

IVO™ 4" Round Downlight

New Construction

TRIM STYLES AND COLORS



Parabolic



Bevel



4.5" x 8.2" x 11.0"

New construction housing shown. Please see page 6 for full set of dimensional drawings.

Flange Styles



Flanged



Flangeless



Flangeless in Millwork

Reflector Colors



Clear Alzak



Gold



Pewter



Wheat



Black



White



White Anti-Microbial



Soft White



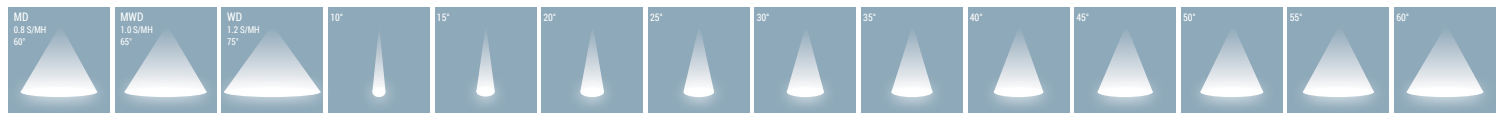
Bronze

Feature Set

- Perfect Color™ consistency within ½-step MacAdam Ellipse
- Exceptional color rendering with 80 CRI, 90 CRI, or 95 CRI minimum
- Bounding Ray™ optical design delivers low brightness apertures for a comfortable lighting experience
- 45° visual cut-off angle to source
- Up to 90% lumen maintenance at 55,000 hours
- Wet Location optional, covered ceiling
- Easy installation and servicing with snap-in Driver
- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture
- Clean beams with soft transitions from narrow spot up to wide flood distributions
- Field changeable optics available every 5°

QUICK SPECIFICATIONS

Distribution / Beam Angles



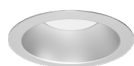
Superior Performance*

Nominal Lumens	05LM	07LM	10LM	15LM	20LM	25LM	30LM	35LM	40LM	45LM
Delivered Lumens	493	735	991	1486	1968	2447	2732	3313	3796	4236
Wattage	5.1	7.3	9.8	15.0	20.5	26.8	29.7	34.4	41.8	45.3
Lumens per Watt	96	100	101	99	96	91	92	96	91	94

*Based on 3500K MWD 80CRI P AR LSS

PRODUCT FAMILY

IVO 4" Round Product Family



Downlight



Lensed WW



Surface Cylinder



Pendant Cylinder



Wall Cylinder



Wall Adjustable Cylinder





Design Select options indicated by this color background.
Maximum order quantity for design select lead times is 100

Luminaire Type:

Catalog Number:

EXAMPLE: IVO4 D 10LM 35K 80CRI MWD MIN10 MVOLT ZT NCH P AR LSS F

ORDERING INFORMATION

Series	Function	Lumen Packages	Kelvin Temperature	Color Rendering Index	Distribution
IVO4 4" Round Recessed	D Downlight	05LM ¹ 500 Lumens	27K 2700K	80CRI 80+ CRI	Narrow / Flood 10D 10° 30D 30° 50D 50° 15D 15° 35D 35° 55D 55° 20D 20° 40D 40° 60D 60° 25D 25° 45D 45° General Illumination / Batwing MD Medium Batwing (0.8 s/mh, 60°) MWD Medium Wide Batwing (1.0 s/mh, 65°) WD Wide Batwing (1.2 s/mh, 75°)
		07LM 750 Lumens	30K 3000K	90CRI ⁴ 90+ CRI	
		10LM 1000 Lumens	35K 3500K	95CRI ⁴ 95+ CRI	
		15LM 1500 Lumens	40K 4000K		
		20LM 2000 Lumens	50K 5000K		
		25LM 2500 Lumens			
		30LM 3000 Lumens			
		35LM 3500 Lumens			
		40LM ² 4000 Lumens			
		45LM ³ 4500 Lumens			

Dimming Level	Voltage	Control Input ⁵	Emergency Option	Housing Style
MIN10 Min 10% Dim Level	MVOLT Multi-Volt input, 120V-277V 120 120V input 347 ⁵ 347V input	ZT ⁷ Generic 0-10V	(blank) No Emergency Pack	NCH Non-IC Housing (new construction only)
MIN1 Min 1% Dim Level		EZT EldoLED 0-10V	E7W ¹⁰ IOTA 7W Emergency battery pack, Constant Power, Title 20 compliant, integrated test switch.	ICAT IC/Airtight Housing (new construction only) 15LM max.
DARK Min 0.1% Dim Level, Dim-to-Dark		ELV ⁸ Phase Dimming (Forward/Reverse) (120V only)	E7WR ^{10,11} IOTA 7W Emergency battery pack, Constant Power, Title 20 compliant, remote test switch.	CP Chicago Plenum CCEA Housing (new construction only)
		DMX ⁹ DMX	E10W ¹² IOTA 10W Emergency battery pack, Constant Power, Title 20 compliant, integrated test switch	
		DALI ⁹ DALI-2	E10WR ¹² IOTA 10W Emergency battery pack, Constant Power, Title 20 compliant, remote test switch.	
		NLIGHT Embedded wired controls by nLight	GTD ¹³ Generator Transfer Device	
		NLTAIR2 Embedded wireless controls by nLight		
		NLIGHTER Embedded wired controls by nLight with UL924 listed emergency operation		
		NLTAIREM2 Embedded wireless controls by nLight with UL924 listed emergency operation		

Options	Trim Style	Baffle Color	Trim Lens	Trim Color	Trim Finish	Flange Style
SF ¹⁴ Single Fuse, specify 120 or 277	P Parabolic Trim	(blank) non-Bevel	(blank) no lens	AR Clear Anodized	LD Matte Diffuse	F Self Flanged (color matches trim)
WL ¹⁵ Wet Location	BEV ¹⁶ Bevel Trim	ARS Clear Anodized Semi-Specular	SLG Solite Lens	BR Black Anodized	LS Specular	FL Flangeless (Drywall)
	SH ¹⁷ Shower/IP65 Bevel Trim (Deadfront)	WMRS Soft White	CLR Clear Lens	GR Gold Anodized	LSS Semi Specular	FLM ²⁰ Flangeless Millwork
		BRS Black		PR Pewter Anodized		FBL ²¹ Flange Only Black
		BRS Black Semi-Specular		WTR Wheat Anodized		FWR ²² Flange Only White
		BRD Black Diffuse		WR ^{16,18} White Gloss (painted)		FRALTB ¹⁹ Flange Only RAL
				WMR ¹⁶ Soft White Matte (painted)		FCPC Flange Only Custom Paint Color
			WRAMF ¹⁶ White Gloss with Anti-Microbial (painted)			
			BZR ^{16,18} Dark Bronze (painted)			
			TRALTB ¹⁹ Trim RAL # (TBD for pricing only)			
			TCPC Trim Custom Paint Color			

ORDERING NOTES	
1. 05LM only available with ELV or ZT. Not available with 347V.	14. Specify 120 or 277 volt. Not available with 347 volt.
2. 40LM and CP requires Marked Spacing.	15. Not available with E7W or E10W
3. 45LM and NCH requires Marked Spacing.	16. Not available with Trim Finishes.
4. 90CRI not available with 50K, 95CRI not available with 35K, 40K or 50K.	17. SH Trim not available with FL or FLM flange style.
5. 347 only available with ZT and MIN1 or MIN10. Not available with nLight or Emergency options. 40LM max.	18. Corrosion Resistant Powder Coat.
6. Refer to Tech-240 for compatible dimmers.	19. Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options.
7. ZT is not available with DARK.	20. FLM requires Millwork Ceiling Cutout Template accessory, IVO*FLMKIT. Millwork Router Bit accessory, IVOFLMBIT, is optional or use similar. Millwork Adapter is included.
8. ELV only available with MIN1 and 120V.	21. For use with different reflector flange color only (i.e AR, BZR, GR, PR, WR, WTR, WMR, WRAMF). Not available with BR (black reflector) or FL or FLM (flangeless) options.
9. DMX and DALI are only available with DARK.	22. For use with different reflector flange color only (i.e AR, BR, BZR, GR, PR, WTR). Not available with WR, WMR, WRAMF (white reflector) or FL or FLM (flangeless) options.
10. E7W and E7WR and not available with ICAT.	
11. E7WR is not available with CP housings.	
12. E10W, E10WR and GTD not available with ICAT or CP. Not available with NLIGHTER or NLTAIREM2.	
13. GTD only available with NCH and ZT, ELV, or EZT.	



ACCESSORIES – order as separate catalog numbers (shipped separately)

GRA4-6IVO	Round goof ring adapter 4" ID, 6.5" OD
SCA4	Sloped ceiling adaptor. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to TECH-190 for details.
CTAIVODL20	Trim ceiling thickness adaptors for 1-1/4" to 2" thick ceilings and ≤ 30LM (includes set of two for one trim).
CTAIVODL27	Trim ceiling thickness adaptors for 2" to 2-3/4" thick ceilings and ≤ 30LM (includes set of two for one trim).
CTAIVODL30	Trim ceiling thickness adaptors for 2-3/4" to 3" thick ceilings and ≤ 30LM (includes set of two for one trim).
IVO4FLMKIT	IVO 4" Round Flangeless in Millwork Ceiling Cutout Template (min. 1 required per install)
IVOFLMBIT	IVO Flangeless in Millwork Straight Router Bit, 1/4" Shank with Bearing (optional)
IVO4OPTC D MD	Field Replaceable 4" Downlight Optic, Medium Batwing Distribution, 0.8 s/mh
IVO4OPTC D MWD	Field Replaceable 4" Downlight Optic, Medium Wide Batwing Distribution, 1.0 s/mh
IVO4OPTC D WD	Field Replaceable 4" Downlight Optic, Wide Batwing Distribution, 1.2 s/mh
IVO4OPTC D 10D	Field Replaceable 4" Downlight Optic, 10°
IVO4OPTC D 15D	Field Replaceable 4" Downlight Optic, 15°
IVO4OPTC D 20D	Field Replaceable 4" Downlight Optic, 20°
IVO4OPTC D 25D	Field Replaceable 4" Downlight Optic, 25°
IVO4OPTC D 30D	Field Replaceable 4" Downlight Optic, 30°
IVO4OPTC D 35D	Field Replaceable 4" Downlight Optic, 35°
IVO4OPTC D 40D	Field Replaceable 4" Downlight Optic, 40°
IVO4OPTC D 45D	Field Replaceable 4" Downlight Optic, 45°
IVO4OPTC D 50D	Field Replaceable 4" Downlight Optic, 50°
IVO4OPTC D 55D	Field Replaceable 4" Downlight Optic, 55°
IVO4OPTC D 60D	Field Replaceable 4" Downlight Optic, 60°



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.

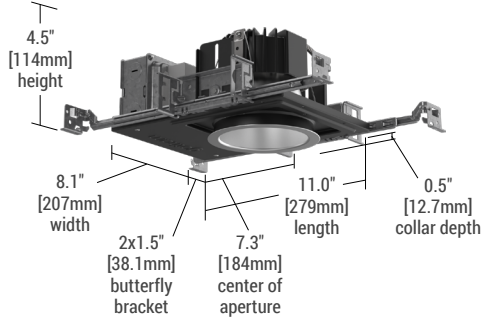
*See ordering tree for details



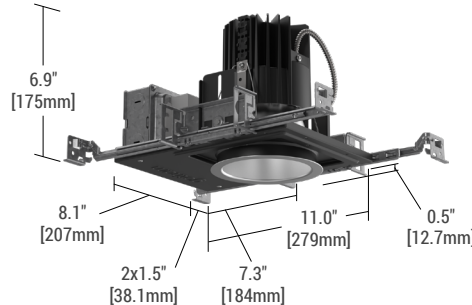
New Construction Dimensions

- Dimensions in inches [millimeters] are overall width and height (including mounting hardware Butterfly Brackets / Hanger Bars), length excludes extendable Hanger Bars.
- ½" clearance on all sides from non-combustible materials for non-IC applications required, unless marked spacing is noted otherwise.
- nLight Air Antenna extends 1.5" off the end of the j-box (lengthwise).
- Ceiling cutout for Flanged or Flangeless Trim is 5.0"
- Fixture with Marked Spacing require the following clearances (min): 24" center-to-center, 12" center to side building member, 2" overhead to building member
- Hanger Bars are extendable from 8.5" to 24".

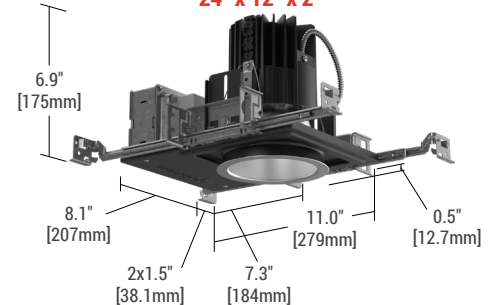
**Non-IC Housing (NCH)
For 05LM to 30LM**



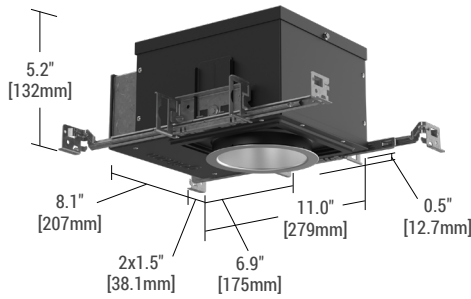
**Non-IC Housing (NCH)
For 35LM to 40LM**



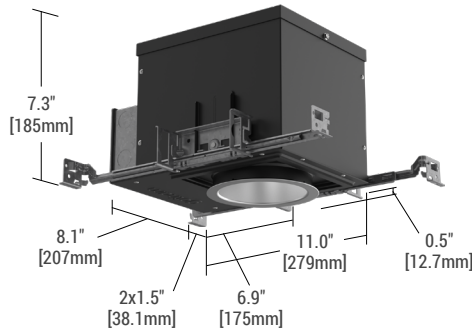
**Non-IC Housing (NCH)
For 45LM – MARKED SPACING
24" x 12" x 2"**



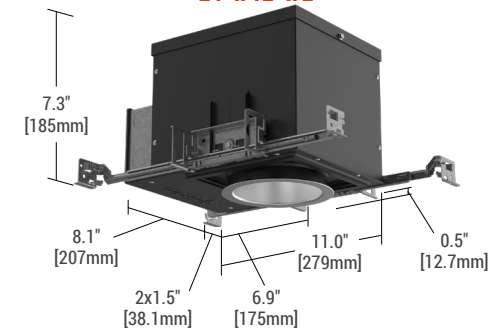
**Chicago Plenum Housing (CP)
For 05LM to 25LM**



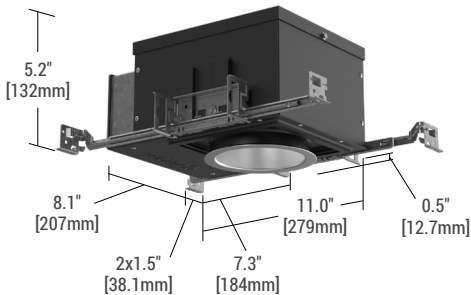
**Chicago Plenum, New Construction Housing (CP)
For 30LM to 35LM**



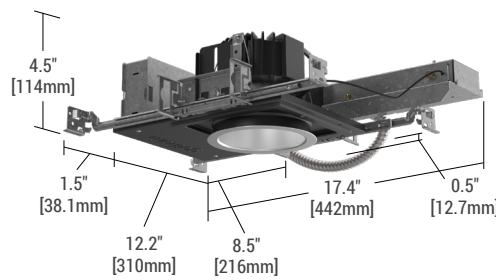
**Chicago Plenum Housing (CP)
For 40LM – MARKED SPACING
24" x 12" x 2"**



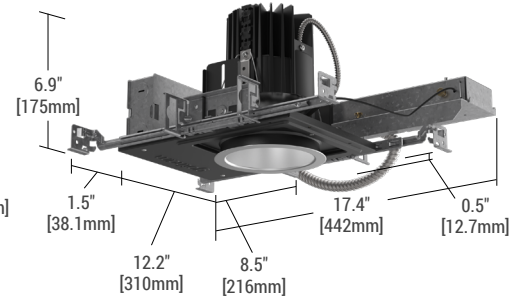
**IC rated Housing (ICAT)
For 05LM to 15LM**



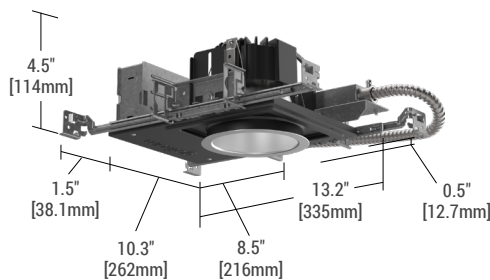
**Non-IC Housing (NCH)
with E7Wx, E10Wx Emergency Battery
For 07LM to 30LM**



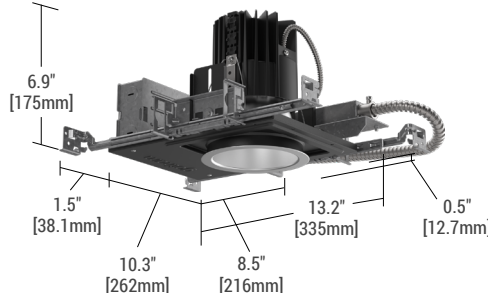
**Non-IC Housing (NCH)
with E7Wx, E10Wx Emergency Battery
For 35LM to 45LM**



**Generator Transfer Device Housing (GTD)
For 07LM to 30LM**



**Generator Transfer Device Housing (GTD)
For 35LM to 45LM**



Trim Style and Flange Option

• Dimensions in inches [millimeters]



Parabolic Flanged
(P) (F)



Parabolic Flangeless
(P) (FL)



Parabolic Flangeless Millwork
(P) (FLM)



Bevel Flanged
(BEV) (F)



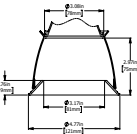
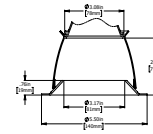
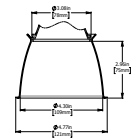
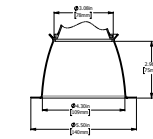
Bevel Flangeless
(BEV) (FL)



Bevel Flangeless Millwork
(BEV) (FLM)



Bevel Solite Lens Flanged
(BEV) (SLG) (F)



Trim Color



Clear Anodized
(AR)



Soft White
Matte Painted
(WMR)



Black Anodized
(BR)



Gold Anodized
(GR)



Pewter Anodized
(PR)



Wheat Anodized
(WTR)



Dark Bronze
Gloss Painted
(BZR)



White
Gloss Painted
(WR)



White Anti-Microbial
Gloss Painted
(WRAMP)

Parabolic Flanged shown.

Optical Finish



Semi-Specular
(LSS)



Specular
(LS)



Matte Diffuse
(LD)

Clear Anodized shown.

Note: These colors were carefully reproduced to give as true a depiction as possible of the finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please contact a Gotham representative for an Architectural Color Chip Kit (GCOLORS KIT), consisting of Powder-Coated and Plated Finishes.

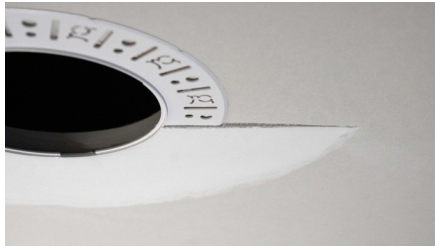


FLANGELESS

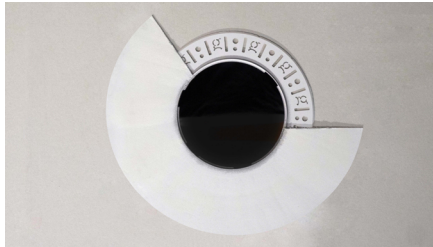
Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

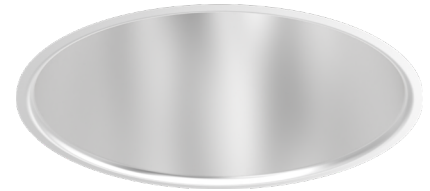
The polymer mud ring is installed independent of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.



Partially finished mud ring, showing cross-section detail.



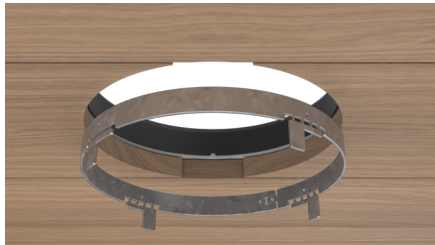
An IVO downlight requires only approximately 3" of plaster to finish.



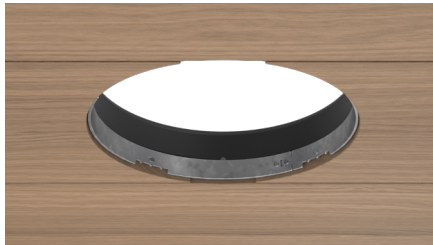
IVO with flangeless trim

Flangeless Millwork Installation

IVO's Flangeless in Millwork solution makes installation easy and precise. First, cut a hole in the Wood Ceiling using the Millwork Cutout Template (sold separately). Second, once Housing and ceiling are mounted in place, insert sheet metal Millwork Adapter (provided) lining up edge of tab with bottom of ceiling. Third, secure in place using finishing nails (provided) then remove tabs from Millwork Adapter. Last, install Trim!



Insert Millwork Adapter into precision-cut hole.



Secure with finishing nails.



Insert Trim and Module.

TABLES OF USE

Dimming Configurations	Dimming Level	Control Input	Dimming Level	Driver Dim Curve	Recommended Control Dim Curve
	MIN10	+	ZT	100% to 10%	Linear
+		EZT	100% to 10%	Linear	Linear/Logarithmic
MIN1	+	ZT	100% to 1%	Linear	Linear/Logarithmic
	+	EZT	100% to 1%	Linear	Linear/Logarithmic
DARK	+	ELV	100% to 1%*	n/a	n/a
	+	EZT	100% to 0.1%	Logarithmic	Linear
	+	DMX	100% to 0.1%	Square	Linear
	+	DALI	100% to 0.1%	Logarithmic	Linear

* ELV Minimum Dimming level depends on dimmer and dimmer load

IVO4D	Drivers:	Title 24, JA8		Energy Star	
		ZT, EZT, ELV, DMX	ZT, EZT, ELV, DMX, DALI, NLIGHT(ER), NLTAIR(EM)2		
DOWNLIGHT	80CRI	2700K		✓5.6	
		3000K		✓5.6	
		3500K		✓5.6	
		4000K		✓5.6	
		5000K		✓5.6	
90CRI	2700K	✓1,2,3	✓5.6		
	3000K	✓1,2,3	✓5.6		
	3500K	✓1,2,3	✓5.6		
	4000K	✓1,2,3	✓5.6		
95CRI	2700K	✓1,2,3,4			
	3000K	✓1,2,3,4			

- 1 - 05LM, 07LM, 10LM, 15LM with ICAT housings only
- 2 - 347V, DALI, NLIGHT(ER), & NLTAIR(EM)2 excluded
- 3 - Emergency options excluded
- 4 - 95CRI + P trim with BR or BZR finishes excluded
- 5 - 05LM excluded
- 6 - 07LM + P trim with BR or BZR finishes excluded

Embedded Nlight Configurations	Dimming Level	Control Input	Dimming Level	Control Provided	Driver Provided
	MIN10	+	NLIGHT	100% to 10%	NIO EZDXA
+		NLIGHTER	100% to 10%	NIO EZDCL ER	eldoLED ECOdrive
+		NLTAIR2	100% to 10%	RIO EZDL G2	eldoLED ECOdrive
+		NLTAIREM2	100% to 10%	RIO EZDL EM G2	eldoLED ECOdrive
MIN1	+	NLIGHT	100% to 1%	NIO EZDXA	eldoLED ECOdrive
	+	NLIGHTER	100% to 1%	NIO EZDCL ER	eldoLED ECOdrive
	+	NLTAIR2	100% to 1%	RIO EZDL G2	eldoLED ECOdrive
	+	NLTAIREM2	100% to 1%	RIO EZDL EM G2	eldoLED ECOdrive
DARK	+	NLIGHT	100% to 0.1%	NIO EZDXA	eldoLED SOLOdrive
	+	NLIGHTER	100% to 0.1%	NIO EZDCL ER	eldoLED SOLOdrive
	+	NLTAIR2	100% to 0.1%	RIO EZDL G2	eldoLED SOLOdrive
	+	NLTAIREM2	100% to 0.1%	RIO EZDL EM G2	eldoLED SOLOdrive

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output Power/Wattage of Emergency Battery Driver (E7WR* = 7W, E10WR* = 10W, E15WR* = 15W)

LPW = Lumen per Watt rating of luminaire based on Ordering Code selections



Optical System

- Bounding Ray™ optical design delivers low brightness apertures for a comfortable lighting experience and ensures no source image up to cut-off angle, minimizing glare.
- 45° visual cut-off angle to source
- Top-Down Flash characteristics avoids flash on trim until source becomes visible.
- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture. Available with 0.8, 1.0, and 1.2 spacing-to-mounting-height ratio (s/mh).
- Clean beams with soft transitions from narrow spot up to wide flood distributions with optics available every 5°
- Optics are field changeable (tool-free).

LED Light Engine

- Perfect Color™ consistency within ½-step MacAdam Ellipse using proprietary pick and place algorithm
- 90% lumen maintenance at 55,000 hours.
- Available in 80, 90, or 95 CRI. 90CRI has R9 greater than 50, 95 CRI has R9 greater than 80.

Trims

- Trims are field changeable via twist-lock (tool-free).
- Trims are available in 9 colors and 3 surface finishes (standard)
- Custom RAL and Paint colors available upon request.
- Wall Wash and Downlight Trims are designed to be interchangeable.
- Trim lenses are made of Tempered Glass.

Electrical

- 120, 347, or Multi-Volt (MVOLT) 120-277 VAC input at 50/60 Hz
- Power Factor > 85%
- Input wires 18 AWG, 600V minimum, copper
- Fixtures are ROHS compliant

EMI/RFI

- EMI/RFI per FCC Title 47 CFR, Part 15, Class A rated standard.

Controls (Optional)

- Luminaire can be equipped with interface for nLight wired, allowing it to communicate over an nLight network. Couple with nLight-enabled sensors, power packs, or WallPods using CAT-5 cabling to create an nLight Control Zone. Link Control Zone to a Gateway directly or via a Bridge for remote status monitoring and control using SensorView software.
- Luminaire can be equipped with interface for nLight Air, allowing it to communicate over the wireless nLight control platform. Can be paired to other luminaires and wall switches through CLAIRITY+, a mobile app, which allows individual fixture control.

Dimming

- Luminaire is capable of continuous dimming without perceivable flicker (stroboscopic) as measured by flicker index (ASNI/IES RP-16-10).
- Available dimming ranges include: 100%-10% (MIN10), 100%-1% (MIN1), and 100%-0.1% (DARK) of rated lumen output.
- Available with smooth shut off function from minimum dimming level to 0%.
- EldoLED drivers (EZT, DALI) conform to IEEE P1789 standards.
- Drivers are inaudible in 24dB environment and stable even when input voltage conditions experience typical commercial environment fluctuations.

Emergency Battery (Optional)

- Luminaires equipped with battery pack (E7W, E10W, E15W) comply with NFPA 101 (Life Safety Code) and deliver constant light output for a duration of 90 minutes minimum with AC power loss.
- Emergency battery is CEC T20 compliant.

Installation

- Patent-pending Wire-Form Mounting Springs with custom profile facilitates effortless installation, maintains tension across various ceiling thicknesses, and ensures a snug-fit of the trim to the ceiling with no sag.
- Plug-in Driver design allows for quick and easy installation and servicing.
- Light Engine, Driver, Housing, and Trim can be installed tool-free.
- Ceiling Thickness Adapters available for 1.25" to 3" thick ceilings.

Construction

- Access to Light Engine, Driver, and branch circuit conductors is available from below the ceiling without the use of tools.
- Universal Mounting Butterfly Brackets can adjust vertically 2.5" and accept various mounting bars including ¾" and 1-1/2" C Channel, ½" or ¾" Flat Strap, ½" Conduit, and ½" Angle Bars, as well as standard Hanger Bars (included).
- Hanger Bars are extendable from 8.5" to 24".
- Luminaire is constructed with 20 gauge min cold-rolled steel, galvanized steel, and aluminum.

Listings

- Fixtures are CSA certified to meet US and Canadian standards.
- Fixtures are NOM certified to meet Mexican standards
- All fixtures are manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" per UL.
- Damp Location standard.
- Wet Location available, covered ceiling.

Photometrics

- All photometry is conducted by IESNA standard LM-79-08 in an accredited lab.
- LEDs are tested to LM-80 standards. Lumen maintenance is calculated via TM-21.

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.
- The product images shown are for illustration purposes only and may not be an exact representation of the product.

A+ Capable Luminaire

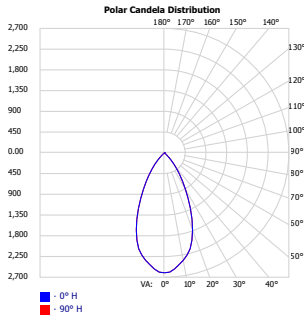
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

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



MD Medium Beam
IVO4 D 20LM 35K 80CRI MD P AR LSS



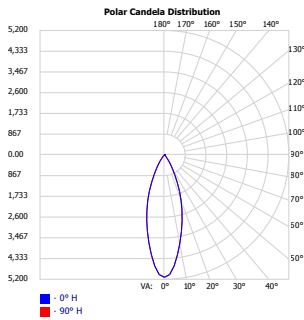
Wattage: 20.5, Lumens: 1920, LPW: 94, S/MH: ..8, Test No: 24-850-22P801

Candela Summary	
0°	2603
10°	2366
20°	1784
30°	909
40°	319
50°	26
60°	6
70°	3
80°	1
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	1435	74.7%
0-40	1798.4	93.7%
0-60	1914	99.7%
0-90	1920.1	100%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	40.67	7.6	7.6
10'	26.03	9.5	9.5
12'	18.07	11.4	11.4
14'	13.28	13.3	13.3
16'	10.17	15.2	15.2

35 Degree Beam
IVO4 D 20LM 35K 80CRI 35D P AR LSS



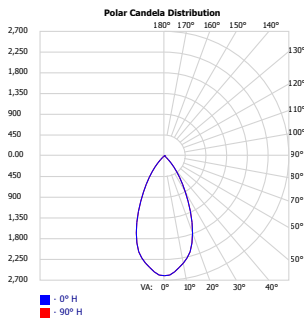
Wattage: 20.5, Lumens: 2044.6, LPW: 100, S/MH: .54, Test No: 24-850-34P401

Candela Summary	
0°	5116
10°	3734
20°	2039
30°	675
40°	120
50°	14
60°	4
70°	2
80°	1
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	1778.1	87.0%
0-40	1992.7	97.5%
0-60	2040.2	99.8%
0-90	2044.6	100%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	79.94	4.8	4.8
10'	51.16	6	6
12'	35.53	7.2	7.2
14'	26.1	8.4	8.4
16'	19.99	9.6	9.6

50 Degree Beam
IVO4 D 20LM 35K 80CRI 45D P AR LSS



Wattage: 20.5, Lumens: 1920.1, LPW: 94, S/MH: .8, Test No: 24-850-11P809

Candela Summary	
0°	2603
10°	2366
20°	1784
30°	909
40°	319
50°	26
60°	6
70°	3
80°	1
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	1435	74.7%
0-40	1798.4	93.7%
0-60	1914	99.7%
0-90	1920.1	100.0%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	40.67	7.6	7.6
10'	26.03	9.5	9.5
12'	18.07	11.4	11.4
14'	13.28	13.3	13.3
16'	10.17	15.2	15.2

CRI/CCT Multiplier		
CRI	CCT	Multiplier
80	2700K	0.92
	3000K	0.96
	3500K	1.00
	4000K	1.01
	5000K	1.04
90	2700K	0.80
	3000K	0.85
	3500K	0.85
	4000K	0.89
95	2700K	0.68
	3000K	0.75

Trim Color and Finish Multiplier		
Trim Color	Trim Finish	Multiplier
AR	LSS	1.00
AR	LS	1.06
AR	LD	0.97
GR	LSS	0.97
GR	LS	0.98
GR	LD	0.92
PR	LSS	0.97
PR	LS	0.97
PR	LD	0.90
BR	LSS	0.68
BR	LS	0.68
BR	LD	0.68
WTR	LSS	0.87
WTR	LS	0.89
WTR	LD	0.87
WR		1.03
WMR		1.03
WRAMF		1.04
BZR		0.68

UGR (70% 50% 20% reflectance using a 4H x 8H room size)						
Lumen Package	Crosswise			Endwise		
	MD	MWD	WD	MD	MWD	WD
05LM	0	0	0	0	0	0
07LM	0	0	0.7	0	0	0.7
10LM	0	0.1	1.8	0	0.1	1.8
15LM	1.4	1.5	3.2	1.4	1.5	3.2
20LM	2.4	2.5	4.2	2.4	2.5	4.2
25LM	3.1	3.3	4.9	3.1	3.3	4.9
30LM	3.8	3.9	5.6	3.8	3.9	5.6
35LM	4.2	4.3	6	4.2	4.3	6
40LM	4.7	4.8	6.4	4.7	4.8	6.4
45LM	5	5.2	6.8	5	5.2	6.8

*UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.

**Calculated using an AR (Clear reflector) with LSS (Semi-Specular) finish

UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. [UGR FAQ](#)





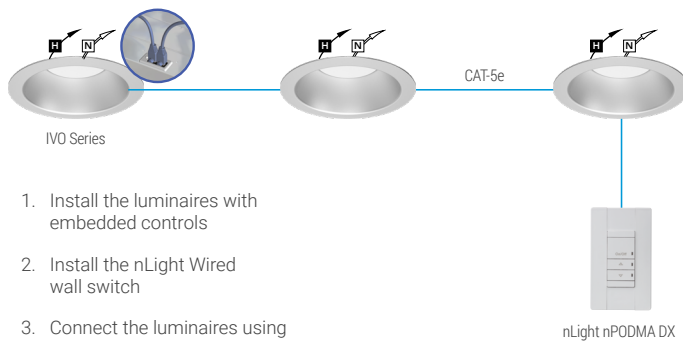
Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLight® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLight also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLightcontrols.com

Wired Embedded Controls

Wireless Embedded Controls



1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play)



1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CLAIRITY+ mobile app to pair the fixtures with the wall switch and if desired, customize the sensor settings

UL924 Sequence of Operation

- The below information applies to all nLight AIR devices with an EM option.
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, 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.



LINO

Combining clean line aesthetics with IP66 rated protection against the elements, Lino is a slim, linear luminaire that subtly integrates into exterior or interior environments.

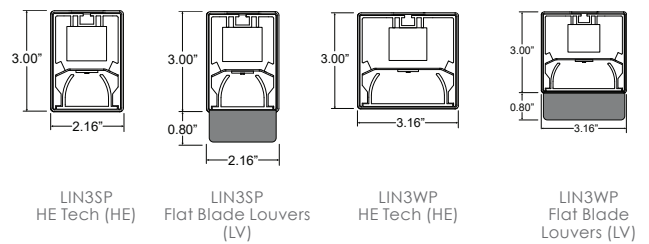


Performance

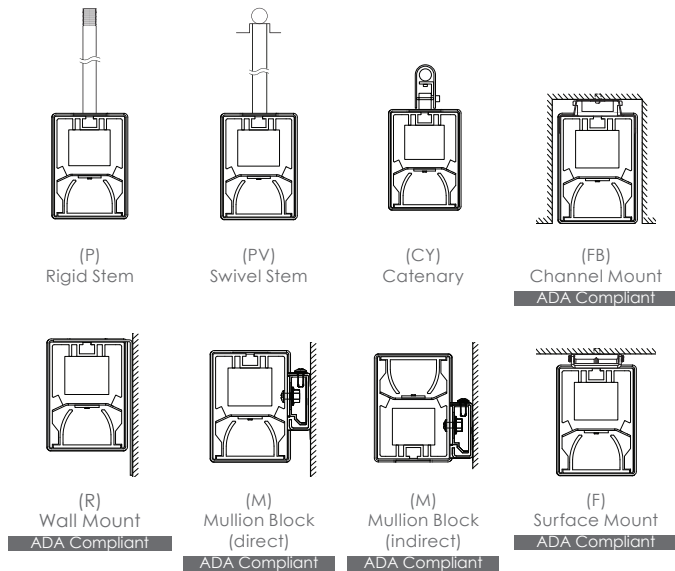
FIXTURE	OUTPUT	OPTICS	DELIVERED		
			OUTPUT	INPUT WATTS	EFFICACY
LIN3SP	LVH (Very high)	HE Tech™	1263 lm/ft	12.5 W/ft	101 lm/W
LIN3WP	LVH (Very high)	HE Tech™	1300 lm/ft	12.5 W/ft	104 lm/W

Based on static white 3500K HE lens fixtures. For the complete photometric data of this fixture, refer to page 3.

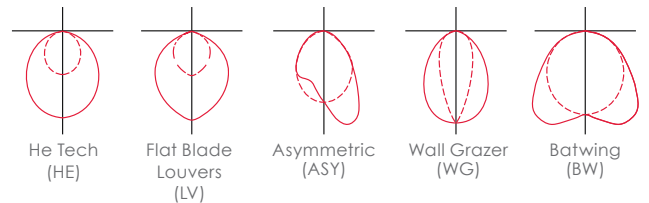
Dimensions



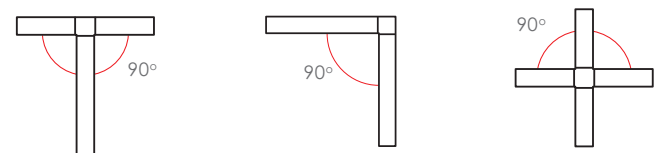
Mounting options



Downlight/Uplight lens options



Multiple corners options



*Corners are unlit. For custom angle options, please contact Design Assist.



Need help?
 Don't see what you need?
 We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have.

Our Design Assist team (designassist@alights.com) is here to make the process move smoothly.

LIN	SERIES	FIXTURE TYPE	FIXTURE SIZE	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	CRI
LIN	1 3	Indirect ¹ Direct	SP 3" X 2" WP 3" X 3"	_ Nominal Length ^{1,4} M_ Exact Length ^{2,4} PL_ "L" shape ³ PT_ "T" shape ³ PX_ "X" shape ³ PU_ "U" shape ³ CP_ Custom pattern ⁴	LVH Very High Output LH High Output LS Standard Output C_ Custom Output ¹	27 2700K 30 3000K 35 3500K 40 4000K TW Tunable White ^{1,2} RW RGBW (full color + 3000k White) ^{2,3}	_ 80+ CRI CRI 90+ CRI
¹ Specify in feet to the nearest foot (i.e. 8) Minimum fixture length is 2'. For fixtures shorter than 8', specify if adjustable mounting is required. ² Specify in inches to the nearest 1/8 (i.e. 180,125). Minimum fixture length is 2'. ³ Specify in inches to the nearest 1/8. Corners are units. ⁴ Contact Design Assist for custom pattern or standalone with adjustable mounting point.					¹ If other output is needed, please contact Design Assist.		¹ Standard CCT range is 27-50k. Contact Design Assist for custom range. ² Photometric data pending for Tunable White and RGBW. ³ RGBW is UL pending and only available in DMX dimming. Contact Design Assist for white CCTs other than 3000k.
¹ Mullion block mounting only							

VOLTAGE	OPTICS	MOUNTING	FINISH	DIMMING
U 120-277V 3 347V ¹	HE HE Tech LV Flat Blade Louver ¹ ASY Asymmetric WG Wall Grazer BW Batwing	P_ Rigid Stem ¹ PV_ Swivel Stem ¹ F Ceiling Surface Mount ² FB Channel Mount ³ R Wall Mount M_ Mullion block ⁴ CY Catenary ⁵	W White B Black T Titanium O_ Other ¹ 	D Standard 0-10V dimming ¹ D3 DMX 0.1% dim-to-dark ² D4 DALI dim-to-off (EldoLED) NAIR nLight@AIR (dim-to-off)
¹ Not offered with Tunable White, Dim-to-Warm, RGBW, or Emergency option.	¹ Flat Blade Louver 2" minimum. Only available for nominal lengths. The louvers standard finish matches the extrusion. Not available with wall mount mounting.	¹ Indicate stem length to nearest inch. 6" minimum. ² Available for ceiling and wall surface mounting. ³ Not available with corners. Not suitable for vertical mount. ⁴ Enter 1 for 1" depth. Enter 5 for 1/2" depth. Enter 2 for 1.5" depth. ⁵ Specify power cord lengths to the nearest inch. Power feed to terminate at remote junction box for individual sections.	¹ Specify RAL# or other custom color.	¹ 0.1% dim-to-dark standard unless otherwise specified. ² Not offered with ceiling surface and channel mount.

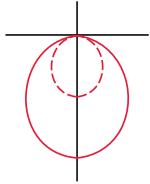
EMERGENCY	SENSORS	OPTIONS
ES_ Emergency - battery Single Electrical Panel ¹ ED_ Emergency - battery Dual Electrical Panel ¹ EC_ Emergency - circuit ²	OF_ Occupancy Sensor On-Board ¹	K Natatorium application ¹ TP Tamper resistant end caps AC Armored cable entry LT Low temperature ²
For standalone units only. Not available on row-mounted fixtures. ¹ Factory-installed integral emergency battery pack. Specify desired quantity of batteries. Not available on fixtures <4' length. Not available for 347V. Not available with Low Temperature applications; EM must be provided by inverter in that case (provided by others). ² For dedicated LED sections being on emergency circuit contact Design Assist for details.	Specify quantity of sensors per fixture. Sensor Module (PIR) is low profile, embedded into the lens, surrounded by a color-matched cover. Designed for sensing at 15ft mounting height. Not offered with DMX dimming/ nLight@AIR/ RGBW.	¹ See guide and contact Design Assist. Not compatible with Flat Blade Louvers. ² Operating temperature up to -30°C. Only available in 0-10V 1% dimming. Not available with emergency battery, must be remote inverter in that case (provided by others).

Photometric data - Lino SP

DIRECT HE TECH

LVH- 4FT- 3500K

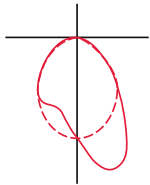
Lumens: 1263 lm/ft
Input watts: 12.5 W/ft
Efficacy: 101 lm/W



DIRECT ASYMMETRIC

LVH- 4FT- 3500K

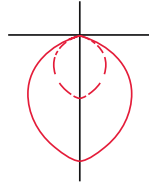
Lumens: 963 lm/ft
Input watts: 12.5 W/ft
Efficacy: 77 lm/W



DIRECT FLAT BLADE LOUVERS

LVH- 4FT- 3500K- White finish

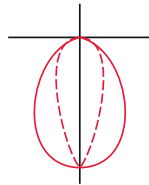
Lumens: 950 lm/ft
Input watts: 12.5 W/ft
Efficacy: 76 lm/W



DIRECT WALL GRAZER

LVH- 4FT- 3500K

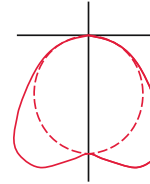
Lumens: 938 lm/ft
Input watts: 12.5 W/ft
Efficacy: 75 lm/W



DIRECT BATWING

LVH- 4FT- 3500K

Lumens: 875 lm/ft
Input watts: 12.5 W/ft
Efficacy: 70 lm/W

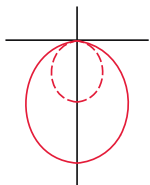


Photometric data - Lino WP

DIRECT HE TECH

LVH- 4FT- 3500K

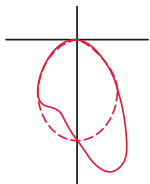
Lumens: 1300 lm/ft
Input watts: 12.5 W/ft
Efficacy: 104 lm/W



DIRECT ASYMMETRIC

LVH- 4FT- 3500K

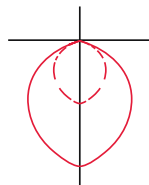
Lumens: 1013 lm/ft
Input watts: 12.5 W/ft
Efficacy: 81 lm/W



DIRECT FLAT BLADE LOUVERS

LVH- 4FT- 3500K- White finish

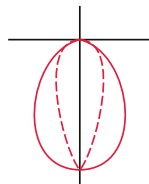
Lumens: 988 lm/ft
Input watts: 12.5 W/ft
Efficacy: 79 lm/W



DIRECT WALL GRAZER

LVH- 4FT- 3500K

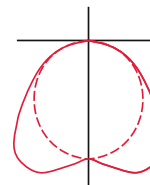
Lumens: 1100 lm/ft
Input watts: 12.5 W/ft
Efficacy: 88 lm/W



DIRECT BATWING

LVH- 4FT- 3500K

Lumens: 1013 lm/ft
Input watts: 12.5 W/ft
Efficacy: 81 lm/W



Light loss factor (LLF) - Lino SP

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY									
				HE TECH		FLAT BLADE LOUVER		BATWING		ASYMMETRIC		WALL GRAZER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	103 lm/W	85 lm/W	78 lm/W	64 lm/W	71 lm/W	59 lm/W	79 lm/W	65 lm/W	77 lm/W	63 lm/W
	3500K	1	0.83	101 lm/W	84 lm/W	76 lm/W	63 lm/W	70 lm/W	58 lm/W	77 lm/W	64 lm/W	75 lm/W	62 lm/W
	3000K	0.97	0.81	98 lm/W	82 lm/W	74 lm/W	62 lm/W	68 lm/W	57 lm/W	75 lm/W	62 lm/W	73 lm/W	61 lm/W
	2700K	0.94	0.79	95 lm/W	80 lm/W	71 lm/W	60 lm/W	66 lm/W	55 lm/W	72 lm/W	61 lm/W	71 lm/W	59 lm/W
LH (high)	4000K	1.02	0.84	100 lm/W	82 lm/W	75 lm/W	62 lm/W	68 lm/W	56 lm/W	77 lm/W	63 lm/W	77 lm/W	63 lm/W
	3500K	1	0.83	98 lm/W	81 lm/W	74 lm/W	61 lm/W	67 lm/W	56 lm/W	75 lm/W	62 lm/W	72 lm/W	60 lm/W
	3000K	0.97	0.81	95 lm/W	79 lm/W	72 lm/W	60 lm/W	65 lm/W	54 lm/W	73 lm/W	61 lm/W	70 lm/W	58 lm/W
	2700K	0.94	0.79	92 lm/W	77 lm/W	70 lm/W	58 lm/W	63 lm/W	53 lm/W	71 lm/W	59 lm/W	68 lm/W	57 lm/W
LS (standard)	4000K	1.02	0.84	109 lm/W	90 lm/W	81 lm/W	66 lm/W	74 lm/W	61 lm/W	83 lm/W	68 lm/W	80 lm/W	66 lm/W
	3500K	1	0.83	107 lm/W	89 lm/W	79 lm/W	66 lm/W	73 lm/W	61 lm/W	81 lm/W	67 lm/W	78 lm/W	65 lm/W
	3000K	0.97	0.81	104 lm/W	87 lm/W	77 lm/W	64 lm/W	71 lm/W	59 lm/W	79 lm/W	66 lm/W	76 lm/W	63 lm/W
	2700K	0.94	0.79	101 lm/W	85 lm/W	74 lm/W	62 lm/W	69 lm/W	58 lm/W	76 lm/W	64 lm/W	73 lm/W	62 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT									
				HE TECH		FLAT BLADE LOUVER		BATWING		ASYMMETRIC		WALL GRAZER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1288 lm/ft	1061 lm/ft	969 lm/ft	798 lm/ft	893 lm/ft	735 lm/ft	982 lm/ft	809 lm/ft	956 lm/ft	788 lm/ft
	3500K	1	0.83	1263 lm/ft	1048 lm/ft	950 lm/ft	789 lm/ft	875 lm/ft	726 lm/ft	963 lm/ft	799 lm/ft	938 lm/ft	778 lm/ft
	3000K	0.97	0.81	1225 lm/ft	1023 lm/ft	922 lm/ft	770 lm/ft	849 lm/ft	709 lm/ft	934 lm/ft	780 lm/ft	909 lm/ft	759 lm/ft
	2700K	0.94	0.79	1187 lm/ft	997 lm/ft	893 lm/ft	751 lm/ft	823 lm/ft	691 lm/ft	905 lm/ft	760 lm/ft	881 lm/ft	741 lm/ft
LH (high)	4000K	1.02	0.84	1050 lm/ft	864 lm/ft	793 lm/ft	653 lm/ft	718 lm/ft	591 lm/ft	803 lm/ft	662 lm/ft	803 lm/ft	662 lm/ft
	3500K	1	0.83	1029 lm/ft	854 lm/ft	777 lm/ft	645 lm/ft	704 lm/ft	584 lm/ft	788 lm/ft	654 lm/ft	756 lm/ft	627 lm/ft
	3000K	0.97	0.81	998 lm/ft	833 lm/ft	754 lm/ft	629 lm/ft	682 lm/ft	570 lm/ft	764 lm/ft	638 lm/ft	733 lm/ft	612 lm/ft
	2700K	0.94	0.79	967 lm/ft	813 lm/ft	730 lm/ft	614 lm/ft	661 lm/ft	556 lm/ft	740 lm/ft	622 lm/ft	711 lm/ft	597 lm/ft
LS (standard)	4000K	1.02	0.84	546 lm/ft	449 lm/ft	403 lm/ft	332 lm/ft	372 lm/ft	307 lm/ft	413 lm/ft	340 lm/ft	398 lm/ft	328 lm/ft
	3500K	1	0.83	535 lm/ft	444 lm/ft	395 lm/ft	328 lm/ft	365 lm/ft	303 lm/ft	405 lm/ft	336 lm/ft	390 lm/ft	324 lm/ft
	3000K	0.97	0.81	519 lm/ft	433 lm/ft	383 lm/ft	320 lm/ft	354 lm/ft	296 lm/ft	393 lm/ft	328 lm/ft	378 lm/ft	316 lm/ft
	2700K	0.94	0.79	503 lm/ft	423 lm/ft	371 lm/ft	312 lm/ft	343 lm/ft	288 lm/ft	381 lm/ft	320 lm/ft	367 lm/ft	308 lm/ft

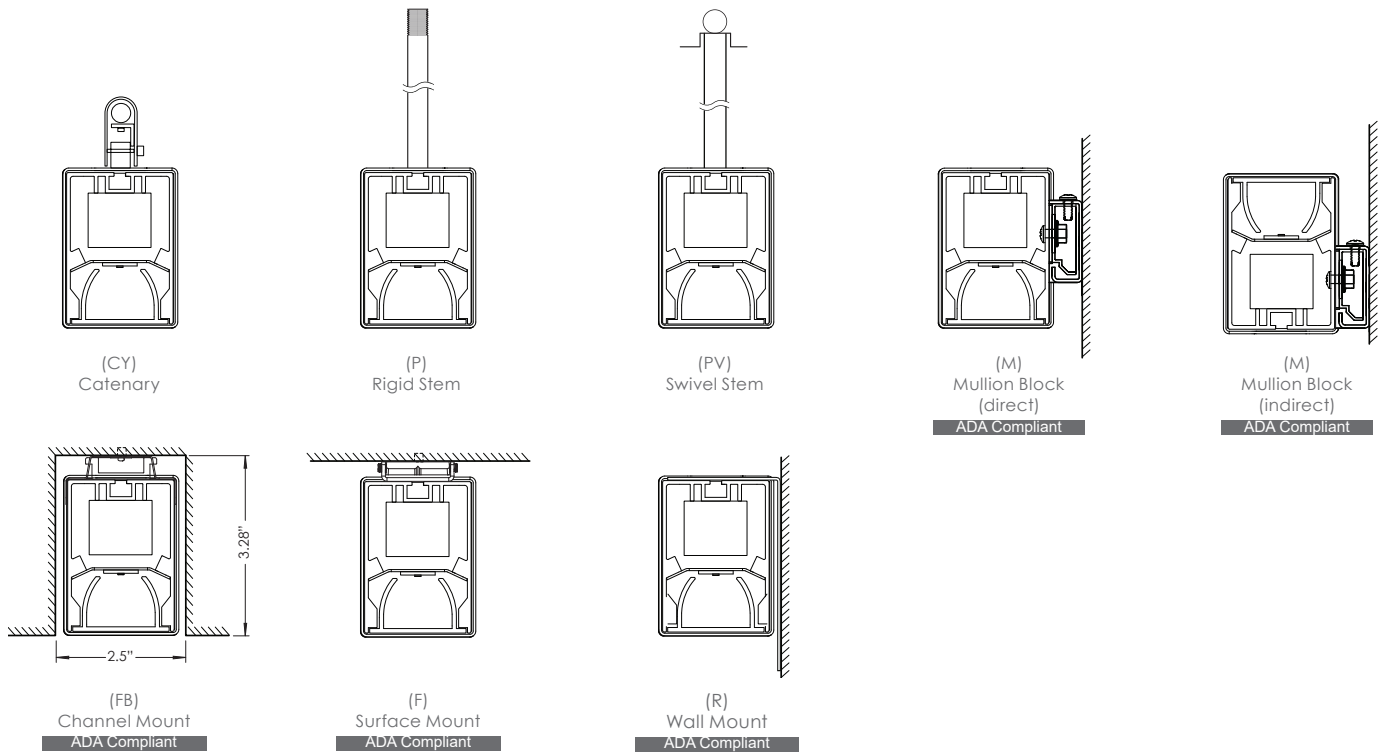
Light loss factor (LLF) - Lino WP

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY									
				HE TECH		FLAT BLADE LOUVER		BATWING		ASYMMETRIC		WALL GRAZER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	106 lm/W	87 lm/W	81 lm/W	66 lm/W	83 lm/W	68 lm/W	83 lm/W	68 lm/W	90 lm/W	74 lm/W
	3500K	1	0.83	104 lm/W	86 lm/W	79 lm/W	66 lm/W	81 lm/W	67 lm/W	81 lm/W	67 lm/W	88 lm/W	73 lm/W
	3000K	0.97	0.81	101 lm/W	84 lm/W	77 lm/W	64 lm/W	79 lm/W	66 lm/W	79 lm/W	66 lm/W	85 lm/W	71 lm/W
	2700K	0.94	0.79	98 lm/W	82 lm/W	74 lm/W	62 lm/W	76 lm/W	64 lm/W	76 lm/W	64 lm/W	83 lm/W	70 lm/W
LH (high)	4000K	1.02	0.84	102 lm/W	84 lm/W	78 lm/W	64 lm/W	81 lm/W	66 lm/W	81 lm/W	66 lm/W	90 lm/W	74 lm/W
	3500K	1	0.83	100 lm/W	83 lm/W	76 lm/W	63 lm/W	79 lm/W	66 lm/W	79 lm/W	66 lm/W	86 lm/W	71 lm/W
	3000K	0.97	0.81	97 lm/W	81 lm/W	74 lm/W	62 lm/W	77 lm/W	64 lm/W	77 lm/W	64 lm/W	83 lm/W	70 lm/W
	2700K	0.94	0.79	94 lm/W	79 lm/W	71 lm/W	60 lm/W	74 lm/W	62 lm/W	74 lm/W	62 lm/W	81 lm/W	68 lm/W
LS (standard)	4000K	1.02	0.84	111 lm/W	92 lm/W	84 lm/W	69 lm/W	88 lm/W	72 lm/W	88 lm/W	72 lm/W	95 lm/W	78 lm/W
	3500K	1	0.83	109 lm/W	90 lm/W	82 lm/W	68 lm/W	86 lm/W	71 lm/W	86 lm/W	71 lm/W	93 lm/W	77 lm/W
	3000K	0.97	0.81	106 lm/W	88 lm/W	80 lm/W	66 lm/W	83 lm/W	70 lm/W	83 lm/W	70 lm/W	90 lm/W	75 lm/W
	2700K	0.94	0.79	102 lm/W	86 lm/W	77 lm/W	65 lm/W	81 lm/W	68 lm/W	81 lm/W	68 lm/W	87 lm/W	73 lm/W

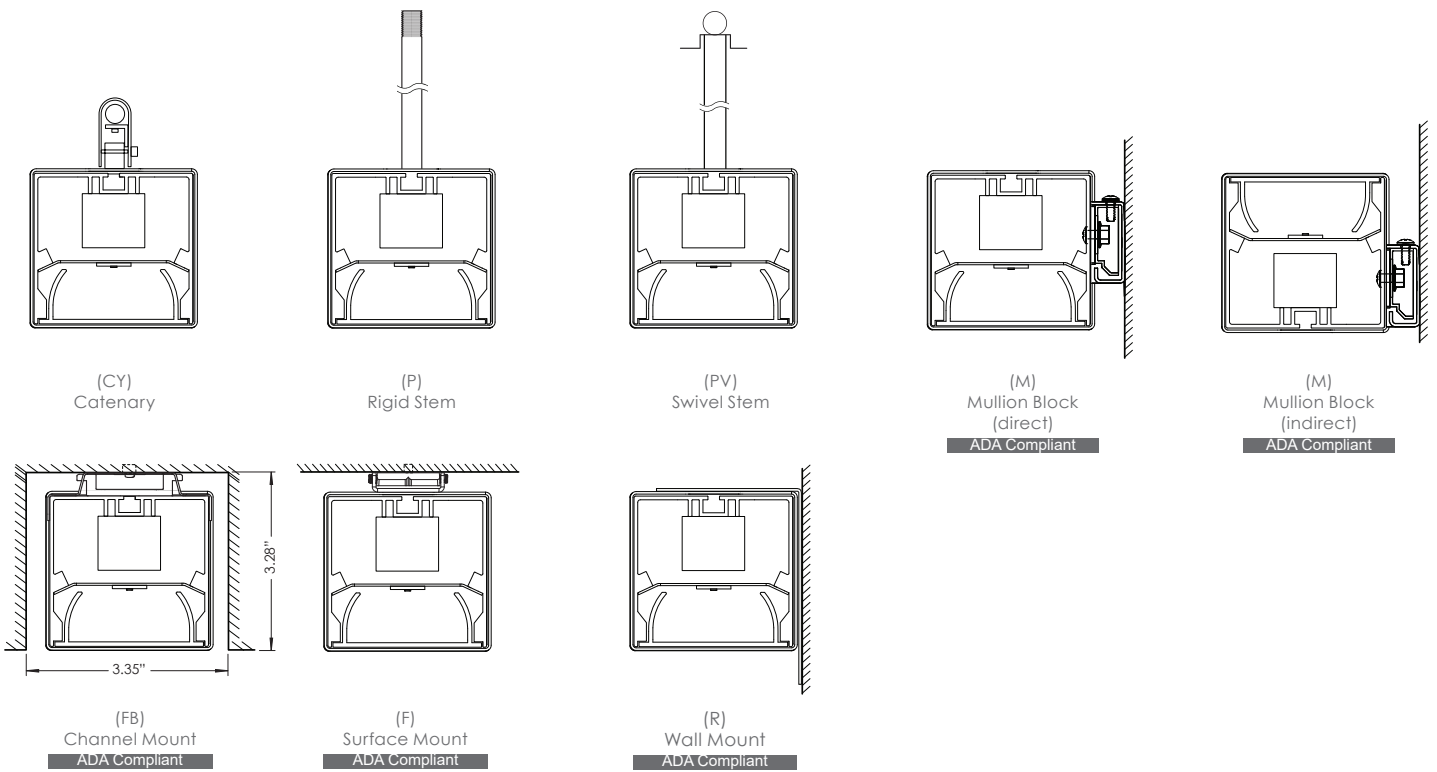
OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT									
				HE TECH		FLAT BLADE LOUVER		BATWING		ASYMMETRIC		WALL GRAZER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1326 lm/ft	1092 lm/ft	1007 lm/ft	830 lm/ft	1033 lm/ft	851 lm/ft	1033 lm/ft	851 lm/ft	1122 lm/ft	924 lm/ft
	3500K	1	0.83	1300 lm/ft	1079 lm/ft	988 lm/ft	820 lm/ft	1013 lm/ft	840 lm/ft	1013 lm/ft	840 lm/ft	1100 lm/ft	913 lm/ft
	3000K	0.97	0.81	1261 lm/ft	1053 lm/ft	958 lm/ft	800 lm/ft	982 lm/ft	820 lm/ft	982 lm/ft	820 lm/ft	1067 lm/ft	891 lm/ft
	2700K	0.94	0.79	1222 lm/ft	1027 lm/ft	928 lm/ft	780 lm/ft	952 lm/ft	800 lm/ft	952 lm/ft	800 lm/ft	1034 lm/ft	869 lm/ft
LH (high)	4000K	1.02	0.84	1071 lm/ft	882 lm/ft	814 lm/ft	670 lm/ft	846 lm/ft	697 lm/ft	846 lm/ft	697 lm/ft	942 lm/ft	776 lm/ft
	3500K	1	0.83	1050 lm/ft	872 lm/ft	798 lm/ft	662 lm/ft	830 lm/ft	688 lm/ft	830 lm/ft	688 lm/ft	903 lm/ft	749 lm/ft
	3000K	0.97	0.81	1019 lm/ft	851 lm/ft	774 lm/ft	646 lm/ft	805 lm/ft	672 lm/ft	805 lm/ft	672 lm/ft	876 lm/ft	731 lm/ft
	2700K	0.94	0.79	987 lm/ft	830 lm/ft	750 lm/ft	630 lm/ft	780 lm/ft	655 lm/ft	780 lm/ft	655 lm/ft	849 lm/ft	713 lm/ft
LS (standard)	4000K	1.02	0.84	556 lm/ft	458 lm/ft	418 lm/ft	344 lm/ft	439 lm/ft	361 lm/ft	439 lm/ft	361 lm/ft	474 lm/ft	391 lm/ft
	3500K	1	0.83	545 lm/ft	452 lm/ft	410 lm/ft	340 lm/ft	430 lm/ft	357 lm/ft	430 lm/ft	357 lm/ft	465 lm/ft	386 lm/ft
	3000K	0.97	0.81	529 lm/ft	441 lm/ft	398 lm/ft	332 lm/ft	417 lm/ft	348 lm/ft	417 lm/ft	348 lm/ft	451 lm/ft	377 lm/ft
	2700K	0.94	0.79	512 lm/ft	431 lm/ft	385 lm/ft	324 lm/ft	404 lm/ft	340 lm/ft	404 lm/ft	340 lm/ft	437 lm/ft	367 lm/ft

Mountings

Lino SP



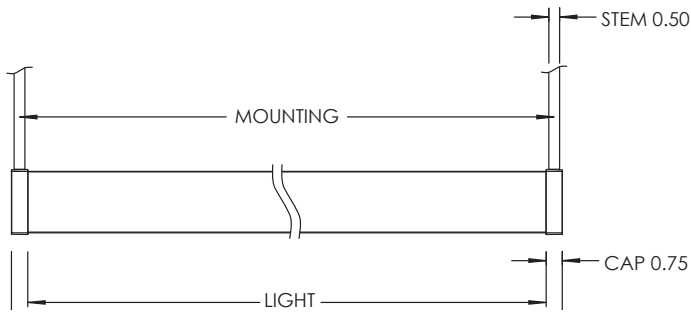
Lino WP



SPECIFICATION GUIDE

Dimensions

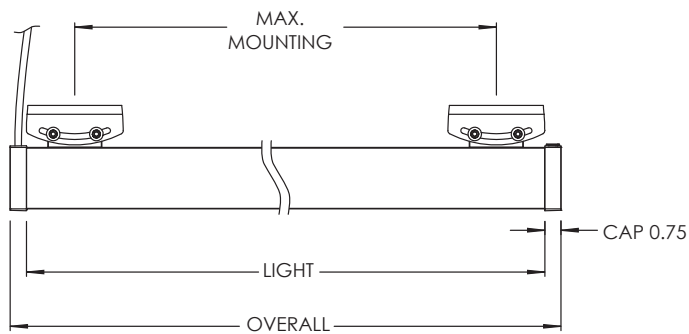
Rigid and swivel stem



	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING *	24.75"	36.75"	48.75"	60.75"	72.75"	84.75"	96.75"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

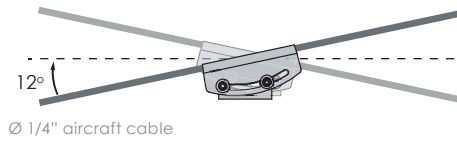
* Not adjustable

Catenary

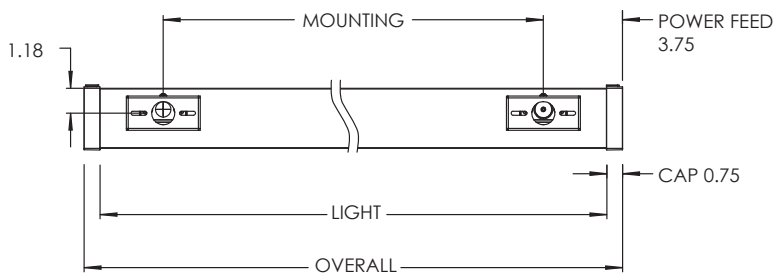


	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING (MAX.)	19.52"	31.52"	43.52"	55.52"	67.52"	79.52"	91.52"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

ANGLE ADJUSTMENT :



Mullion block (direct)



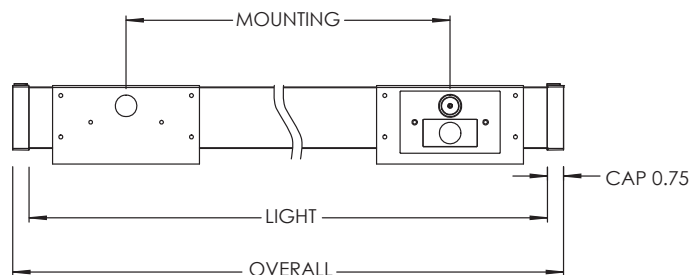
	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING*	18.00"	30.00"	42.00"	54.00"	66.00"	78.00"	90.00"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

*Max, specify otherwise.

*2,3,4,5,6' two Mullion blocks. 7 and 8', three mullions with the middle one centered.

*Power feed not adjustable, please specify position.

Wall mount



	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING*	15.00"	27.00"	39.00"	51.00"	63.00"	75.00"	87.00"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

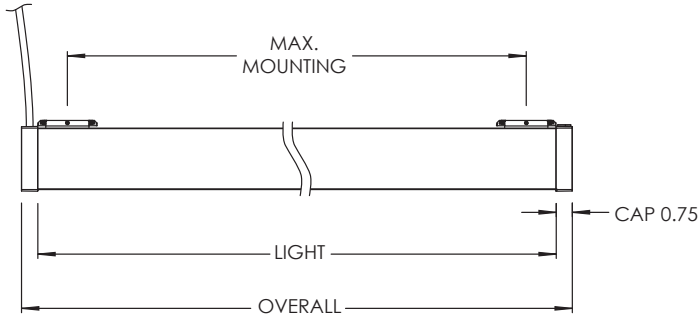
*Max, specify otherwise.

*2,3,4,5,6' two brackets. 7 and 8', three brackets with the middle one centered.

*Power feed not adjustable, please specify position.

SPECIFICATION GUIDE

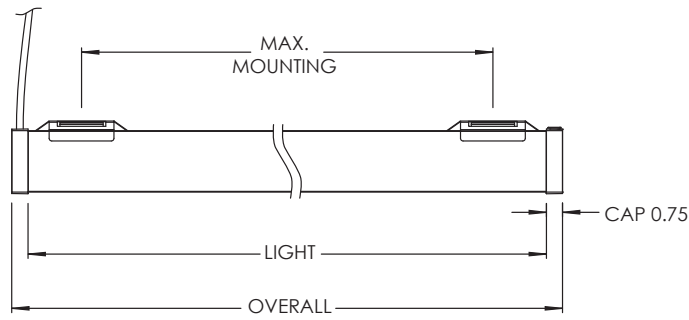
Ceiling surface mount



	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING (MAX.)	21.24"	33.24"	45.24"	57.24"	69.24"	81.24"	93.24"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

*Adjustable
 *2,3,4,5,6' two mounting brackets. 7 and 8', three mounting brackets with the middle one centered.
 *Power feed not adjustable, please specify position.

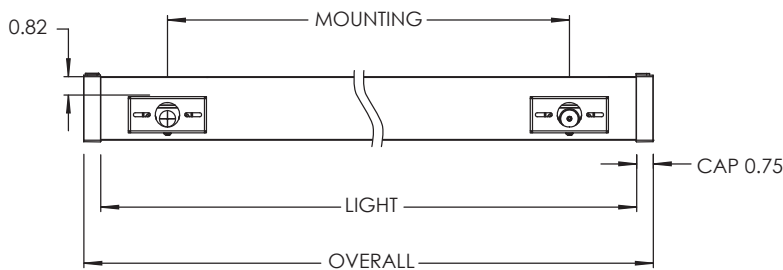
Channel mount



	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING (MAX.)*	19.05"	31.05"	43.05"	55.05"	67.05"	79.05"	91.05"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

*Adjustable
 *2,3,4,5,6' two mounting brackets. 7 and 8', three mounting brackets with the middle one centered.
 *Power feed not adjustable, please specify position.

Mullion block mount (indirect)

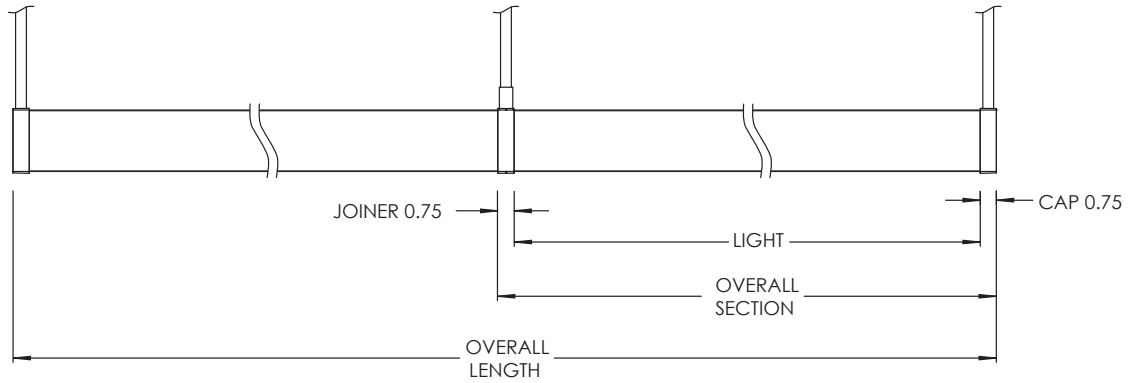


	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
MOUNTING*	18.00"	30.00"	42.00"	54.00"	66.00"	78.00"	90.00"
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL	25.375"	37.375"	49.375"	61.375"	73.375"	85.375"	97.375"

*Max. specify otherwise.
 *2,3,4,5,6' two Mullion blocks. 7 and 8', three mullions with the middle one centered.
 *Power feed not adjustable, please specify position.

SPECIFICATION GUIDE

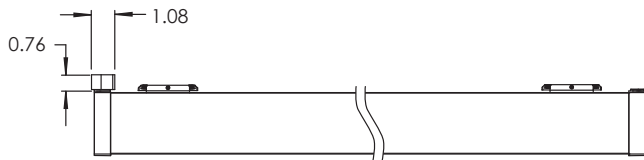
Row mounting



	DIMENSIONS (NOMINAL)						
	2'	3'	4'	5'	6'	7'	8'
LIGHT	24.00"	36.00"	48.00"	60.00"	72.00"	84.00"	96.00"
OVERALL SECTION	25.50"	37.50"	49.50"	61.50"	73.50"	85.50"	97.50"

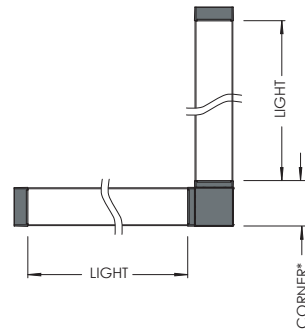
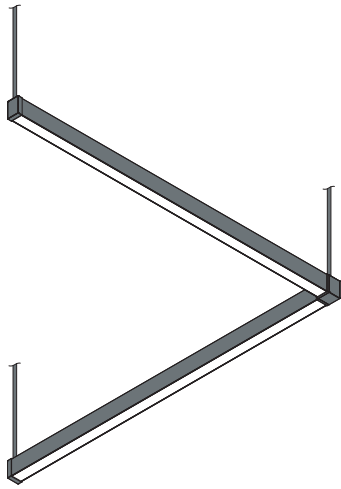
	DIMENSIONS (NOMINAL)						
	10' (5'+5')	11' (6'+5')	12' (6'+6')	13' (7'+6')	14' (7'+7')	15' (8'+7')	16' (8'+8')
OVERALL LENGTH	122.00"	134.00"	146.00"	158.00"	170.00"	182.00"	194.00"

Armored cable



Configurations

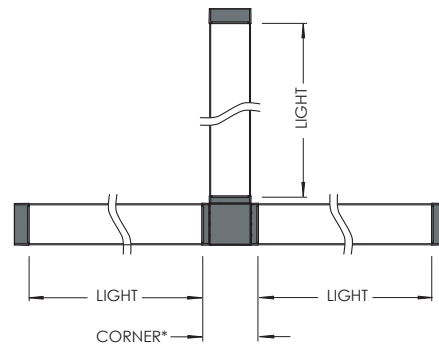
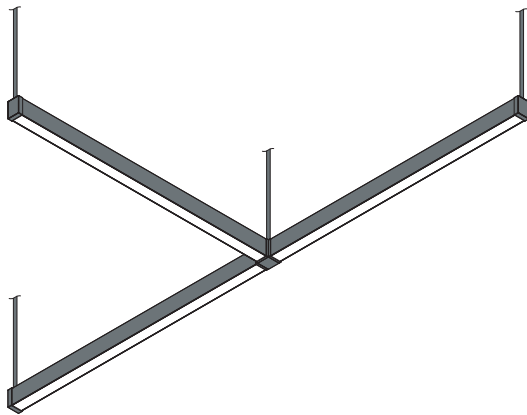
"L" shape



	DIMENSION CORNER
SP	2.52"
WP	3.52"

*Corner is unlit.

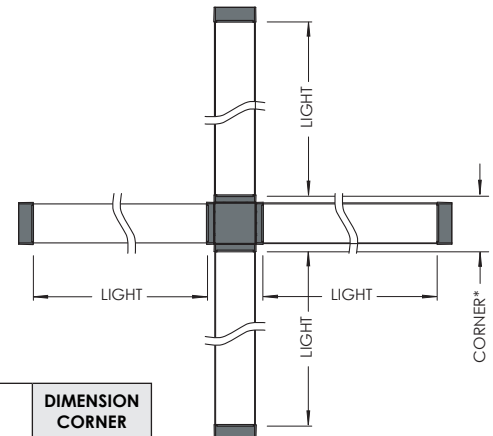
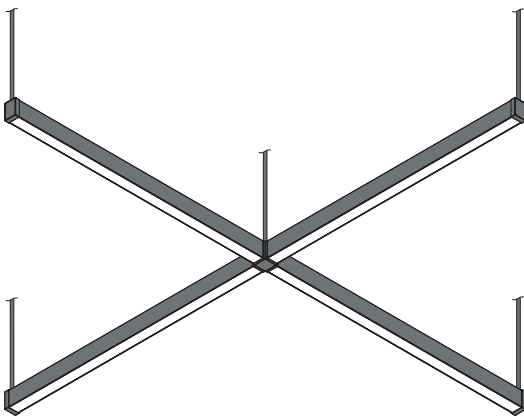
"T" shape



	DIMENSION CORNER
SP	2.895"
WP	3.895"

*Corner is unlit.

"X" shape

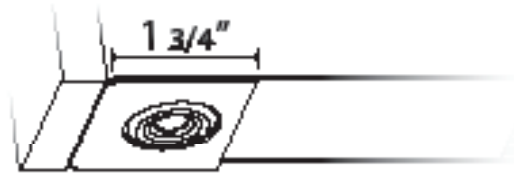


	DIMENSION CORNER
SP	2.895"
WP	3.895"

*Corner is unlit.

Dimensions

Occupancy sensor option*



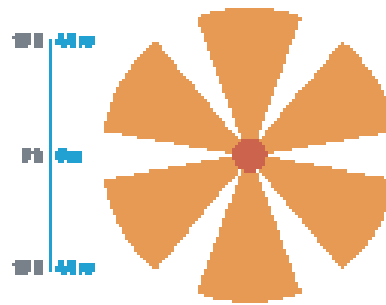
15F - LARGE MOTION EXTENDED RANGE

Optimized full coverage from 8 ft - 15 ft (2.4 m - 4.5 m) mounting heights

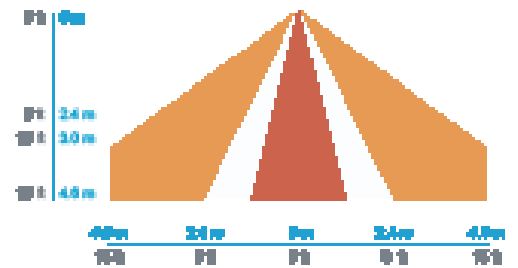
Reliable detection of large motion (e.g. pedestrian walking traffic)

1.3 x's mounting height equals approximate detection range

TOP VIEW



SIDE VIEW



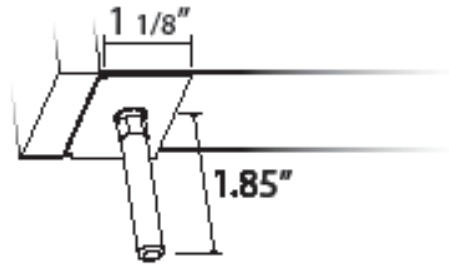
* On/Off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height. Programming is done through VLP app. Sensor will only control the fixture section it is embedded into (Standalone operation). Sensor has a low-profile lens-embedded round lens (black only), surrounded by a painted cover matching the body color.

Sensor cover reduces the dimensions of the lit portion of the lens. Ex: If specifying a 48" lens fixture with Sensor option (OF), the lit portion will be reduced to 46 1/4", whereas the body remains at 48". Contact Design Assist for any assistance.

SPECIFICATION GUIDE

Dimensions

nLight® AIR option*

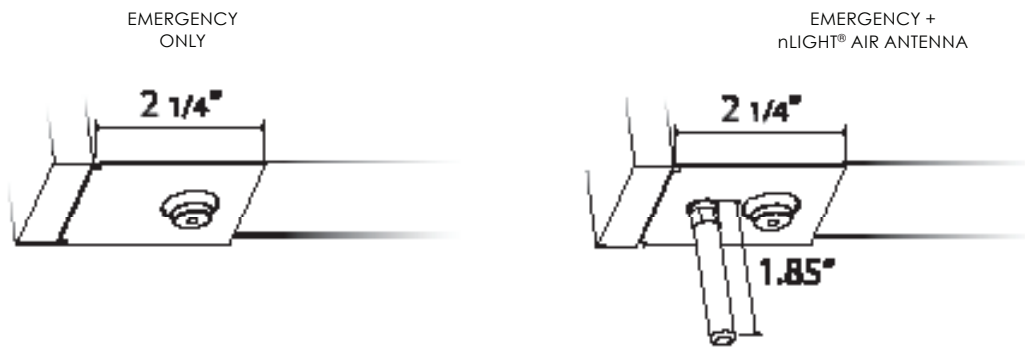


*nLight® AIR has a lens-mounted antenna, surrounded by a painted cover matching the body color. Antenna is available in Black or White; color will be chosen based on body color (Ex: Black antenna for Black or Titanium body, White for White body). Contact Design Assist to specify antenna color for custom requests.

Antenna cover reduces the dimensions of the lit portion of the lens. Ex: If specifying a 48" fixture with Sensor option, the lit portion will be reduced to 46 7/8", whereas the body remains at 48". Contact Design Assist for any assistance.

NOTE: nLight® Wired controls are not available on the Lino.

Emergency battery option*



*Emergency Battery Option has a small lens-embedded round test button (black only) surrounded by a painted cover matching the body color.

If nLight® AIR option is chosen, antenna is available in Black or White; color will be chosen based on body color (Ex: Black antenna for Black or Titanium body, White for White body). Contact Design Assist to specify antenna color for custom requests.

Button cover reduces the dimensions of the lit portion of the lens. Ex: If specifying a 48" lens fixture with Emergency option (E/EC), the lit portion will be reduced to 45 1/4", whereas the body remains at 48". Contact Design Assist for any assistance.

LINEAR DIMENSIONS

Nominal or exact lengths to the nearest 1/8th of an inch available as individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 2 feet. Patterns comprised of 90° L, T and X corners provide a multitude of geometric options and architectural transitions.

Custom - Contact [Design Assist](#) for modifications to product not detailed within specification sheets.

OPTICS

The high-efficiency extruded acrylic lens technology, patented HE Tech™, features high efficacy lumen outputs, UV-stability, an integrated opaque white reflector, an optimal uniform lens surface luminance for direct distribution and a TPU gasket for IP66 sealing.

Flat Blade Louvers are used to cut down on glare and better control the light source. This option includes the high efficacy extruded diffuse acrylic lens technology with integrated opaque white reflector (inserted between the louvers and the LEDs), that enhances glare control. The louvers standard finish matches the extrusion. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

Asymmetric, Wall grazer and Batwing are film optics that refract light along with an HE Tech co-extruded diffuse acrylic lens with integrated opaque white reflector.

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, High and Very High outputs. Refer to photometry for delivered lumens. Custom output available.

LED DIMMING DRIVER

Factory tuned constant current electronic 0-10V control dimming driver is standard. Specification grade dimming down to 1%. Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 50°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency. For low temperature option, minimum ambient operating temperature is -40°C.

EMERGENCY

This luminaire can be provided with a factory installed integral LED emergency lighting battery pack for both normal and emergency operation, 120-277v only (not available with 347v). This fixture integrated unit contains long-life Ni- Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, in accordance with local code. Emergency mode provides constant power to a nominal 12W LED load for a period of 90 minutes, delivering 1200 lumens of unwavering illumination throughout the full 90 minute emergency duration. Unless otherwise specified, the emergency battery pack will illuminate one 2 foot end in the direct portion of the fixture. Not available in fixtures <4ft'. Should the fixture be smaller than 4ft or require Low Temperature rating, must be wired to remote inverter (inverter provided by others).

Emergency circuiting provided as a separate circuit from normal power circuit according to NEC requirements, specify circuit length and location.

nLIGHT®

Integrated nLight® for networking wireless :

The integrated API smart sensor is 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 a great solution for any application. Optionally you can order nLight® AIR sensors for compatibility with an nLight Air wireless system. The rIO model are available for integration

nLight enabled, remote mounted controls provided by others. Please contact an Acuity controls representative for more information.

MOUNTING

Suspension with catenary system or pendant stems mounting available.

Catenary system set includes brackets to mount fixture directly to catenary cable. Black power cord provided for all other fixture finishes unless otherwise specified.

Rigid pendant stem-set includes 3/4" hollow threaded rod for suspension and power feed. Standard specification length 36", 6" minimum. Rigid pendant stems & 5" round mono point canopies are painted white unless otherwise noted.

45-degree angle swivel stem. Swivel stem set includes 3/4" hollow threaded rod for suspension and power feed, standard specification length 36", 6" minimum. Swivel stem & 5" round mono point canopies are painted white unless otherwise noted.

Specify if another suspension length is required. Canopies provided as required for the quantity of power feed and non-

power feed locations (crossbar included with power feed only). Specify if another shape, size, or color is required.

Wall mounting is ADA compliant. The top groove of the fixture is used to mount the fixture and provides a firm and flexible mounting option.

Surface ceiling is offered with die-cast mounting blocks with sheet metal brackets used to provide a firm flexible mounting option in any orientation the system might be installed in. Surface ceiling is ADA compliant when mounting on walls.

Channel mount is offered with similar hardware than regular surface ceiling but the brackets are altered so fixtures can be removed in tight, enclosed spaces where side access to the fixture is not available. Channel mount is also ADA compliant.

Mullion blocks are used to mount fixture to a horizontal or vertical window mullion and can also be used to offset fixture from wall. 0.5", 1" or 1.5" sheet metal mullion blocks are standard available. (2) blocks provided for extrusions 8ft or less, fixtures larger than 8ft additional blocks are provided as required. Quantity of power feed and non power feed blocks provided as required. Fixture mounting requires field drilled mounting and power feed holes. Factory pre-drilled holes can be drilled and tapped for 1/2" chase nipple, submit dimension requirements when ordering.

FINISH

Electrostatically applied powder coat finish. Standard finish options include titanium, white, and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

LISTING

Product is compliant and certified to CSA C22.2 No. 250.0 and UL 1598. Wet location as per the applicable standards. IP66 test report available upon request.

The Lino 1 and Lino 3 are assembled in the U.S.A. and comply with the Buy America(n) Act(BAA), Build American, Buy America (BABA), government procurement requirements under FAR, DFARS, and DOTS.

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for five (5) year. LED products (LED boards and drivers) will be covered for five (5) years. Please refer to the full terms and conditions on our website: www.alights.com/downloads/warranty/

Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 17](#)

Quick Facts

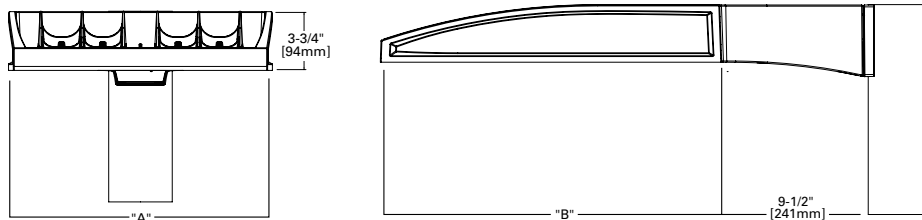
- Lumen packages range from 3,300 - 102,700 (33W - 658W)
- 22 optical distributions
- Efficacy up to 178 LPW

Connected Systems

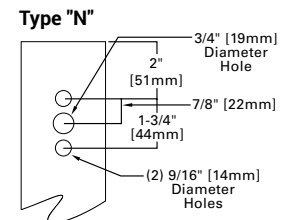
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern



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. IDA Certified (3000K CCT and warmer only, fixed mounting options)

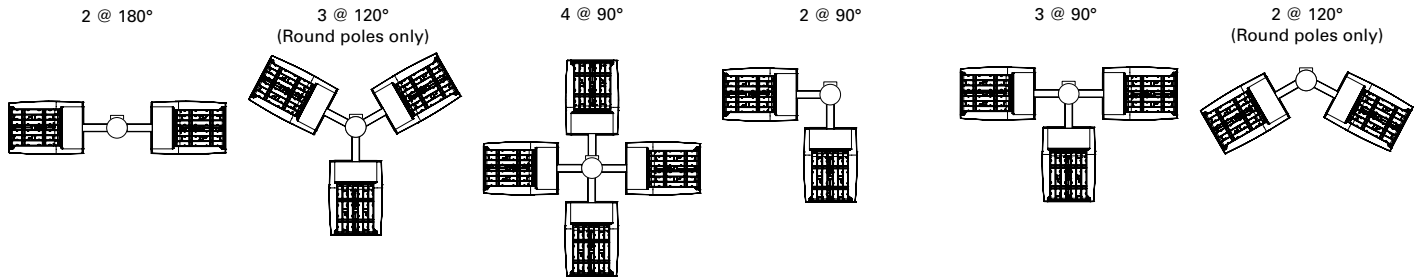
Ordering Information

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

Product Family ^{1,2}	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁶ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁶ BABA-GALN =Galleon II BABA/IIJA Compliant ³⁸	SA =16 LED Light Square SB =26 LED Light Square	1=1 Light Square 2=2 Light Squares 3=3 Light Squares 4=4 Light Squares 5=5 Light Squares 6=6 Light Squares 7=7 Light Squares 8=8 Light Squares 9=9 Light Squares	A =Output Level 1 B =Output Level 2 C =Output Level 3 D =Output Level 4 ^{4,16} Z =Configured Output ³²	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 ^{14,16}	U =120-277V H =347V-480V ^{7,29} 1=120V 2=208V 3=240V 4=277V 8=480V ^{7,29} 9=347V ⁷ DV =277V-480V DuraVolt Drivers ^{28,29,30}	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 T2BC =Type II w/ Backlight Control ³⁹ T3BC =Type III w/ Backlight Control ³⁹ T4BC =Type IV w/ Backlight Control ³⁹ LBC =90° Left w/ Backlight Control ³⁹ RBC =90° Right w/ Backlight Control ³⁹	[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 WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ²⁷		
DIM =External 0-10V Dimming Leads ¹⁹ 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 ¹⁶ HSS =Installed House Side Shield ¹⁷ BCS =Backlight Control Shield ^{17,37} GRSBK =Glare Reducing Shield, Black ²² GRSWH =Glare Reducing Shield, White ²² LCF =Light Square Trim Painted to Match Housing ²⁵ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right 3SDCM =3 Standard Deviation Color Matching ³⁶ AHD145 =After Hours Dim, 5 Hours ²¹ AHD245 =After Hours Dim, 6 Hours ²¹ AHD255 =After Hours Dim, 7 Hours ²¹ AHD355 =After Hours Dim, 8 Hours ²¹ DALI =DALI Drivers CDW =Non-programmable Drivers ⁴¹			BPC =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. ⁴ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²⁰ FADC =Field Adjustable Dimming Controller ³¹ PSC =Photocontrol Shorting Cap SPB2 =Dimming Motion Sensor, 9'-20' mounting ²³ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²³ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²³ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²³ MS/DIM-L20 =Motion Sensor for Dimming Operation, 9'-20' Mounting ^{33,40} MS/DIM-L40 =Motion Sensor for Dimming Operation, 21'-40' Mounting ^{33,40} WLS2XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{12,18,34} WLS4XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{12,18,34} WPS2XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{12,13,18,34} WPS4XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{12,13,18,34} DIM10-L20 =AirMesh Occupancy Sensor (9'-20' Mounting) ^{18,35} DIM10-L40 =AirMesh Occupancy Sensor (21'-40' Mounting) ^{18,35}			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 FSIR-100 =Wireless Configuration Tool for MS/DIM ³³ LS/HSS =Field Installed House Side Shield for SA Light Squares ^{9,17} LS/HSS-SB =Field Installed House Side Shield for SB Light Squares ^{9,17} LS/BCS =Backlight Control Shield ^{9,17,37} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{9,22} LS/GRSWH-2PK =Glare Reducing Shield, White ^{9,22} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11,18,35} TL7-G1-HV = AirMesh 7-PIN mode, 110-480V ^{11,18,35} CBSSW-450-002 = AirMesh central base station with 5-button control ³⁵		
<p>NOTES:</p> <ol style="list-style-type: none"> 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. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 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. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used. TH option not 3G rated. Not available with Coastal Construction (CC) option. Not available with voltage options H, 8 or 9. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. One required for each Light Square. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinX or 20kV surge option. Requires PR7. Replace XX with sensor color (WH, BZ or BK). 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. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. Set of 4 pcs. One set required per Light Square. HA option not available with Output Level 4 or AMB Amber. Not for use with T1, 5NQ, 5MQ, 5WQ or RW optics. Cannot be used with other control options. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options. Not available if any SPB, or WaveLinX sensor is selected. Motion sensor has an integral photoeye. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares. Sensor configuration mobile application required for configuration. See controls page for details. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. Not available with HSS, GRSWH or GRSBK. 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. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 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. 480V not to be used with ungrounded or impedance grounded systems. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares. 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. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx). Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation. 3-step MacAdam ellipse binning. Available in 740 CRI/CCT only. Longer lead times apply, consult your lighting representative at Cooper Lighting Solutions for more information. Not available with SB light squares. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC.PREFERENCES website or consult the CLSDomestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Select SA light square. Only available with Output Levels 1, 2 or 3. Not compatible with HSS, GRS, BCS or PFS shield options, or LCF. Not compatible with DALI. Uses non-NFC (Near Field Communication) drivers to eliminate field-programmability. 								

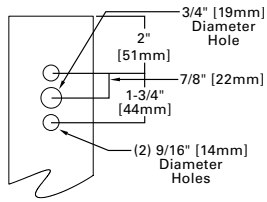
Mounting Details

Pole Configuration Options

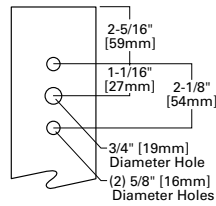


Pole Drilling Patterns

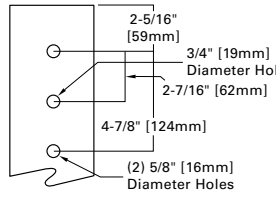
Type "N"



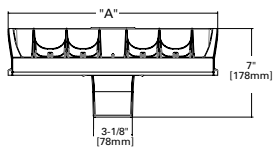
Type "R"



Type "M"

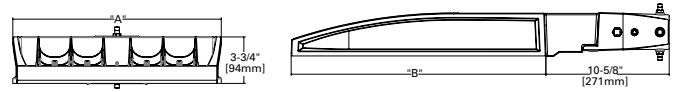


Quick Mount Universal Arm (QU)



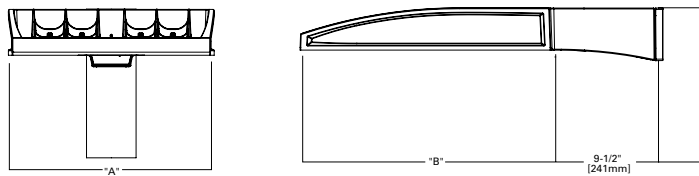
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



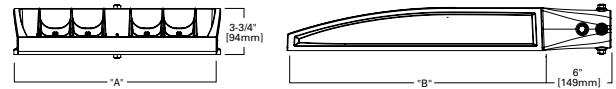
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



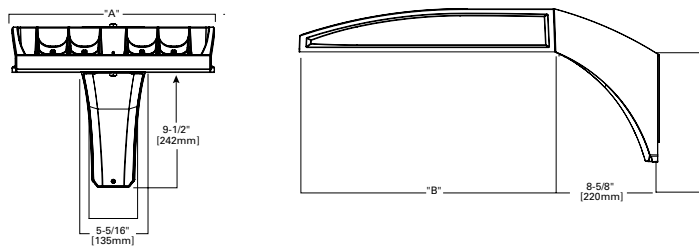
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



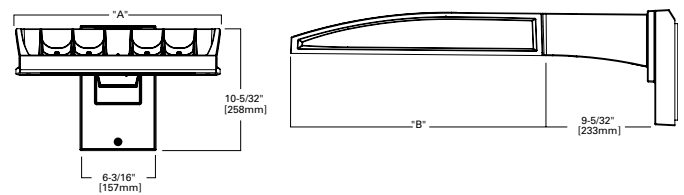
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



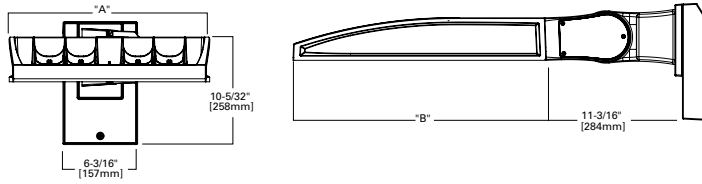
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)

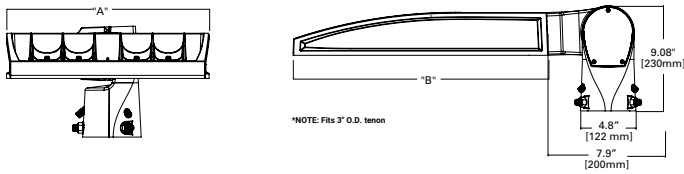


Mounting Details

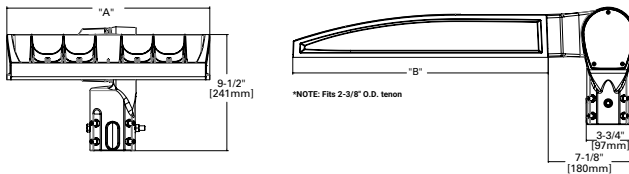
Wall Mount, Adjustable (WA)



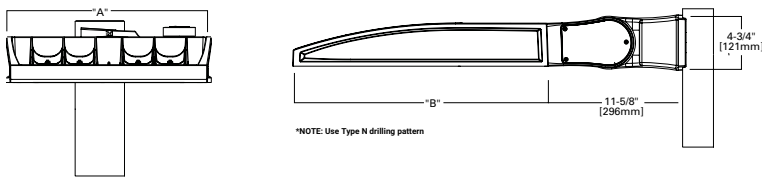
3" Slipfitter, Adjustable (SP)



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

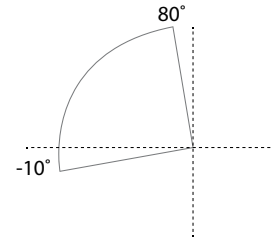


Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion

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

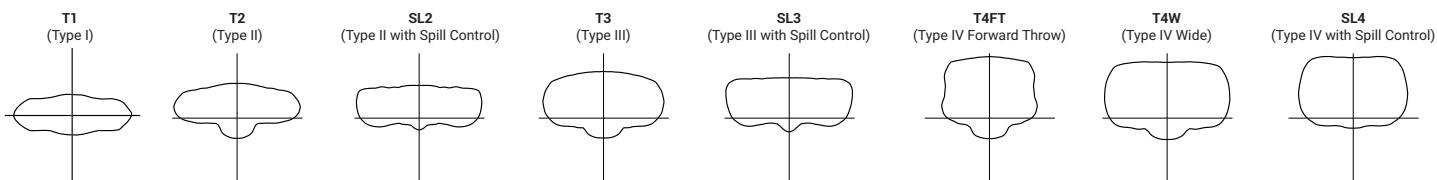


Fixture Weights and EPAs

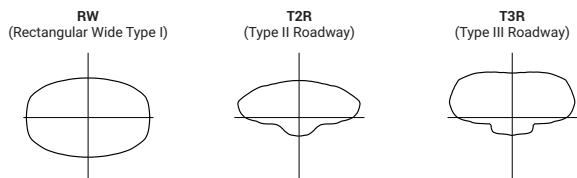
Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (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

Optical Distributions

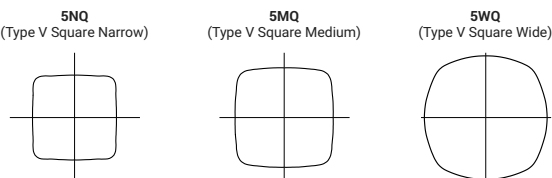
Asymmetric Area Distributions



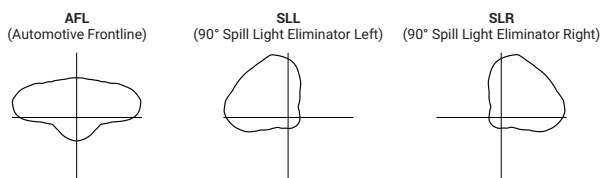
Asymmetric Roadway Distributions



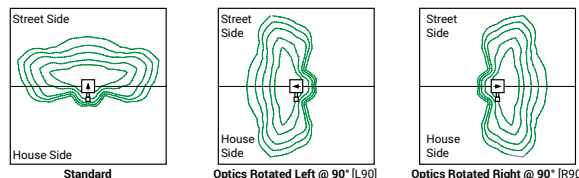
Symmetric Distributions



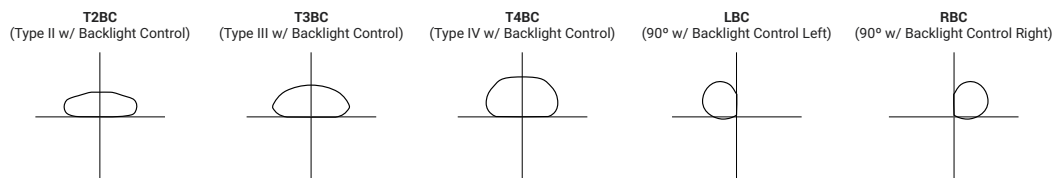
Specialized Distributions



Rotated Optics



Backlight Control 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
- 22 optical distributions for area site and roadway applications
- 4 shielding options include HSS, BCS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)
- 5 step MacAdam ellipse binning (5 SDCM) standard with 70CRI and 80CRI. 3SDCM option available with 740 CRI/CCT. 3 step MacAdam ellipse binning standard with 90CRI

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
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

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

Compliance

- Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified
- IDA Certified (3000K CCT and warmer only, fixed mounting options)
- Declare compliant
- This Cooper product is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas
- Sports lighting, including tennis, pickleball, basketball courts

Warranty

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	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
Output Level 4	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
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	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.

FADC Settings

SA1-SA3 (All Output Levels)

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%

Note: +/-5% typical value

FADC Settings

SA4-SA6 (All Output Levels)

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%

Note: +/-5% typical value

FADC Settings

SA7-SA9 (All Output Levels)

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%

Note: +/-5% typical value

Drive Currents

Lumen Output	SA Light Squares	SB Light Squares
Output Level 1	615mA	350mA
Output Level 2	800mA	450mA
Output Level 3	1050mA	615mA
Output Level 4	1200mA	900mA

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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.

SA Light Squares, Output Level 2, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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.

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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.

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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.

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T2R	Lumens	4,835	9,667	14,503	19,373	24,418	29,313	34,377	39,087	44,029
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	156	169	171	170	172	172	173	172	172
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	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	154	166	168	167	169	169	170	169	169
T3R	Lumens	4,874	9,743	14,618	19,526	24,611	29,544	34,648	39,396	44,376
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	158	170	173	171	174	173	174	173	174
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	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	152	164	166	165	167	166	168	167	167
T4W	Lumens	4,738	9,472	14,211	18,983	23,926	28,723	33,685	38,300	43,142
	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	153	165	168	167	169	168	169	169	169
SL2	Lumens	4,719	9,433	14,153	18,905	23,828	28,605	33,546	38,143	42,965
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	153	165	167	166	168	167	168	168	168
SL3	Lumens	4,640	9,276	13,916	18,589	23,430	28,127	32,986	37,506	42,247
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	150	162	164	163	165	165	166	165	165
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5NQ	Lumens	4,975	9,945	14,921	19,931	25,121	30,157	35,367	40,213	45,297
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	161	174	176	175	177	176	178	177	177
5MQ	Lumens	4,972	9,939	14,912	19,919	25,106	30,139	35,346	40,189	45,269
	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	161	173	176	175	177	176	178	177	177
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	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	155	168	170	169	171	170	171	171	171
SLL/SLR	Lumens	4,730	9,457	14,188	18,952	23,887	28,676	33,630	38,238	43,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	153	165	168	166	169	168	169	168	169
RW	Lumens	4,889	9,773	14,663	19,586	24,686	29,635	34,755	39,517	44,513
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	158	171	173	172	174	173	175	174	174
AFL	Lumens	4,828	9,652	14,482	19,344	24,381	29,269	34,325	39,029	43,963
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	156	168	171	170	172	171	172	172	172

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	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	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T2R	Lumens	6,070	12,135	18,206	24,319	30,652	36,797	43,154	49,067	55,270
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	153	164	167	165	168	167	168	168	168
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	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	150	161	164	163	165	164	165	165	165
T3R	Lumens	6,118	12,231	18,350	24,511	30,894	37,087	43,494	49,454	55,706
	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	154	166	168	167	169	168	169	169	169
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T4W	Lumens	5,948	11,891	17,840	23,830	30,035	36,056	42,285	48,079	54,157
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	149	161	163	162	164	164	165	164	164
SL2	Lumens	5,923	11,842	17,766	23,732	29,912	35,908	42,111	47,882	53,935
	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	149	160	163	161	164	163	164	164	164
SL3	Lumens	5,824	11,644	17,469	23,335	29,412	35,308	41,407	47,081	53,033
	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	B4-U0-G5
	Lumens per Watt	146	158	160	159	161	160	161	161	161
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5NQ	Lumens	6,245	12,484	18,731	25,020	31,535	37,857	44,397	50,480	56,862
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	157	169	172	170	173	172	173	172	173
5MQ	Lumens	6,241	12,477	18,719	25,005	31,516	37,834	44,370	50,450	56,827
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	157	169	171	170	173	172	173	172	172
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167
SL/SLR	Lumens	5,938	11,871	17,811	23,791	29,986	35,997	42,216	48,001	54,069
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	149	161	163	162	164	163	164	164	164
RW	Lumens	6,137	12,268	18,406	24,587	30,989	37,201	43,628	49,606	55,877
	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	154	166	169	167	170	169	170	169	170
AFL	Lumens	6,061	12,117	18,179	24,283	30,606	36,742	43,089	48,993	55,187
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	168	167	168	167	167

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	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	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T2R	Lumens	8,073	16,139	24,214	32,344	40,766	48,938	57,393	65,257	73,507
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	163	164	163	163
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T3R	Lumens	8,137	16,267	24,405	32,599	41,088	49,325	57,846	65,773	74,087
	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	150	161	164	162	165	164	165	165	165
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	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	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
T4W	Lumens	7,910	15,814	23,726	31,693	39,946	47,953	56,238	63,944	72,027
	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	145	157	159	158	160	159	160	160	160
SL2	Lumens	7,878	15,749	23,629	31,562	39,781	47,756	56,006	63,681	71,731
	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	145	156	158	157	159	159	160	159	159
SL3	Lumens	7,746	15,486	23,234	31,035	39,117	46,958	55,070	62,616	70,532
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	153	156	155	157	156	157	157	157
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5NQ	Lumens	8,305	16,604	24,911	33,275	41,940	50,348	59,046	67,137	75,624
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	153	165	167	166	168	167	168	168	168
5MQ	Lumens	8,300	16,594	24,896	33,255	41,915	50,318	59,010	67,097	75,578
	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	153	164	167	166	168	167	168	168	168
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	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	147	159	161	160	162	162	163	162	162
SLL/SLR	Lumens	7,897	15,788	23,687	31,641	39,880	47,875	56,146	63,839	71,909
	BUG Rating	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	145	156	159	158	160	159	160	160	160
RW	Lumens	8,162	16,317	24,480	32,699	41,215	49,476	58,024	65,975	74,315
	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	150	162	164	163	165	164	166	165	165
AFL	Lumens	8,061	16,115	24,177	32,295	40,705	48,865	57,307	65,160	73,397
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	148	160	162	161	163	162	164	163	163

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	80	148	218	294	365	440	513	585	658	
Input Current @ 120V	0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519	
Input Current @ 208V	0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135	
Input Current @ 240V	0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740	
Input Current @ 277V	0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439	
Input Current @ 347V	0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920	
Input Current @ 480V	0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437	
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T2R	Lumens	10,969	21,929	32,901	43,948	55,392	66,496	77,984	88,670	99,879
	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	B5-U0-G5
	Lumens per Watt	138	149	151	150	152	151	152	152	152
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T3R	Lumens	11,056	22,103	33,161	44,295	55,830	67,022	78,600	89,371	100,668
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	139	150	152	151	153	152	153	153	153
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
T4W	Lumens	10,748	21,488	32,239	43,063	54,277	65,158	76,414	86,885	97,869
	BUG Rating	B2-U0-G2	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
SL2	Lumens	10,704	21,400	32,106	42,886	54,054	64,890	76,100	86,528	97,467
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
SL3	Lumens	10,525	21,042	31,570	42,169	53,151	63,805	74,828	85,082	95,837
	BUG Rating	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	132	143	145	144	146	145	146	145	146
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5NQ	Lumens	11,285	22,561	33,849	45,214	56,988	68,412	80,230	91,224	102,756
	BUG Rating	B3-U0-G1	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	142	153	155	154	156	155	156	156	156
5MQ	Lumens	11,278	22,547	33,828	45,187	56,954	68,371	80,182	91,169	102,694
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	142	153	155	154	156	155	156	156	156
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151
SL/SLR	Lumens	10,731	21,453	32,186	42,993	54,189	65,051	76,290	86,743	97,709
	BUG Rating	B2-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	145	148	146	149	148	149	148	148
RW	Lumens	11,090	22,171	33,263	44,431	56,001	67,228	78,842	89,645	100,978
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	139	150	153	151	153	153	154	153	153
AFL	Lumens	10,953	21,897	32,852	43,882	55,309	66,397	77,868	88,538	99,730
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	138	148	151	149	152	151	152	151	152

Backlight Control Optics, Output Level 1, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		29	56	82	108	136	162	193	218	245
Input Current @ 120V		0.247	0.469	0.680	0.939	1.150	1.361	1.619	1.829	2.041
Input Current @ 208V		0.144	0.273	0.396	0.546	0.669	0.792	0.942	1.070	1.188
Input Current @ 240V		0.126	0.240	0.348	0.480	0.588	0.696	0.828	0.944	1.045
Input Current @ 277V		0.111	0.212	0.310	0.424	0.522	0.620	0.734	0.844	0.929
Input Current @ 347V		0.087	0.160	0.240	0.319	0.400	0.481	0.559	0.650	0.721
Input Current @ 480V		0.066	0.118	0.177	0.237	0.295	0.354	0.414	0.483	0.532
Optics		SA1A	SA2A	SA3A	SA4A	SA5A	SA6A	SA7A	SA8A	SA9A
T2BC	Lumens	3,639	7,299	10,947	14,537	17,743	21,263	24,840	28,510	32,106
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4
	Lumens per Watt	125	131	134	135	130	131	129	131	131
T3BC	Lumens	3,824	7,670	11,504	15,276	18,645	22,344	26,103	29,960	33,739
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5
	Lumens per Watt	132	137	141	142	136	137	135	138	138
T4BC	Lumens	3,698	7,417	11,125	14,772	18,030	21,607	25,242	28,972	32,626
	BUG Rating	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	128	133	137	138	132	133	131	133	133
RBC	Lumens	3,327	6,673	10,008	13,290	16,221	19,439	22,709	26,065	29,352
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4
	Lumens per Watt	115	120	123	124	119	119	118	120	120
LBC	Lumens	3,327	6,673	10,008	13,290	16,221	19,439	22,709	26,064	29,352
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4
	Lumens per Watt	115	120	123	124	119	119	118	120	120

Backlight Control Optics, Output Level 2, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		39	73	106	144	179	213	249	283	314
Input Current @ 120V		0.320	0.610	0.890	1.220	1.500	1.781	2.110	2.385	2.671
Input Current @ 208V		0.185	0.352	0.513	0.704	0.865	1.027	1.217	1.380	1.540
Input Current @ 240V		0.161	0.307	0.449	0.615	0.756	0.898	1.064	1.210	1.347
Input Current @ 277V		0.141	0.270	0.395	0.539	0.665	0.790	0.934	1.069	1.185
Input Current @ 347V		0.111	0.207	0.314	0.414	0.522	0.629	0.729	0.847	0.943
Input Current @ 480V		0.083	0.152	0.229	0.303	0.380	0.457	0.532	0.620	0.686
Optics		SA1B	SA2B	SA3B	SA4B	SA5B	SA6B	SA7B	SA8B	SA9B
T2BC	Lumens	4,549	9,135	14,026	17,976	22,214	26,621	31,146	35,647	39,532
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5
	Lumens per Watt	118	125	132	125	124	125	125	126	126
T3BC	Lumens	4,780	9,599	14,739	18,890	23,344	27,975	32,730	37,460	41,542
	BUG Rating	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	124	132	139	131	131	131	131	132	133
T4BC	Lumens	4,622	9,282	14,253	18,267	22,574	27,052	31,650	36,224	40,172
	BUG Rating	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	119	128	134	127	126	127	127	128	128
RBC	Lumens	4,159	8,351	12,823	16,434	20,309	24,338	28,475	32,590	36,141
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4	B0-U0-G5
	Lumens per Watt	107	115	121	114	114	114	114	115	116
LBC	Lumens	4,158	8,351	12,822	16,434	20,308	24,337	28,474	32,589	36,140
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4	B0-U0-G5
	Lumens per Watt	107	115	121	114	114	114	114	115	116

Backlight Control Optics, Output Level 3, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		50	96	140	190	236	283	330	377	417
Input Current @ 120V		0.427	0.803	1.176	1.606	1.979	2.352	2.782	3.155	3.528
Input Current @ 208V		0.248	0.465	0.672	0.929	1.136	1.343	1.601	1.808	2.015
Input Current @ 240V		0.218	0.407	0.586	0.814	0.993	1.171	1.399	1.578	1.757
Input Current @ 277V		0.192	0.359	0.512	0.718	0.872	1.025	1.231	1.384	1.537
Input Current @ 347V		0.144	0.286	0.418	0.573	0.704	0.836	0.991	1.122	1.253
Input Current @ 480V		0.108	0.209	0.301	0.418	0.510	0.602	0.719	0.811	0.903
Optics		SA1C	SA2C	SA3C	SA4C	SA5C	SA6C	SA7C	SA8C	SA9C
T2BC	Lumens	5,676	11,326	16,920	22,428	27,616	33,094	38,563	43,758	49,195
	BUG Rating	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	113	118	121	118	117	117	117	116	118
T3BC	Lumens	5,965	11,902	17,780	23,568	29,020	34,777	40,524	45,983	51,697
	BUG Rating	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	119	124	127	124	123	123	123	121	124
T4BC	Lumens	5,768	11,509	17,194	22,791	28,063	33,630	39,187	44,466	49,992
	BUG Rating	B0-U0-G2	B0-U0-G3	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	115	120	122	120	119	119	119	117	120
RBC	Lumens	5,189	10,355	15,468	20,504	25,247	30,255	35,255	40,004	44,976
	BUG Rating	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	103	108	110	108	107	107	107	106	108
LBC	Lumens	5,189	10,354	15,468	20,503	25,246	30,255	35,255	40,004	44,975
	BUG Rating	B0-U0-G2	B0-U0-G2	B0-U0-G3	B0-U0-G3	B0-U0-G4	B0-U0-G4	B0-U0-G5	B0-U0-G5	B0-U0-G5
	Lumens per Watt	103	108	110	108	107	107	107	106	108

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. Both sensors are factory preset to dim down to approximately 10% 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 bezel color automatically selected based on luminaire finish

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

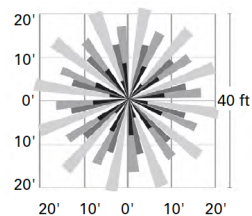
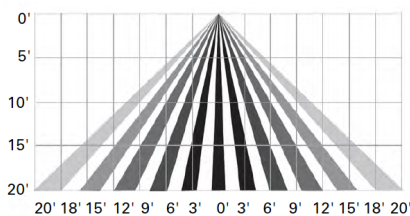
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

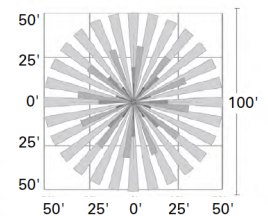
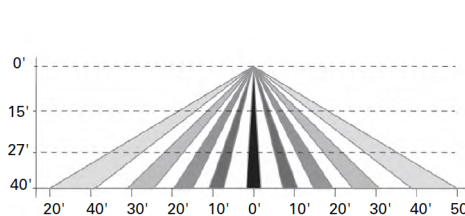
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting. 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 (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting. 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 astronomical 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' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (DIM10)

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



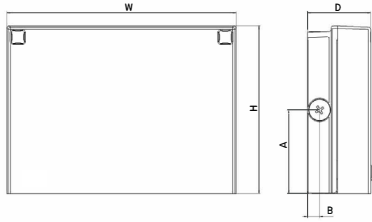
WPX LED Wall Packs



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²	DWHXD White
WPX2 LED	50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	DBLXD Black
WPX3 LED			PE Photocell ³	Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V or PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards. The WPX is intended for installation on flat wall surfaces. Other applications may void warranty.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. 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. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

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.



Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

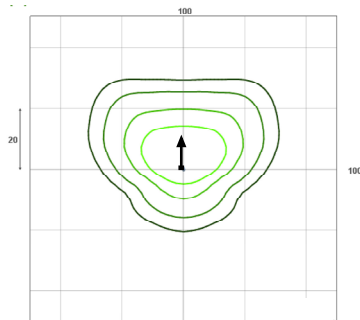
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

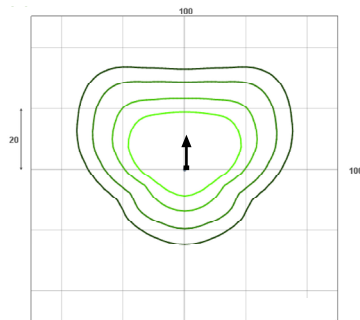
LEGEND

	0.1 fc
	0.2 fc
	0.5 fc
	1.0 fc

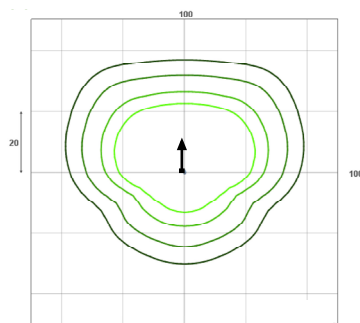
WPX1 LED P1



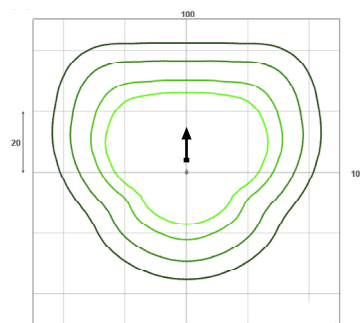
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.