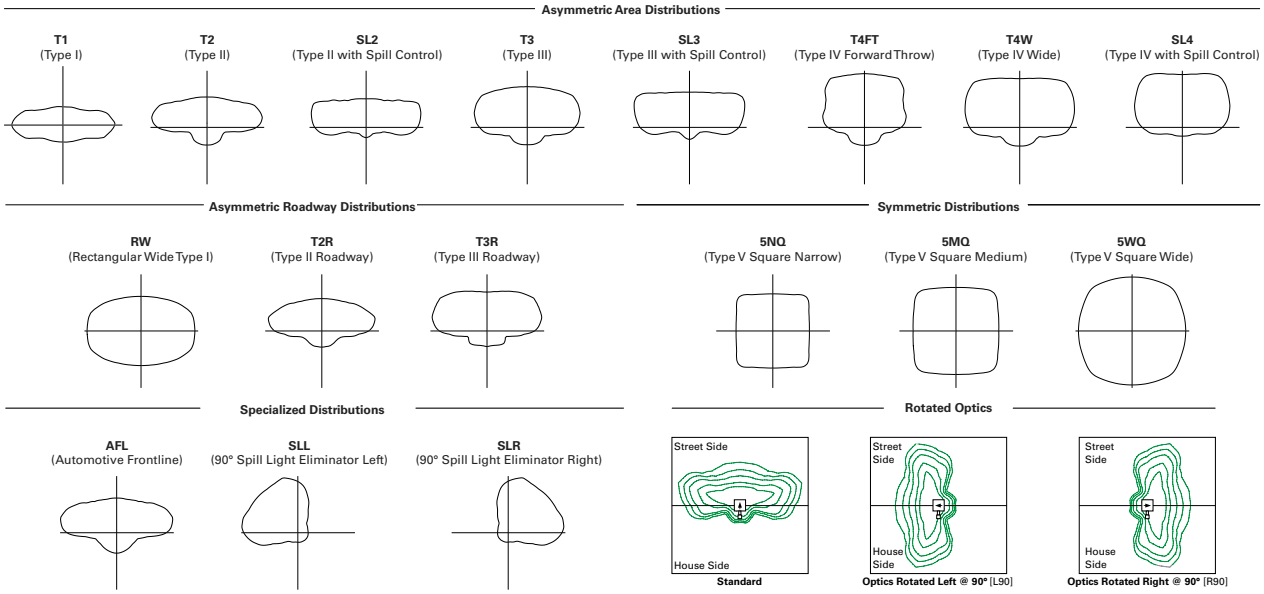
Optical Distributions



Product Specifications

Construction
- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics
- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical
- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration

Mounting
- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish
- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications
- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty
- Five year limited warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

McGraw-Edison GALN Galleon II

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

FADC Settings
SA1-SA3 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

FADC Settings
SA4-SA6 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

FADC Settings
SA7-SA9 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

McGraw-Edison

GALN Galleon II

Performance Table, Drive Current "A" (615mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T1	4000K Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	4000K Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	4000K Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	4000K Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	4000K Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	4000K Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	4000K Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	4000K Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	4000K Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	4000K Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	4000K Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	4000K Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	4000K Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/ SLR	4000K Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	4000K Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	4000K Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison — GALN Galleon II

Performance Table, Drive Current "B" (800mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		44	82	121	164	204	243	286	325	364
Input Current @ 120V		0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
Input Current @ 208V		0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
Input Current @ 240V		0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
Input Current @ 277V		0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
Input Current @ 347V		0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
Input Current @ 480V		0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
T1	4000K Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	4000K Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	4000K Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	4000K Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	4000K Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	4000K Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	4000K Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	4000K Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	4000K Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	4000K Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	4000K Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	4000K Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	4000K Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/ SLR	4000K Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	4000K Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	4000K Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison

GALN Galleon II

Performance Table, Drive Current "C" (1050mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	4000K Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	4000K Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	4000K Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	4000K Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	4000K Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	4000K Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	4000K Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	4000K Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	4000K Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	4000K Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	4000K Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	4000K Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	4000K Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/ SLR	4000K Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	4000K Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	4000K Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

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GALN Galleon II

Performance Table, Drive Current "D" (1200mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T1	4000K Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	4000K Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	4000K Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	4000K Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	4000K Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	4000K Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	4000K Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	4000K Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	4000K Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	4000K Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	4000K Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	4000K Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	4000K Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/ SLR	4000K Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	4000K Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	4000K Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison GALN Galleon II

Control Options

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)
Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

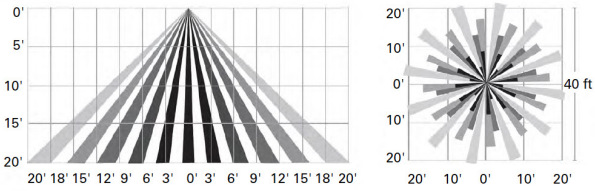
Dimming Occupancy Sensor (SPB and MS/DIM-LXX)
These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

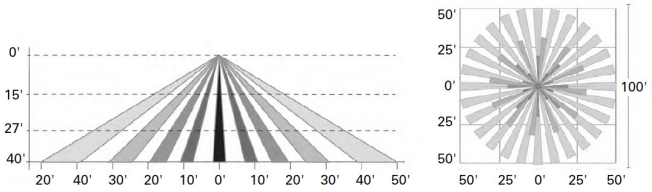
SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx and WaveLinx Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinx sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinx sensors, power monitoring, and advanced functionality. WaveLinx (SWPD4 to SWPD5) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WOF and WOB) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (SWPD4 and WOB)



For mounting heights up to 40' (SWPD5 and WOF)



LumenSafe Integrated Network Security Camera (LD)
Cooper Lighting Solutions brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Synapse (DIM10)
SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.