

GVC TOWN CENTER: B BLOCK

CONTEXT MAP



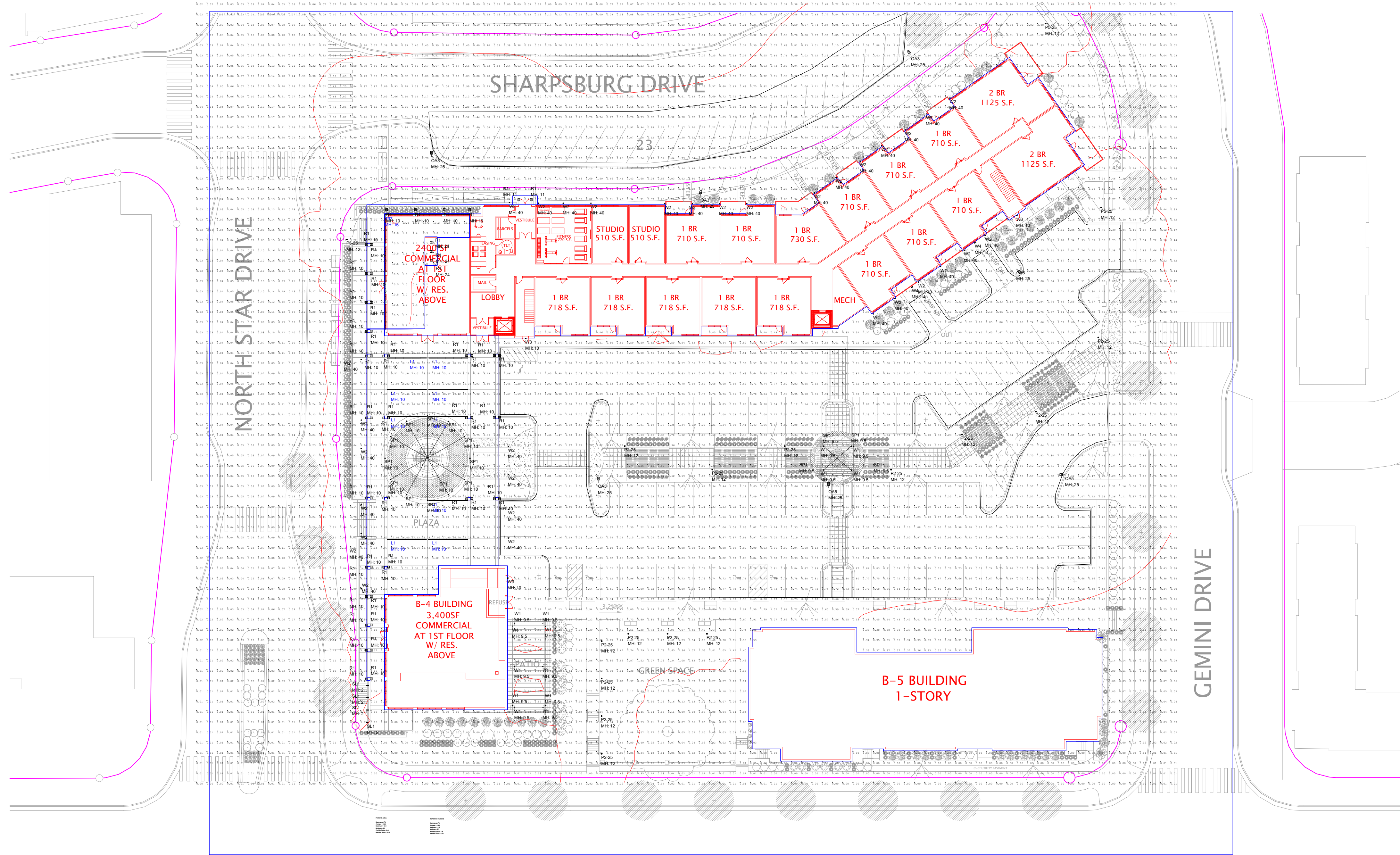
Madison
Wisconsin

5) Village Green



6) Gemini Commercial Buildings





Qty	Label	Arrangement	ULF	MFR	Description	Lum. Watts	Total Watts	Lum. Lumens
2	SL1	GROUP	0.90	MARK ARCHITECTURAL	SL2L 18FT FLP BCORH wX 200LMF	N.A.	618.75	N.A.
3	GA3	SINGLE	0.90	LITHONIA	REX1 LED P2 wX R3	72.95	218.85	9643
4	GA5	SINGLE	0.90	LITHONIA	REX1 LED P4 wX R3 (DSFT MH)	133.14	532.56	16793
14	P2-25	SINGLE	0.90	LUMENS	LOG41-L133-R2 LQ989	24.5	343	3971
2	P2-25	SINGLE	0.90	LUMENS	LOG41-L133-R2 LQ989	1.62	29.1	353
53	R1	SINGLE	0.90	LITELINE	RAD2-FR-001VH-30	5.87	364.11	335
4	SL1	SINGLE	0.90	FLIGHTING	F05L203-120W-KR-ETL FIXTURE	15.697	62.788	344
16	SP1	SINGLE	0.90	DESIGNPLAN	1040P-wX-35	11	176	342
1	T3P	GROUP	0.90	REBORNLYTE	4W WET LOCATION TAPE LIGHT RPT	N.A.	394.939	N.A.
14	W1	SINGLE	0.90	GOFFMAN	IC009C-W05-R0-LED 200P	1.58	79.4	502
32	W2	SINGLE	0.90	GOFFMAN	IC009C-W05-R0-LED 150	21.43	486.4	1762
3	W3	SINGLE	0.90	LITHONIA	W002 LED P1 wX BCORH VF	10.002	30.006	1161
2	W4	SINGLE	0.90	LITHONIA	W002 LED P4 wX BCORH VF	34.96	69.92	424

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LOFT	Humans	Fc	5.34	20.7	0.2	26.70	103.50
SITE	Humans	Fc	1.62	26.70	0.60	N.A.	N.A.
PARKING AREA	Humans	Fc	1.43	12.9	0.5	2.86	25.80
ROADWAY PARKING	Humans	Fc	1.32	3.0	0.7	1.89	4.29



COMMENTS

DATE

#

REVISIONS

DRAWN BY : AD

DATE : JUNE 2, 2020

SCALE : 1" = 30'-0"

GRANDVIEW COMMONS
TOWN CENTER

MADISON, WISCONSIN

LIGHTING LAYOUT

Date: _____

Type: _____

Fixture: _____

Project: _____

Approved: _____

COVELINE WET



The **COVELINE WET** is a powerful and versatile interior / exterior cove luminaire. **COVELINE WET** comes in a 1 ft, 4 ft or 6 ft nominal lengths with 27K, 3K, 35K or 4K and static color temperatures of Red, Green, Blue and Amber. The housing is extruded aluminum with tooled end caps, IP66 rated for interior & exterior use. Features IP68 line voltage Plug N' Play connectors for exterior linear runs. Power supply is integral, no remote driver required. Universal orientation fixture; up, down, horizontal or vertical positioning. Flicker free dimmable to 3% full brightness with ELV trailing edge dimming.



SPECIFICATION

color temperature	2700K	3000K	4000K
lumen output	762 per foot	790 per foot	905 per foot (35K also)
beam spread	10° - 25° - 40° - 80° - 120° - 10° x 40° - 30° x 60° - 67° x 140° (ASYM) - 21°x 56° (ASYM)		
LEDs per foot	9		
color consistency	3 SDCM / 84CRI		
lifetime	> 70,000 hours / L70 or better		
input voltage	Universal 120-277V AC		
power consumption	9W		
dimensions [L x W x H]	12.25" x 1.77" x 1.9"	47" x 1.77" x 1.9"	70.25" x 1.77" x 1.9"
weight	1.3 lbs. per foot		
housing	extruded aluminum housing with tooled end caps		
lens	etched polycarbonate		
mounting	surface mounting with (+/- 15°), Adjustable Bracket (ADB2 +/-90° Bi-directional)		
operating temperature	-20°C to 40°C		
junction temperature	73°C @ T ^a 25°C		
interface	dimmable to 3% full brightness (ELV) electronic low-voltage trailing edge, synchronized w/ soft shut-off		
power supply	integral Class II, electronic high-power factor 94%		
certification	ETL / cETL or CE		
environment	IP66 wet, exterior location (Connectors IP68)		
warranty	5 year limited warranty (refer to website for details)		

PART NUMBERS

CVLWET		UNV									
MODEL	LENGTH	VOLTAGE	CCT	OPTICS	OPTIONS						
CVLWET COVELINE WET	1	305 mm [12 in]	UNV 120-277V	27K	2700K	10	10°x10° beam	120	120°x120° beam (standard)	WC1L-1	1' Louver (Black)
	4	1189 mm [46.8 in]		3K	3000K	25	25°x 25° beam	1040	10° x 40° beam	WC1L-4	4' Louver (Black)
	6	1778 mm [70 in]		35K	3500K	40	40°x 40° beam	3060	30° x 60° beam	WC1L-6	6' Louver House Shield (Blk)
				4K	4000K	80	80°x 80° beam	67140	67° x 140° Asymmetric	WC1HS-1	1' Louver House Shield (Blk)
				RED	Red **	Asym	21°x 56° Asymmetric	WC1HS-4	4' Louver House Shield (Blk)		
				GRN	Green **	WC1HS-6	6' Louver House Shield (Blk)				
				BLU	Blue **						
AMB	Amber **										

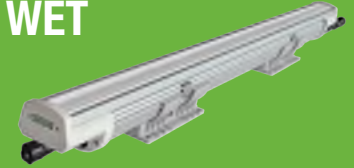
** Consult Factory (minimum order quantity)

Accessories (Indicate the quantity needed for each item.) REQUIRED: Starter Cable (SC10W) and Terminator Cap (TCAPW) for every run. Maximum Run Length = 60 feet

_____ SC10W 10 ft. Starter Connection Cord	_____ EC12W 12 in. Extension Cord	_____ BEA6G2 6" Bracket Extension Arm	_____ LS-6 6" Landscape Spike
_____ TCAPW Terminator Cap	_____ EC24W 24 in. Extension Cord	_____ BEA12G2 12" Bracket Extension Arm	
_____ ADBW2 45° (+/-) Adjustable Bracket	_____ EC60W 60 in. Extension Cord	_____ BEA18G2 18" Bracket Extension Arm	
_____ ADBW2-90 90° (+/-) Adjustable Bracket			

Due to continuous development and improvements, specifications are subject to change without notice. Solid State Luminaires reserves the right to change lab test details or specifications without notice. Product use certifies agreement to Solid State Luminaires terms and conditions.

COVELINE WET

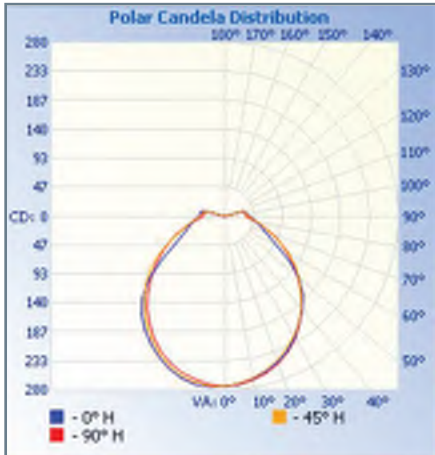


Photometry

CVLWET-1-120-4K-905-120°

Zonal Lumen Summary

Illuminance at a Distance

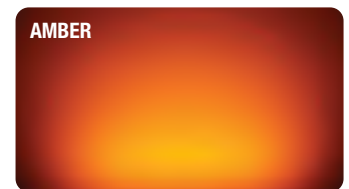
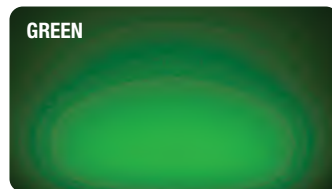


Zone	Lumens	% Luminaire
0-30	211.3	24%
0-40	344.9	39.1%
0-60	604.4	68.5%
60-90	209.8	23.8%
70-100	157.4	17.9%
90-120	67.6	7.7%
0-90	814.2	92.3%
90-180	67.6	7.7%
0-180	881.8	100%

Efficiency Total: 99%



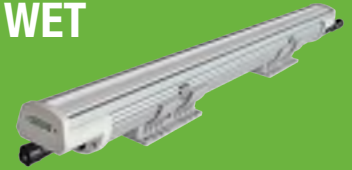
COLORS



PERFORMANCE

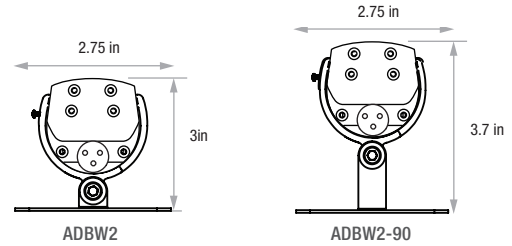
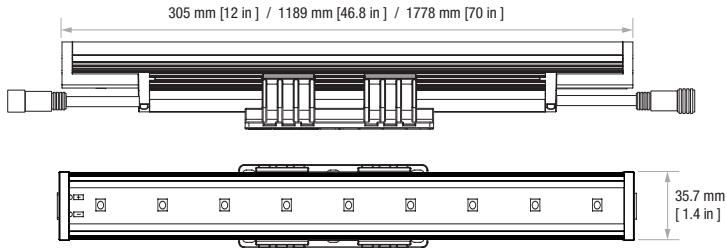
Model	Connected Wattage	Delivered Lumens				
		2700K	3000K	4000K	Blue	Amber
CVLWET-1	9W	762	790	905	360	525
CVLWET-4	36W	3048	3160	3620	1440	2100
CVLWET-6	54W	4572	4740	5430	2106	3150

Due to continuous development and improvements, specifications are subject to change without notice. Solid State Luminaires reserves the right to change lab test details or specifications without notice. Product use certifies agreement to Solid State Luminaires terms and conditions.

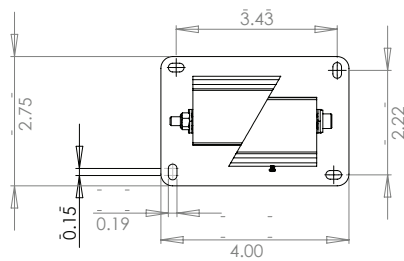


Dimensions

Available in 3 lengths

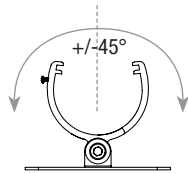


ADJUSTABLE BRACKET (ADBW2)

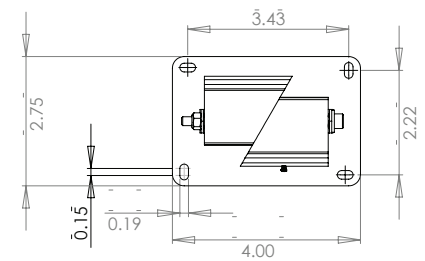


Universal Orientation

- Mounts to horizontal or vertical surfaces
- Easy installation w/fixture in position
- +/-45° to surface

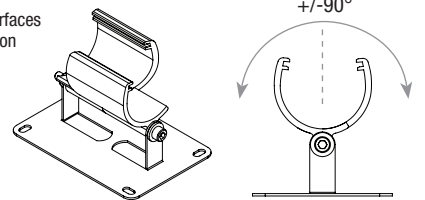


90° ADJUSTABLE BRACKET (ADBW2-90)

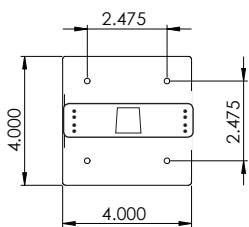


Universal Orientation

- Mounts to horizontal or vertical surfaces
- Easy installation w/fixture in position
- +/-90° to surface

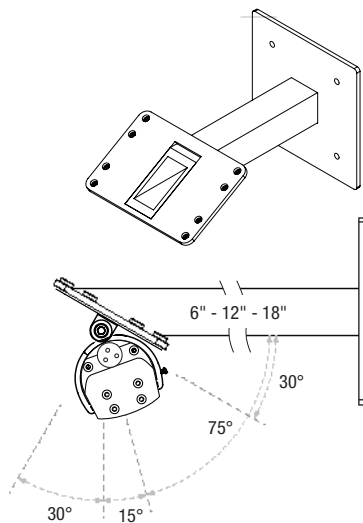


BRACKET EXTENSION ARM (BEAxxG2)



Extends From Mounting Surface

- Available in 6", 12" or 18" lengths
- BEA comes with ADBW2 bracket
- Comes standard in FC Silver



Fixture Size Bracket Requirements

Model - Length	Number of Brackets Required
ECVLXWET - 1	1
ECVLXWET - 4	2
ECVLXWET - 6	3

Due to continuous development and improvements, specifications are subject to change without notice. Solid State Luminares reserves the right to change lab test details or specifications without notice. Product use certifies agreement to Solid State Luminares terms and conditions.

Plexineon White 1X Series

PRODUCT SUMMARY



PRODUCT FEATURES

- Four Kelvin temperatures
- Energy efficient
- Long lifetime
- Stable and consistent color temperature
- Low voltage
- Easy to install
- Cool to the touch
- For use as exterior or interior accent lighting, direct view or indirect view applications, coves

Color Temperatures (+/- 10%)

- 2800K
- 3500K
- 4500K
- 6500K

Diffuser Color (when not illuminated)

- Light amber hue

Lengths Available

- Standard Lengths: 2', 4', 6', 8'
(610mm, 1219mm, 1830mm, 2438mm)
- Factory custom lengths available to the nearest 1/2" (13mm) +/- 0.25" (6mm)¹
- 2' (610mm) field cuttable pieces
- Illuminated outside corner pieces
- Factory convex or concave bends to minimum inside radius of 5" (127mm)
- Factory "easy bends" to a 3/16" (5mm) radius¹
- Gentle field bends to a 48" (1219mm) radius²

¹. Drawing required for production

². Field bending allowed only on fixture without C-channel

Power Supply

- Class 2, 24 VDC, 100 Watts - must be supplied by iLight
- Primary voltage: 120 or 120-277 depending on model
- Secondary voltage: 24VDC 4.1 A Max
- Maximum illumination length of a single 100W power supply 32 feet (9.75m)

Power Supply Tips

- 20% maximum overage for breaker for primary current draw
- Do not plug multiple power supplies into one run of Plexineon
- All iLight power supplies should be on an independent circuit
- Recommend surge protection upstream from power supply
- Verify correct voltage prior to wiring to non-switching power supplies

Low Voltage Cable

Maximum distance of low voltage cable in any given run:

- 14 AWG: 40 feet (12.19m)
- 12 AWG: 60 feet (18.29m)
- 10 AWG: 100 feet (30.48m)

ORDERING INFORMATION

CLASS	VOLTAGE	COLOR	HOUSING	LENGTH	CHANNEL	VERSION
T	24		S			
T = Trim	24 = 24v	White W28 = 1X 2800K W35 = 1X 3500K W45 = 1X 4500K W65 = 1X 6500K	S = Silver	2F = 2 Feet 4F = 4 Feet 6F = 6 Feet 8F = 8 Feet CL = Custom Length PC = Outside Corner RT = Corner Cuttable TT = Cuttable BE = Bend-Easy BN = Bend-Convex BV = Bend-Concave	NC = No Channel SC = Stainless Steel Channel	00 = With Connectors 01 = Without Connectors

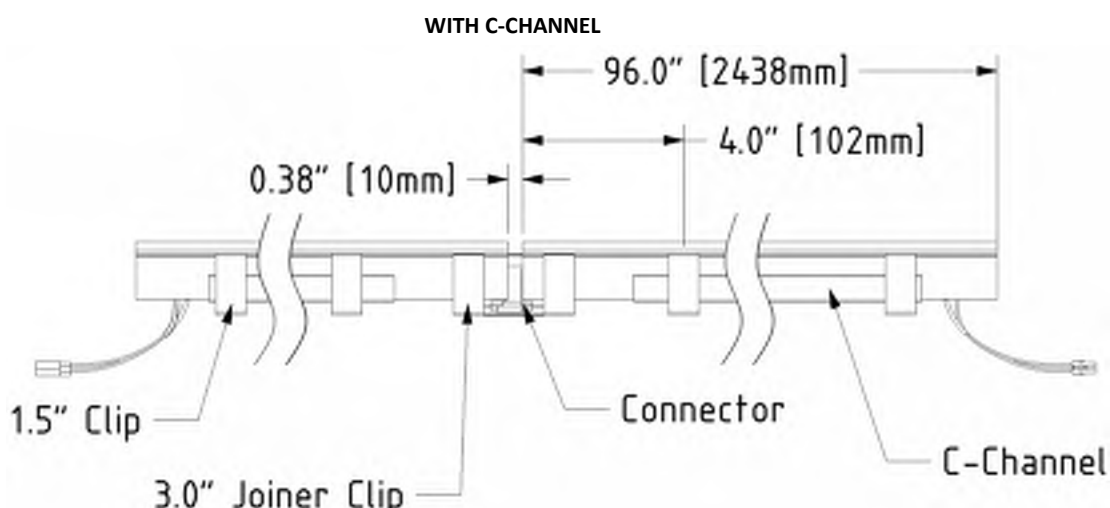
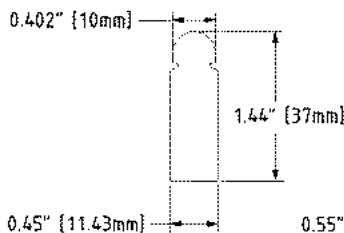
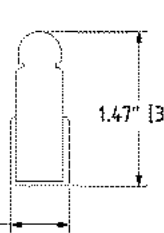
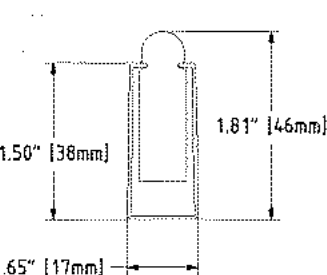
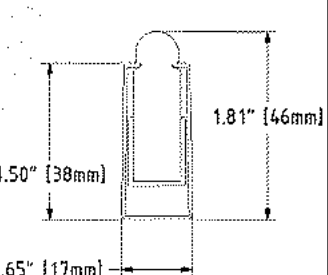
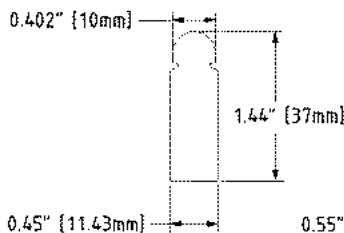
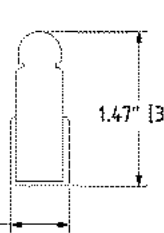
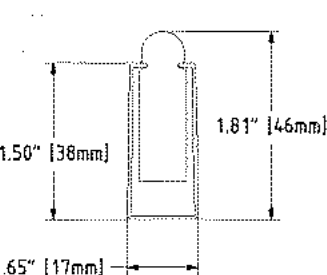
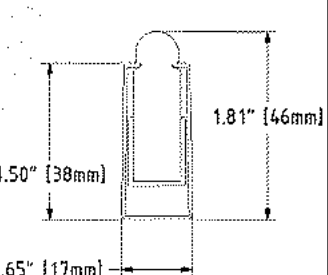
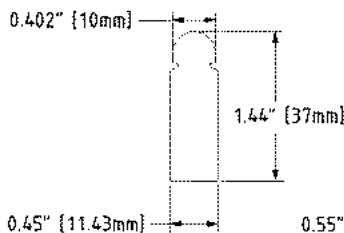
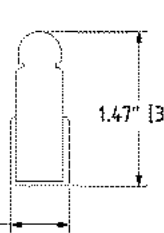
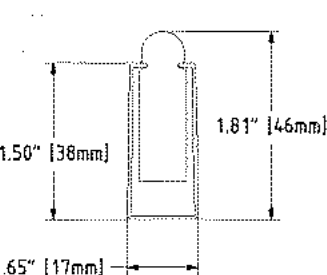
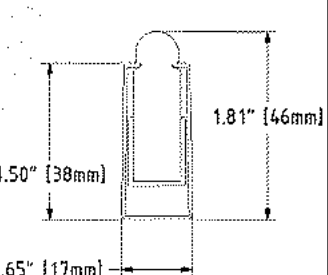
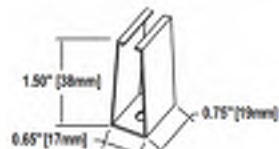
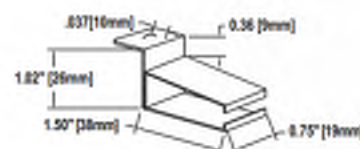
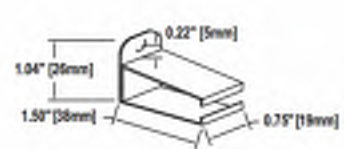
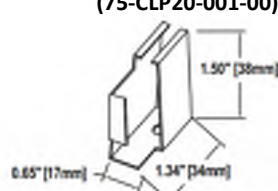
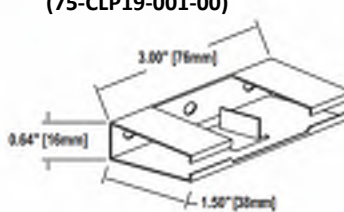
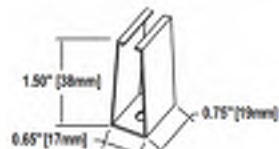
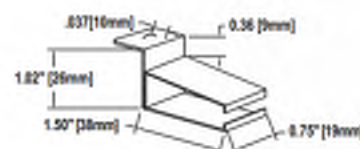
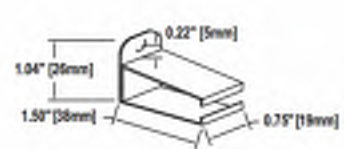
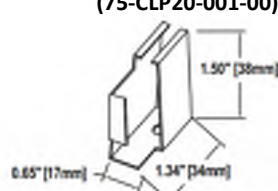
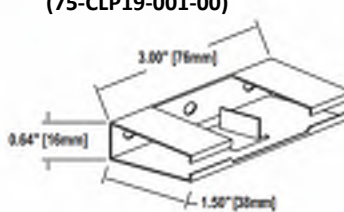
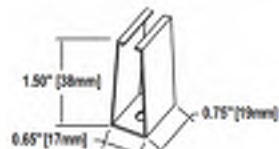
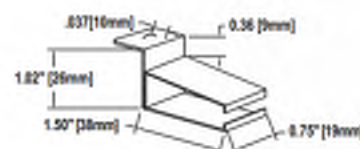
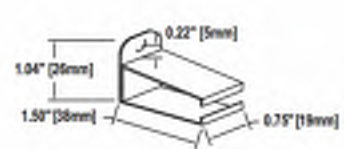
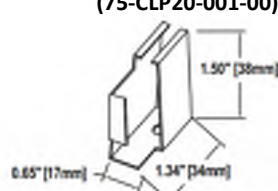
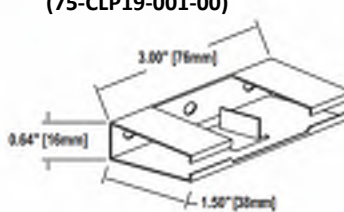
Specification sheets are subject to change without notice. For the most recent version, please refer to www.ilight-tech.com

Plexineon White 1X Series

TECHNICAL INFORMATION

MECHANICAL	<p>Width & Height Housing</p> <ul style="list-style-type: none"> • 0.55" (14mm)w x 1.47"(37mm)h with C-channel • UV and impact resistant acrylic diffuser • UV resistant plastic channel • Stainless steel C-channel for mechanical support <p>Minimum Piece Spacing</p> <ul style="list-style-type: none"> • Linear (end to end) = 3/8" (10mm) • Parallel (edge to edge) = 1" (25mm) <p>* The minimum space for ventilation surrounding the Plexineon product is 1.0". This distance should be maintained on the three sides, left and right of the product as well as in front of the product. Other configurations subject to specific application testing.</p>	<p>Mounting</p> <ul style="list-style-type: none"> • Stainless steel spring mounted clips • Clips to be 2" (51mm) in from end of piece and no more than 2' (610mm) maximum between clips <p>Power Supply Weight</p> <ul style="list-style-type: none"> • Electronic (Advance) Power Supply is 2 lbs. (0.9 kg) • Outdoor Magnetic Hybrid (Justin) Power Supply is 9 lbs. (4 kg) • Magtech Power Supply is 2 lbs. (0.9 kg) <p>Power Supply Dimensions</p> <ul style="list-style-type: none"> • Electronic (Advance) = 9.50" x 1.18" x 1.70" (242mm x 30mm x 43mm) • Outdoor Magnetic Hybrid (Justin) = 11.25" x 3.25" x 3.36" (286mm x 83mm x 85mm) • Magtech = 12.34" x 1.46" x 2.41" (313mm x 37mm x 61mm)
ELECTRICAL	<p>Load Voltage 24 V DC</p> <p>Load Current 82 mA/foot at 24VDC (270 mA/meter) 1.97 watts/foot (6.46 watts/meter)</p> <p>Maximum Run Length 32 feet (9.75m) with an iLight approved power supply</p> <p>Light Output</p> <ul style="list-style-type: none"> • 2800K — 64 lumens/ft • 3500K — 52 lumens/ft • 4500K — 59 lumens/ft • 6500K — 51 lumens/ft 	<p>DC Cable</p> <ul style="list-style-type: none"> • 14 AWG, PVC/Nylon Type TC 600 Volt power and control cable or equivalent • FT-4 fire rating • Class 2 wiring system • Connectors: Molex Splashproof—JIS D0203 S2 <p>Electrical Tips</p> <ul style="list-style-type: none"> • Only use iLight approved power supplies • Do not cut non-cuttable pieces
ENVIRONMENTAL	<p>Operating Temperature Range -25°C to 50°C (-13°F to 122°F)</p> <p>Storage Temperature Range -25°C to 75°C (-13°F to 167°F)</p>	<p>Certification</p> <ul style="list-style-type: none"> • Complies with CE, UL 1598 and CSA c22.2 No. 250 in Luminaire, Wet Location, IP68 (when ordered with IP68 connectors, IP67 otherwise), IK10. Plexineon is MetLabs listed. MetLabs is a Nationally recognized Testing Laboratory (NRTL). • Power Supplies are RU listed. RU stands for Recognized Components by Underwriters Laboratory.

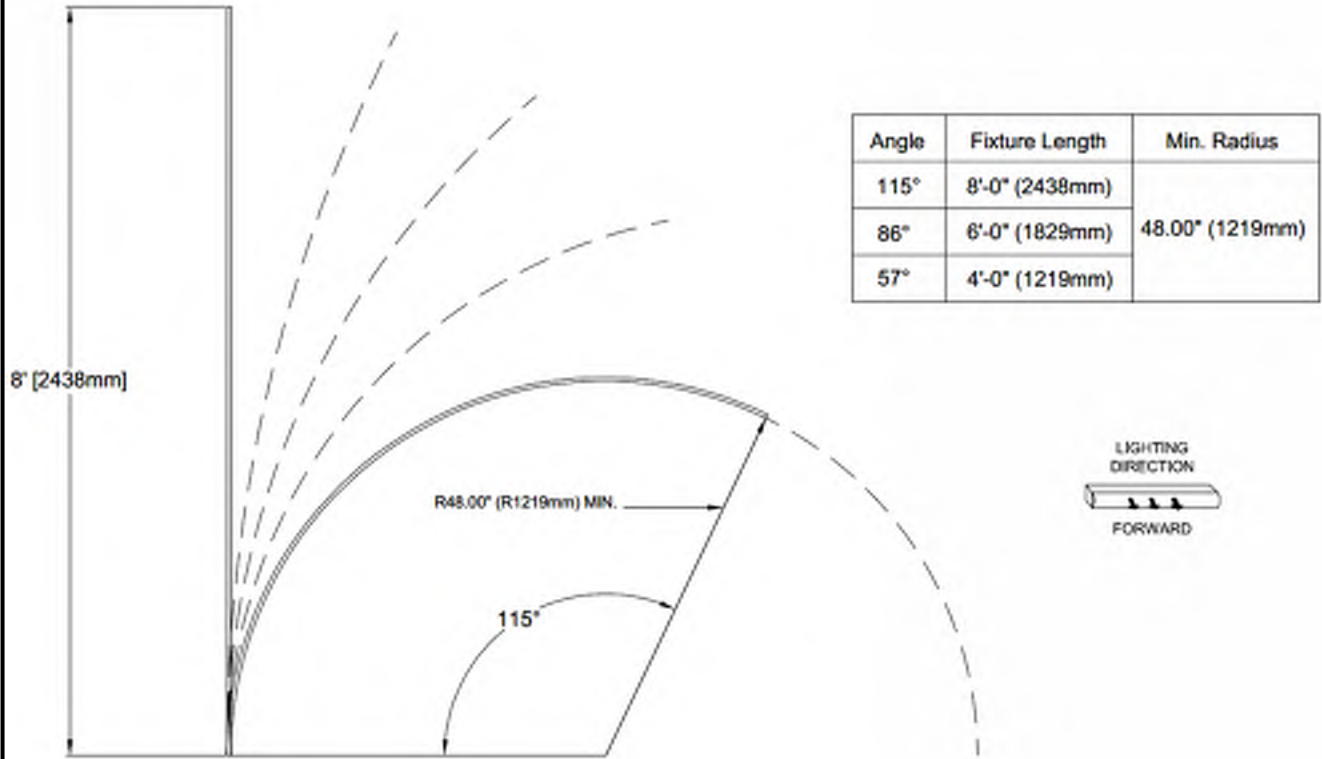
Plexineon White 1X Series

TECHNICAL INFORMATION									
PLEXINEON PROFILE	<p style="text-align: center;">WITH C-CHANNEL</p> 								
PLEXINEON CROSS SECTIONS	<table border="0" style="width: 100%; text-align: center;"> <tr> <td>Gen-3.9 WITHOUT C-CHANNEL</td> <td>Gen-3.9 WITH C-CHANNEL</td> <td>Gen-3.9 WITHOUT C-CHANNEL IN CLIP</td> <td>Gen-3.9 WITH C-CHANNEL IN CLIP</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Gen-3.9 WITHOUT C-CHANNEL	Gen-3.9 WITH C-CHANNEL	Gen-3.9 WITHOUT C-CHANNEL IN CLIP	Gen-3.9 WITH C-CHANNEL IN CLIP				
Gen-3.9 WITHOUT C-CHANNEL	Gen-3.9 WITH C-CHANNEL	Gen-3.9 WITHOUT C-CHANNEL IN CLIP	Gen-3.9 WITH C-CHANNEL IN CLIP						
									
MOUNTING CLIPS	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">  <p>1.50" Standard Clip (75-CLP16-001-00)</p> </td> <td style="text-align: center;">  <p>L Tab Specialty Clip (75-CLP15-001-00)</p> </td> <td style="text-align: center;">  <p>Straight Tab Specialty Clip (75-CLP17-001-00)</p> </td> </tr> <tr> <td style="text-align: center;">  <p>1.50" Vertical End Clip (75-CLP20-001-00)</p> </td> <td style="text-align: center;">  <p>3" Joiner Clip¹ (75-CLP19-001-00)</p> </td> <td style="vertical-align: top;"> <p>*Mounting hole 3/16"</p> <p>1— used for both horizontal & vertical applications</p> </td> </tr> </table>	 <p>1.50" Standard Clip (75-CLP16-001-00)</p>	 <p>L Tab Specialty Clip (75-CLP15-001-00)</p>	 <p>Straight Tab Specialty Clip (75-CLP17-001-00)</p>	 <p>1.50" Vertical End Clip (75-CLP20-001-00)</p>	 <p>3" Joiner Clip¹ (75-CLP19-001-00)</p>	<p>*Mounting hole 3/16"</p> <p>1— used for both horizontal & vertical applications</p>		
 <p>1.50" Standard Clip (75-CLP16-001-00)</p>	 <p>L Tab Specialty Clip (75-CLP15-001-00)</p>	 <p>Straight Tab Specialty Clip (75-CLP17-001-00)</p>							
 <p>1.50" Vertical End Clip (75-CLP20-001-00)</p>	 <p>3" Joiner Clip¹ (75-CLP19-001-00)</p>	<p>*Mounting hole 3/16"</p> <p>1— used for both horizontal & vertical applications</p>							

Plexineon White 1X Series

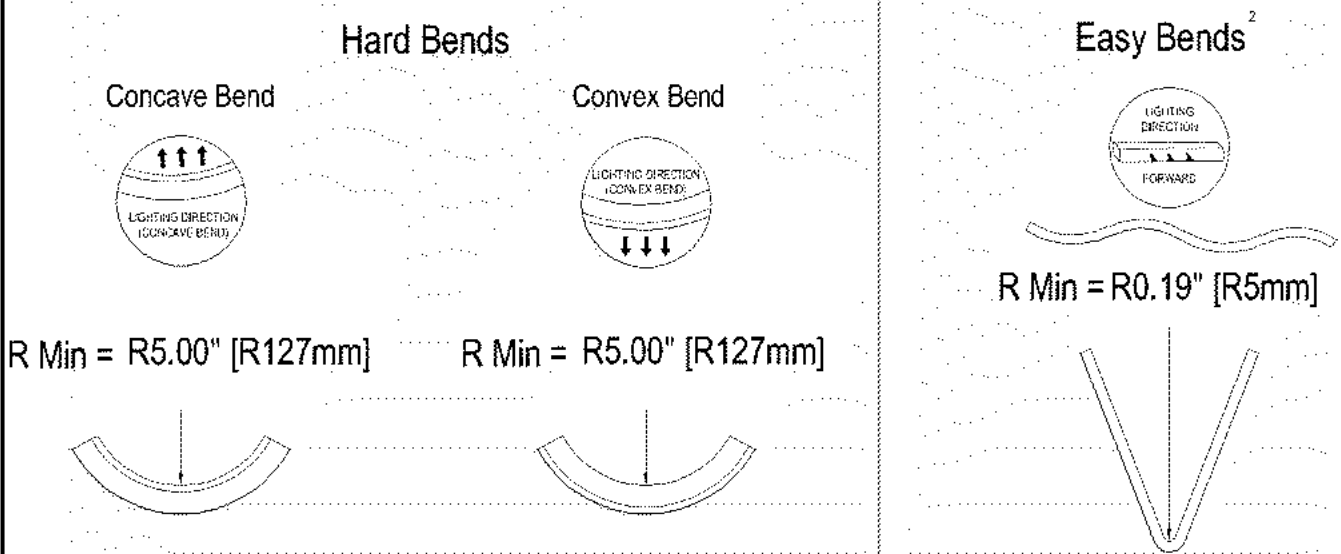
TECHNICAL INFORMATION

PLEXINEON FIELD BENDING¹⁻³



Note 1: Field bending shown in easy direction. Cannot field bend into convex or concave bends
 Note 2: Easy direction refers to bend axis parallel to light direction.
 Note 3: Field bending allowed only on fixtures without C-channel

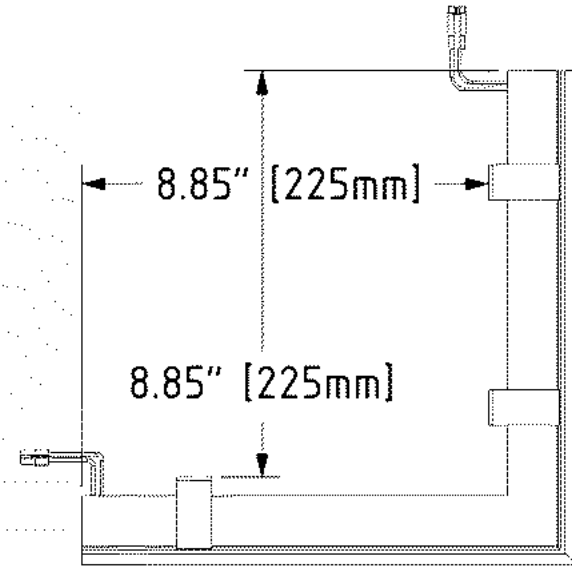
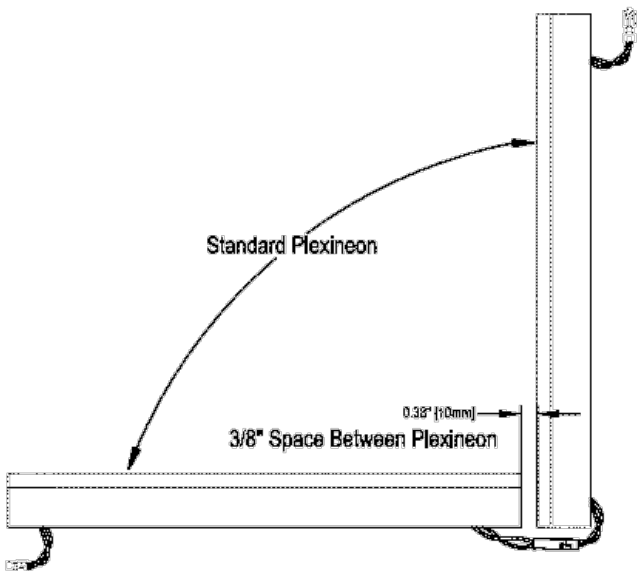
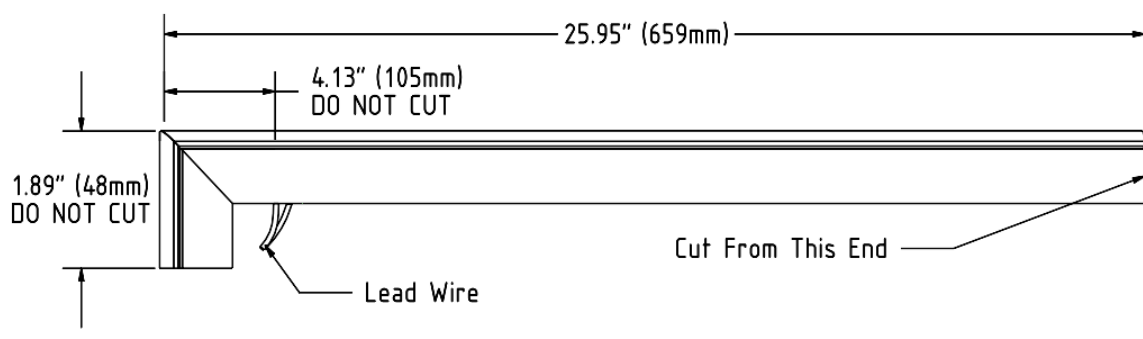
PLEXINEON FACTORY BENDING



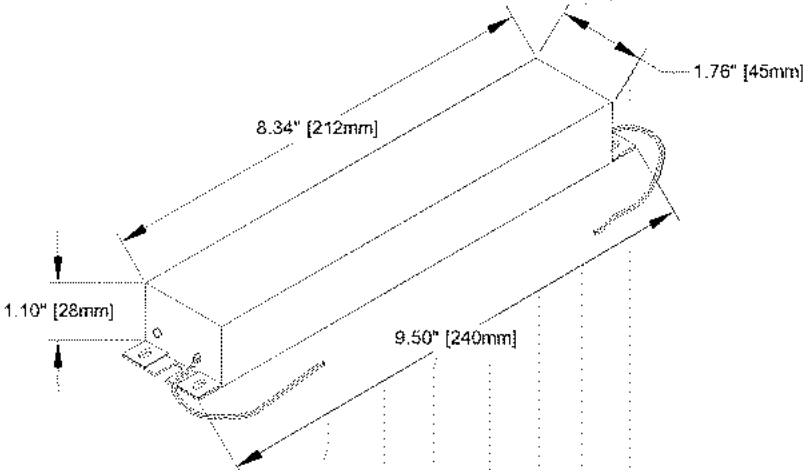

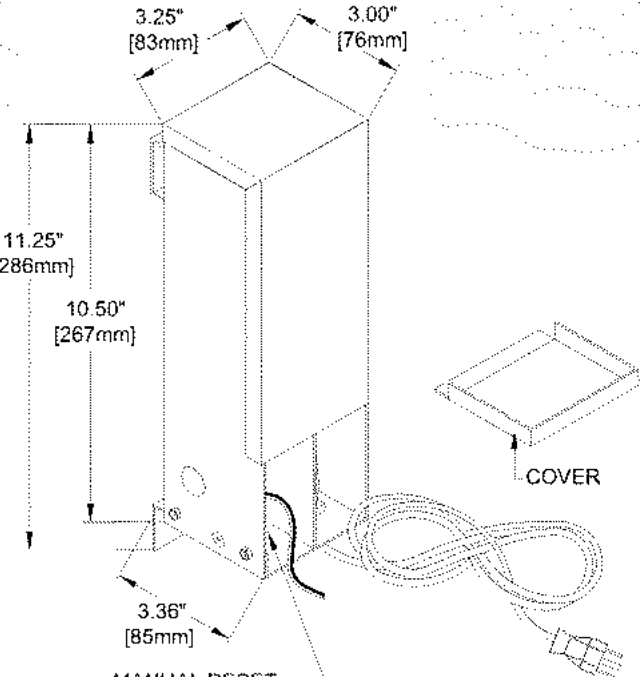

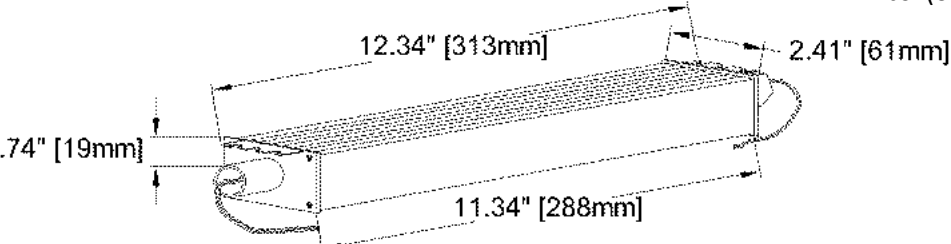

Note: The maximum length for any factory bent fixtures is 92 inches

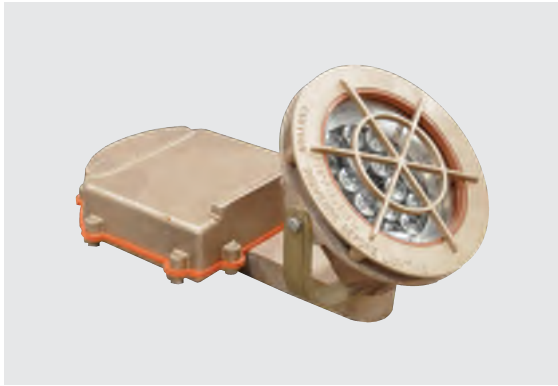
Plexineon White 1X Series

TECHNICAL INFORMATION

<p>OUTSIDE CORNER</p>	 <p>8.85" [225mm]</p> <p>8.85" [225mm]</p>
<p>INSIDE CORNER</p>	 <p>Standard Plexineon</p> <p>3/8" Space Between Plexineon</p> <p>0.38" [10mm]</p>
<p>CORNER CUTTABLE</p>	 <p>25.95" (659mm)</p> <p>4.13" (105mm) DO NOT CUT</p> <p>1.89" (48mm) DO NOT CUT</p> <p>Lead Wire</p> <p>Cut From This End</p>

Plexineon White 1X Series

TECHNICAL INFORMATION	
Plexineon Power Supplies	
<p>ELECTRONIC (ADVANCE) POWER SUPPLY</p>	 <p>65-ADV100W24V Input: 120-277VAC 50/60Hz Output: 24VDC 4A max RU listed for U.S. and Canada Additional Enclosure Required 2lbs. (0.9kg)</p> <p>DRY DAMP</p> 
<p>MAGNETIC HYBRID (JUSTIN) POWER SUPPLY IN 3R ENCLOSURE</p>	 <p>65-PWR09-001-00 Input: 120VAC 50/60Hz Output: 24VDC 4A max RU listed for U.S. Enclosed in NEMA 3R 9lbs. (4kg)</p> <p>DRY DAMP WET</p> 
<p>MAGTECH POWER SUPPLY</p>	 <p>65-24-96W-MAG Input: 100-277VAC 60Hz Output: 24VDC 4A max RU listed for U.S. 2lbs. (0.9kg)</p> <p>DRY DAMP WET</p> 



4426 SERIES

Base Mount 60W, 96W

White LED Fountain

HIGHLIGHTS

- Up to 10,985 lumens
- Temperature sensing low water cut-off standard
- Cast bronze construction including fixture housing, rock guard and base
- Integral yoke allows for fixture aiming
- CCTs: 30K, 41K, 53K, Blue, Green, Red & Phosphor converted Amber
- IDIM- In-Line dimming available

5
YEAR
warranty

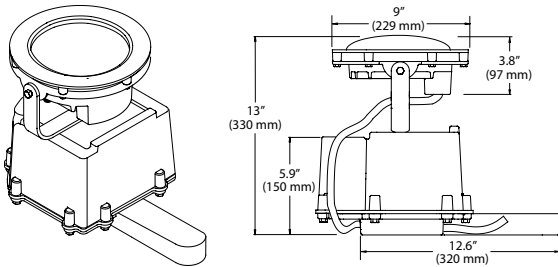


IP68

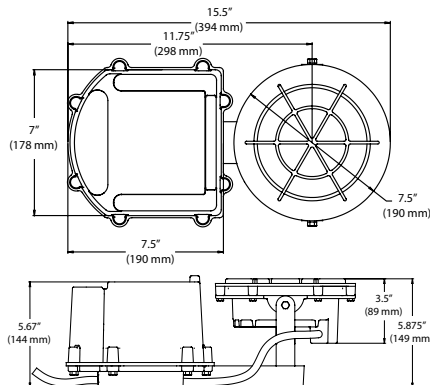
Specifications

Length:	15-1/2" 394 mm
Width:	7" 178 mm
Height:	5-7/8" 149 mm
Weight:	30lbs

DIMENSIONS



VBM - VERTICAL BASE MOUNT



BM - BASE MOUNT

Note: (2) 0.28 mounting holes on the bottom casting for fixture securement using 1/4-20 bolts (by others)

LUMEN PACKAGES

	NSP	MFL	FL	WFL	VWFL	HSP	HFL
Watts	96	96	96	96	96	96	96
Delivered Lumens	9265	10,750	7980	8715	7730	9345	10,985
LPW	97	112	83	91	81	97	114
Peak Candela	147,374	34,717	6,896	4,168	3,893	48,428	48,425

Note: Information based on 36LED WHT41K

ORDERING INFORMATION

EXAMPLE: 4426 B 18LED WHT53K 120 NSP FLC BM CSL50

Model	Material	Lamp type	LED Color	Voltage	Distribution
4426	B Bronze	18LED 60 Watts	WHT30K 3000K	120	NSP Narrow Spot
	SWB Saltwater Bronze	36LED 96 Watts	WHT41K 4100K		MFL Medium Flood
			WHT53K 5300K		FL Flood
			AMBPC Phosphor Converted Amber		WFL Wide Flood
			BLU Blue		VWFL Very Wide Flood (no optics)
			GRN Green		HSP Horizontal Spot
		RED Red	HFL Horizontal Flood		
Lens	Mounting	Options	Cord Set Length	Listing	
FLC Flat Lens Clear	BM Base Mount VBM Vertical Base Mount	IDIM¹ In-line Dimming (dims to 40%)	CSL__ 10'-120' of cord available in 5' increments	CSA Optional Canadian listing (for sale in Canada only)	

ELECTRICAL LOAD

Light Engines	Drive Current (mA)	System Watts	Current (A)
18LED	700mA	60W	0.50
36LED	700mA	96W	0.80

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 10,000 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	0	25,000	50,000	100,000
Lumen Maintenance Factor	18LED			
	1.00	0.99	0.98	0.96
	36LED			
	1.00	0.90	0.80	0.65

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		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Notes:

- ¹ IDIM for use with leading edge (TRIAC) or trailing edge (ELV) dimmers. IDIM option should be run at 120 volt.

PERFORMANCE DATA

LUMEN OUTPUT

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle (50%)		WHT30K (3000 CCT, 70CRI)			WHT41K (4100 CCT, 70CRI)			WHT53K (5300 CCT, 70CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
18LED	60W	NSP	23	23	11	11	44210	2780	46	73687	4630	77	73687	4630	77
		MFL	44	44	24	24	10416	3235	54	17358	5390	90	17358	5390	90
		FL	80	81	62	66	2068	2395	40	3448	3990	67	3448	3990	67
		WFL	126	125	101	94	1250	2615	44	2084	4360	73	2084	4360	73
		VWFL	137	132	95	88	1168	2320	39	1947	3865	64	1947	3865	64
		HSP	58	27	38	13	14529	2805	47	24214	4675	78	24214	4675	78
		HFL	62	31	41	16	14528	3295	55	24212	5495	92	24212	5495	92
36LED	96W	NSP	23	23	11	11	88425	5560	58	147374	9265	97	147374	9265	97
		MFL	44	44	24	24	20830	6470	67	34717	10780	112	34717	10780	112
		FL	80	81	62	66	4137	4790	50	6896	7980	83	6896	7980	83
		WFL	126	125	101	94	2501	5230	54	4168	8715	91	4168	8715	91
		VWFL	137	132	95	88	2336	4640	48	3893	7730	81	3893	7730	81
		HSP	58	27	38	13	29054	5610	58	48428	9345	97	48428	9345	97
		HFL	62	31	41	16	29055	6590	69	48425	10985	114	48425	10985	114

SPECIFICATIONS AND FEATURES

FIXTURE HOUSING, ROCK GUARD AND BASE: Heavy wall cast bronze construction. Natural bronze finish. Note: (2) 0.28 mounting holes on the bottom casting for fixture securement using 1/4-20 bolts (by others).

LED: 8LED 60-watt or 36LED 96-watt LED array available in 3000K CCT, 4100K CCT or 5300K CCT white or monochromatic amber, red, blue or green (LED board included). All within 3 MacAdam ellipses.

VOLTAGE: 120 Volt AC 50/60Hz.

LENS: Clear Flat Tempered Borosilicate.

GASKET: Single piece molded U-shaped silicone gasket.

CORD: Minimum of 10' of #16/3ST submersible rated power cord for standard 120VAC line, 14/3 submersible rated power cord for CSA. Cord entrance is epoxy encapsulated. Cord length must be specified.

FACTORY LEAK TESTED: Fixtures are tested at 10 PSI (0.70kg/cm2) internal pressure while totally submerged in water.

FASTENERS: Stainless Steel.

LISTING: cCSAus, submersible luminaire suitable for fountains, laboratory tests conducted by CSA to UL Standard UL-676 and UL-8750.

US PATENT: 7,680,816

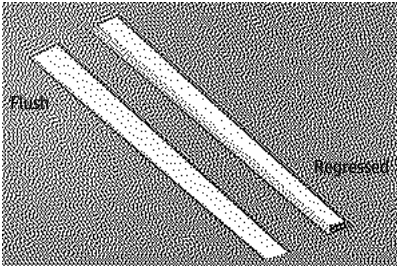
WARRANTY: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

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.

MARK ARCHITECTURAL LIGHTING™

Slot 2 LED Recessed Linear

Type:



Slot 2 LED takes both form and function a step further with increased efficacy and integral controls creating a digitally addressable luminaire that is perfect where visually harmonious illumination and energy efficiency are desired.

Slot 2 LED is the ideal choice for spaces that emphasize lines and clean contemporary design. It is a perfect fit for Armstrong TechZone™ ceiling systems. A regressed lens option provides added dimension to the sleek, slender design and the flush lens now has a Wet Label option.

Project:

Catalog Number:

DO NOT TYPE HERE. Autopopulated field.

Specification Features (continued on page 2)

Housing

Nominal 2" x 2', 3', 4', 5', 6', 7', 8' and continuous rows in 1" increments as standard, upper housing fabricated from cold-rolled steel with extruded aluminum ceiling trim.

Finish

Painted high reflectance matte white powder coat.

Reflector

Precision-formed steel; high reflectance matte white powder coat; 93% reflectivity.

Fixture Performance - SL2L*

Lumens Output	400 LMF		600 LMF**		800LMF**		1000LMF	
	RLP	FLP	RLP	FLP	RLP	FLP	RLP	FLP
Delivered Lumens/FT	234	308	404	533	534	705	654	862
Input Watts/FT	4	4	6	6	8	8	11	11
Lumen/Watt	68	89	69	91	67	88	62	82

*CCT (35K)

**Consult factory for customized lumen output and wattage

**Based on calculated values

Shielding

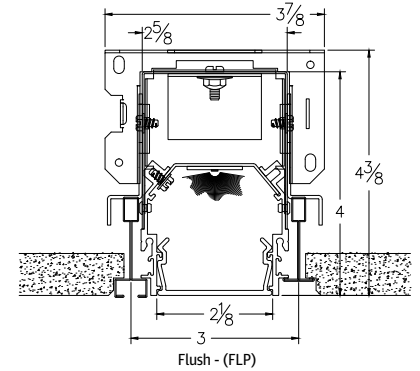
Flush Lens: Snap-in 90% transmissive satin acrylic lens.

Regressed Lens: Lay-in 90% transmissive satin acrylic lens.

Mounting

Recessed. Available for sheetrock, 9/16" slot grid or 15/16" inverted tee ceilings, or 9/16" inverted tee.

Technical Drawing



eldoLED
your product. Our drive.



A+ Capable options indicated by this color background.

Ordering

Example: SL2L LOP 4FT FLP FL 80CRI 30K 600LMF DARK 277 EC NLIGHT WL

--	--	--	--	--	--

Series	Linear Length Plan	Total Run Length	Fixture Style	Ceiling Trim	Direct Light Source Color Rendering	
SL2L Slot 2 LED Linear Recessed	LOP Linear Optimized Plan	2FT 2' 3FT 3' 4FT 4' 5FT 5' 6FT 6'	7FT 7' 8FT 8' _FT_ *Specify continuous linear feet in 1" increments (7FT6 = 7FT 6IN)	RLP ³ Regressed Lens FLP ^{2,3} Flush Lens	FL ⁴ 5/8" Flange(sheetrock) TG 9/16" or 15/16" Flat or Inverted Tee GB* Trimless (sheetrock) WFL Perimeter Mount, 5/8" Flange (Sheetrock) WTG 9/16" Flat or Inverted Tee, Perimeter Mount	80CRI 80 CRI 90CRI 90 CRI

Direct LED Color Temp	Direct LED Light Output	Direct Distribution	Minimum Dimming Level	Voltage	Finish
27K* 2700K 30K 3000K 35K 3500K 40K 4000K 50K* 5000K	400LMF 400 Lumens per FT 600LMF 600 Lumens per FT 800LMF 800 Lumens per FT 1000LMF 1000 Lumens per FT _LMF* ⁹ ## Lumens per FT (Limited to 300LMF to 1000LMF in 50LMF increments)	(blank) Standard Distribution WW ⁵ Wall Wash	NODIM Non - Dim MIN1 Constant current, dimming to 1% DARK Constant current, dimming to 0.1% MIN5 ⁶ Constant current, dimming to 5% MIN10 ¹⁵ Constant current, dimming to 10%	120 120V 277 277V 347 ^{2,9} 347V	(blank) White xxx/BLKT Black, textured xxx/SLVT Silver, textured xxx/RALTB ⁸ RAL paint finish xxx = fill in with the appropriate ceiling trim. Only trims are painted

Emergency Options	Control Input	Primary Sensor ¹²	Options
(blank) No Emergency E10WLC ^{8,17} 4ft Emergency Section with battery pack _E10WLC ^{8,17} Number of 4ft Emergency Section(s) with battery pack _EC ¹⁰ # of Emergency Circuits	(blank) Non-dim ¹¹ ZT 0 10V NLIGHT nLight enabled ECOD* Lutron Hi-Lume digital driver ECOD2* ^{14,16} Lutron Hi-Lume 2-wire (1% dimming) ECOD5* ¹⁶ Lutron 5-series digital driver (5% dimming)	(blank) No Sensor PDT Occupancy Sensor- Dual Technology (Passive Infrared & Microphonics) ADC Daylight dimming sensor API PIR Occupancy Sensor & Photocell APD PDT Occupancy Sensor & Photocell	CP Chicago Plenum USPOM US point of assembly WL ^{3,13,17} Wet Location Listing DPL Damp Location Listing PWS 6' pre-wire, 3/8" diameter, 18 gauge

* Requires longer lead time.

See Notes next page.

Specification Features (continued)

LED Components

Linear: Nichia® - 757 Series LED chips (available in 80 or 90 CRI)

LED Life

Rated 65,000 hours (L80) at 25 °C ambient temperature.

Color Consistency

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. Color variation is no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

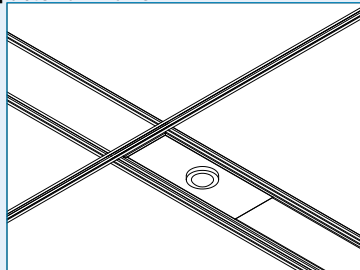
Driver

eldoLED constant current driver options delivers ultra-smooth dimming resolution from 100% to 0.1%, while assuring flicker free, low current inrush, 89% efficiency and low EMI.

Integrated Controls

Optional nLight® embedded controls make luminaire addressable-allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling. (Input option: NLIGHT)

A+ Capable Luminaire



Occupancy Sensor (PDT) and/or Photocell (ADC)

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

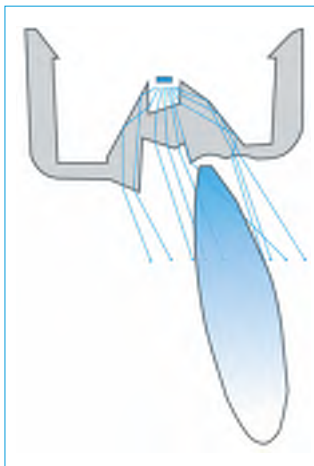
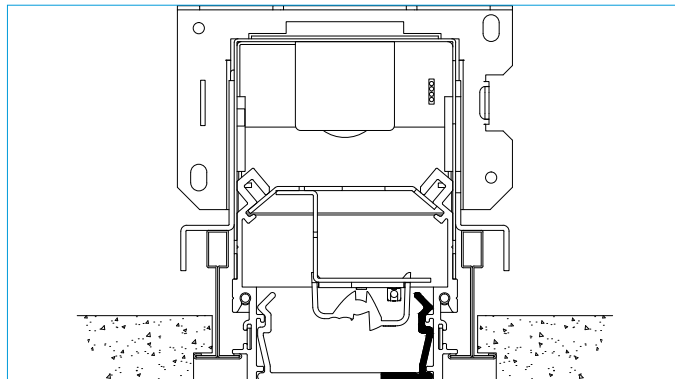
*See ordering tree for details

Notes

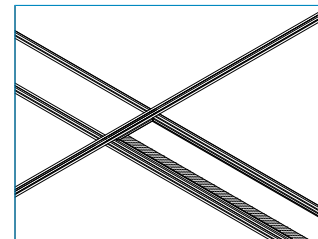
1. Supplied with lift and shift lay-in lens.
2. Supplied with snap-in lens.
3. Wet Location Label available with Flush Lens only.
4. Not intended for post sheetrock installation.
5. Wall wash not available with RLP lens option.
6. Only available with ECOD5 option.
7. Not available with 2ft fixture sections or with E10WLCP, NLIGHT, sensors, or ECO options. Must select MIN1 option.
8. Remote mounted, not available with CP option.
9. Not available with ECOD, ECOD2 and ECOD5.
10. Standard 4' EC section, defaults to end of run. 2ft, 3ft and 5ft powers entire fixture, 6ft powers 3ft EC section.
11. Only available with NODIM option.
12. Sensors not available with WW, NODIM driver, WL or RLP option. Default location for sensor is the left side of the fixture, for runs the first fixture will include the sensor.
13. Cannot be installed in vertical surfaces. Not available with Primary Sensor options or PWS option.
14. Must use 120 volt.
15. MIN10 not available with 347, sensors, NLIGHT or NLTAIR2, requires ZT
16. ECOD and ECOD2 not available with sensors, requires MIN1 dimming.
17. Battery kit is not wet listed. Can be used with WL unit if installed in a dry location.

Optics

Slot LED's patent-pending, precision lumen DIRECTIR optics condition and refract light to deliver accurately controlled, striation-free, and uniform white light. All lumen DIRECTIR optics are injection-molded, optical grade, UV-resistant acrylic with selective finishing/polishing treatment.



Optional Wall Wash (WW)



Certification

CSA tested to UL 1598 standards. Optional Damp or Wet location listings available, see ordering tree.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

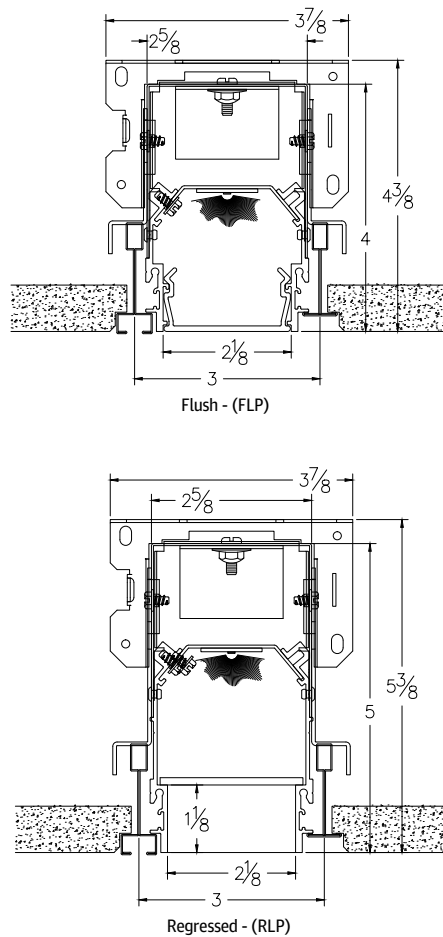
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

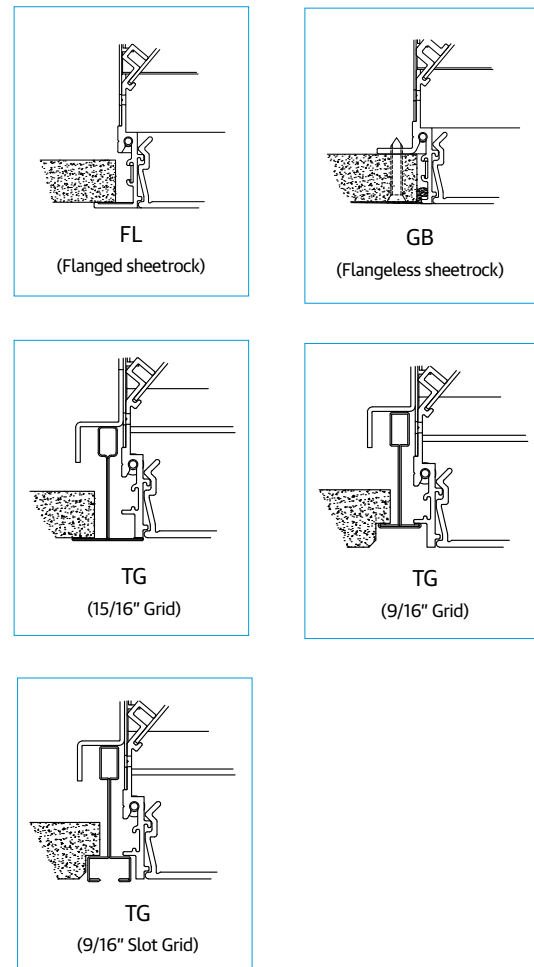
Photometry

For photometric information refer to www.marklighting.com.

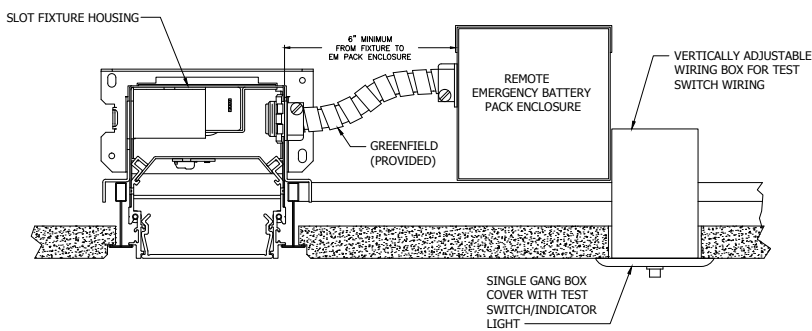
Technical Drawing



Ceiling Trim



Remote Emergency Battery Mounting

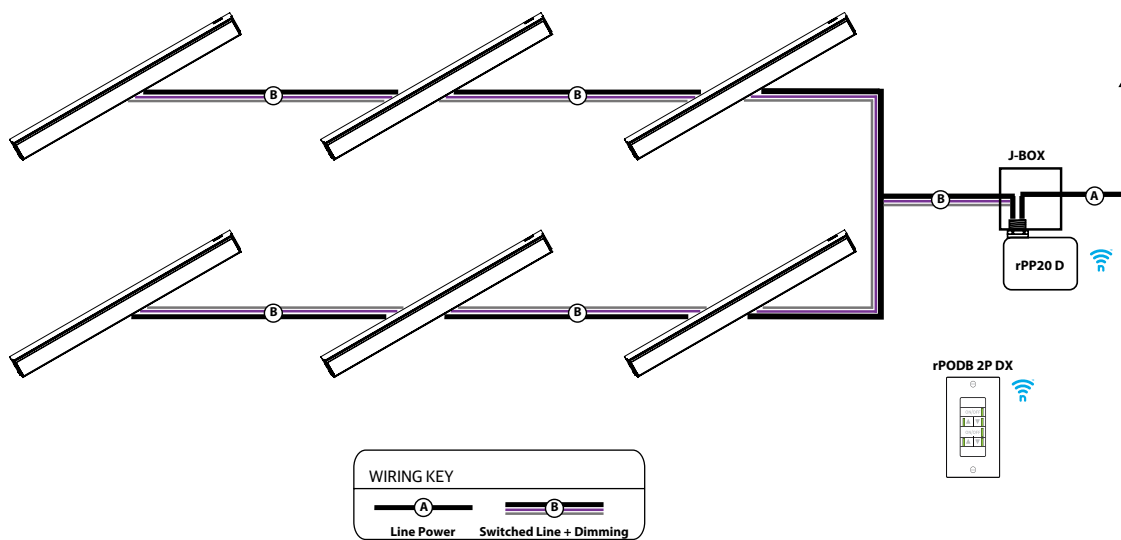


- Notes**
- Delivers 700 lumens per 4FT length. Default location is the right side of fixture and end of run.
 - Provided with 4FT of flexible conduit. Maximum of 25FT remote distance if extended. Extension provided by others.

nLight Air Wireless

To Make fixture NLTAIR2 compatible the following components are required:

- 1) rpp20 D
- 2) rPODB 2P DX

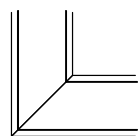


Continuous Runs

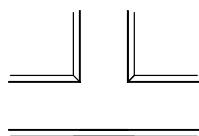
Slot 2 LED continuous rows can be configured in 1" increments.

Run Patterns, Corners and Junction

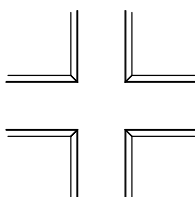
Slot 2 LED patterns be configured in 1' increments with illuminated 90° inside and outside corners, T junctions, and X junctions with standard 2' corner and junction lengths. For custom angles, corner or junction lengths, consult factory.



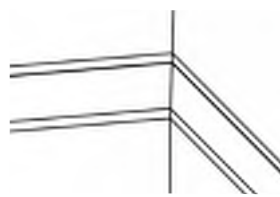
90° Corner



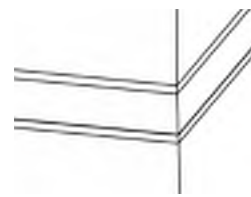
T Junction



X Junction



Inside Corner

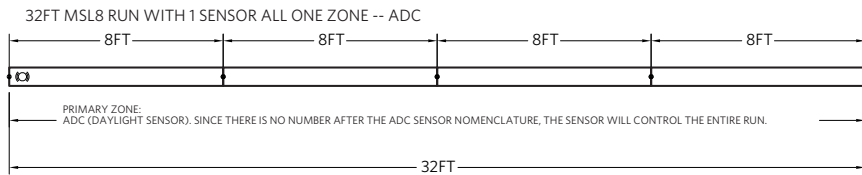


Outside Corner

Layout Sketch

Please draw and configure your linear run below.

INTEGRATED SENSOR LAYOUT



- Notes:**
- Only one sensor per zone

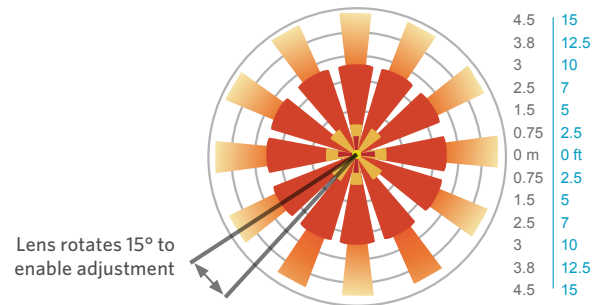
OCCUPANCY DETECTION COVERAGE

At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.





RSX1 LED Area Luminaire

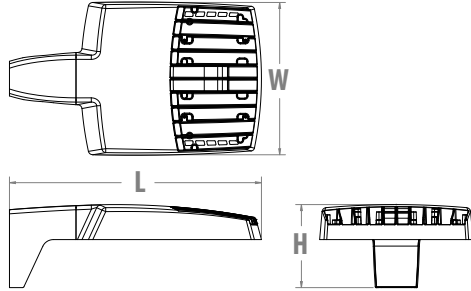


Catalog Number
Notes
Type

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

Specifications

EPA (ft²@0°):	0.57 ft ² (0.05 m ²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight (max):	31.0 lbs (14.1 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) ²	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁵ WBA Wall bracket ¹ WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting ⁵ AARP Adjustable tilt arm round pole mounting ⁵ AAWB Adjustable tilt arm with wall bracket ⁵ AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁵
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) ³	
	P3	50K 5000K	R3S Type 3 Short	(use specific voltage for options as noted) 120 ³ 277 ⁴ 208 ³ 347 ⁴ 240 ³ 480 ⁴	
	P4		R4 Type 4 Wide		
			R4S Type 4 Short		
			R5 Type 5 Wide ¹		
			R5S Type 5 Short ¹		
			AFR Automotive Front Row		
			AFRR90 Automotive Front Row Right Rotated		
			AFRL90 Automotive Front Row Left Rotated		

Options		Finish
Shipped Installed HS House-side shield ⁶ PE Photocontrol, button style ^{7,8} PEX Photocontrol external threaded, adjustable ^{8,9} PER7 Seven-wire twist-lock receptacle only (no controls) ^{8,10,11,12} CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) ⁴ DF Double fuse (208, 240, 480) ⁴ SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output ^{8,12} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ^{8,12}		DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLTXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White
Shipped Installed *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 nLight AIR generation 2 ^{12,13,14} PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) ^{12,14,15} *Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted. Shipped Separately (requires some field assembly) EGS External glare shield ⁶ EGFV External glare full visor (360° around light aperture) ⁶ BS Bird spikes ¹⁶		



Ordering Information

Accessories

Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glare shield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
RSXSGB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹⁷
DSHORT SBK U	Shorting cap ¹⁷

NOTES

- 1 Any Type 5 distribution, is not available with WBA.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 5 Maximum tilt is 90° above horizontal.
- 6 It may be ordered as an accessory.
- 7 Requires MVOLT or 347V.
- 8 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN).
- 9 Requires 120V, 208V, 240V, 277V or 347V.
- 10 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
- 11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 12 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- 13 Must be ordered with PIRHN.
- 14 Requires MVOLT or HVOLT.
- 15 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 16 Must be ordered with fixture for factory pre-drilling.
- 17 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

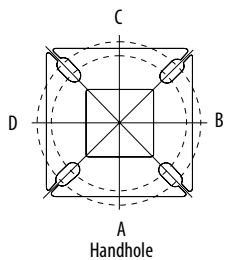


External 360 Full Visor

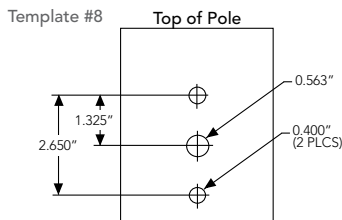
Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

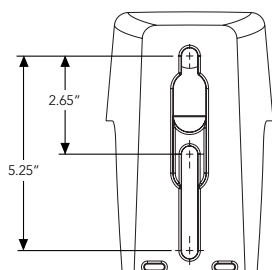
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 @ 180°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
#8	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

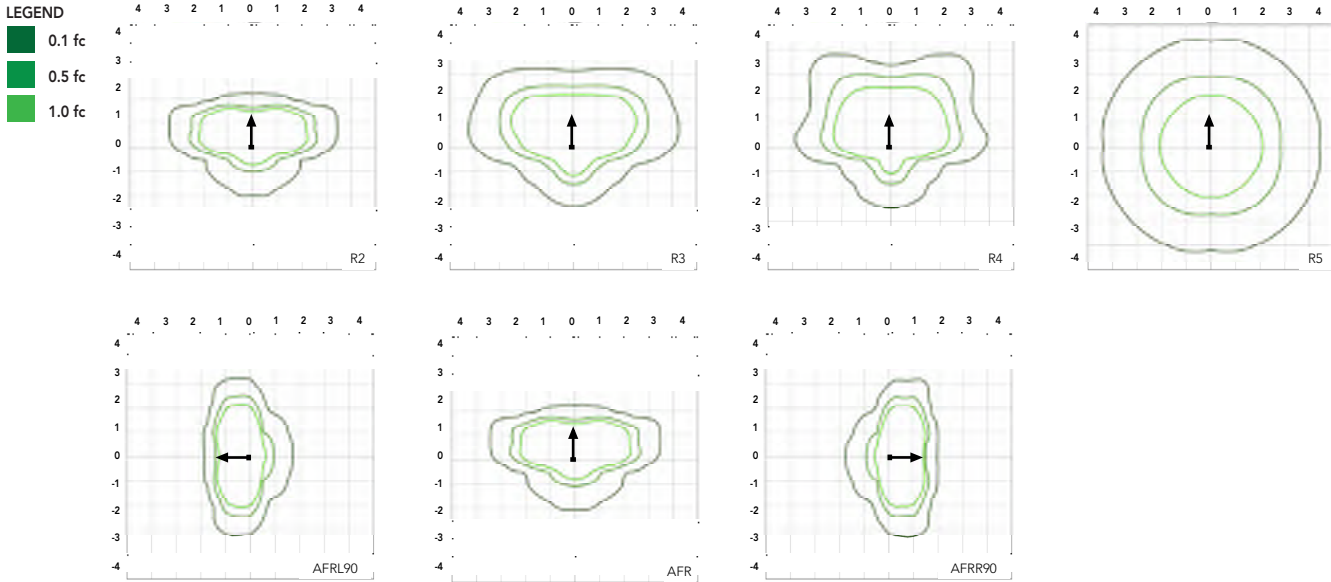
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side	
SPA - Square Pole Adaptor	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26	
RPA - Round Pole Adaptor	0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36	
MA - Mast Arm Adaptor	0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1	
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97	

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Area homepage](#).

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°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
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

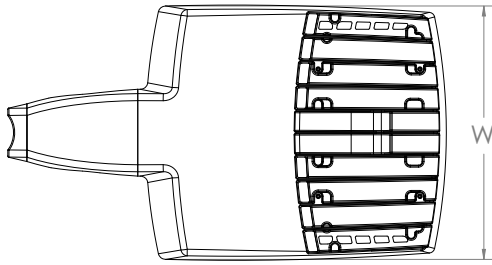
Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

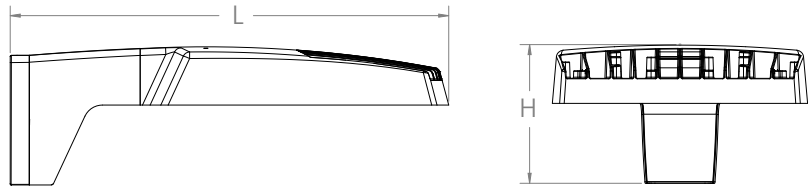
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

Dimensions

RSX1 with Round Pole Adapter (RPA)



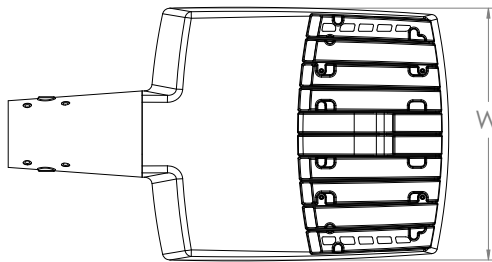
Length: 22.8" (57.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.4 cm) Arm



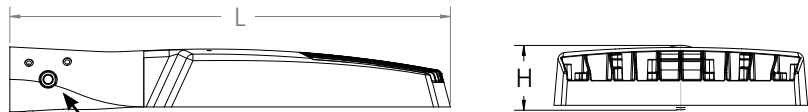
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



RSX1 with Mast Arm Adapter (MA)

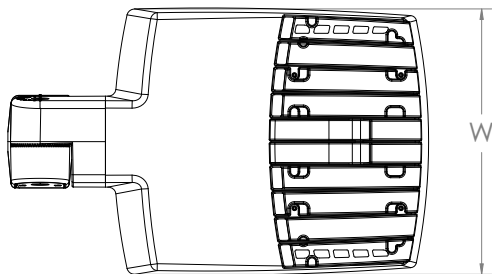


Length: 23.2" (59.1 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm

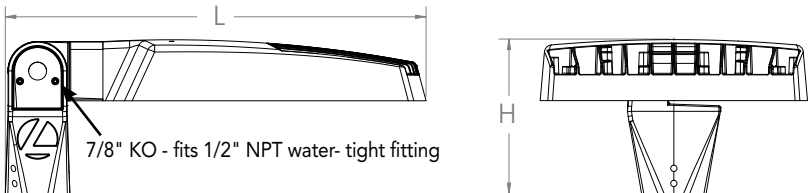


7/16" locking thru bolt/nut provided

RSX1 with Adjustable Slipfitter (IS)



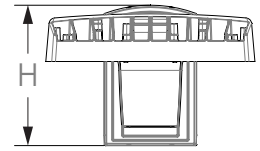
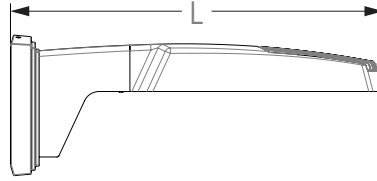
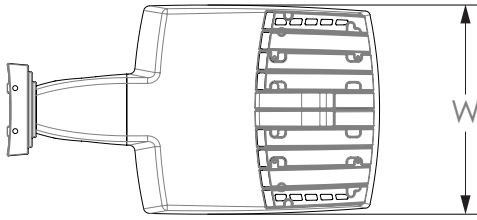
Length: 20.7" (52.7 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm



7/8" KO - fits 1/2" NPT water-tight fitting

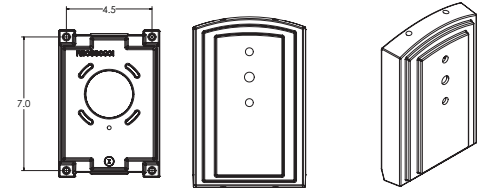
Dimensions

RSX1 with Wall Bracket (WBA)

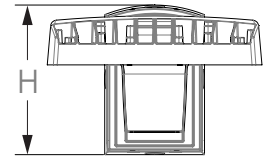
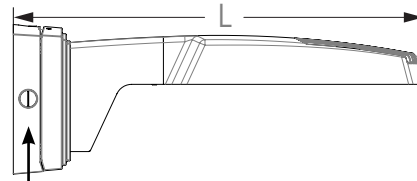
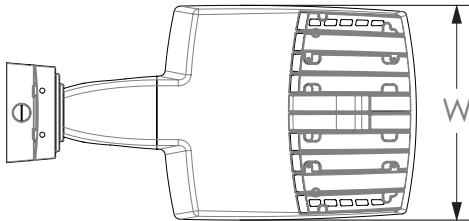


Length: 23.6" (59.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



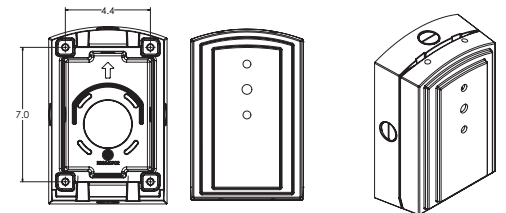
RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



3/4" NPT taps with plugs - Qty (4) provided

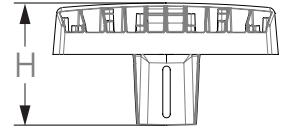
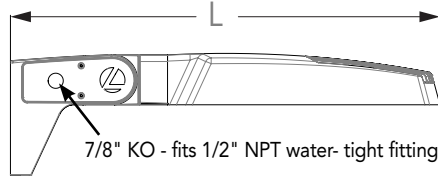
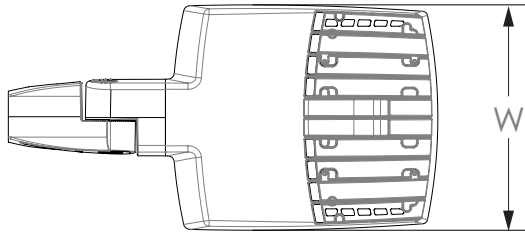
Length: 25.3" (64.3 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

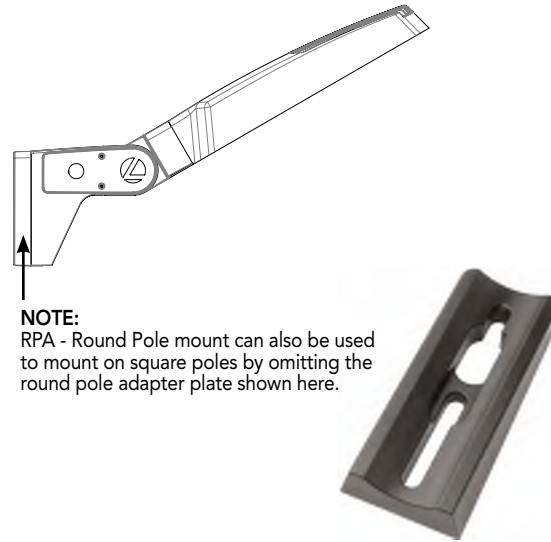


Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 25.3" (65.3 cm) **AASP**
 26.3" (66.8 cm) **AARP**
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.2 cm) Arm



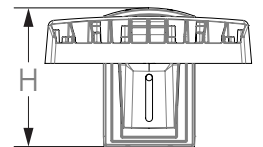
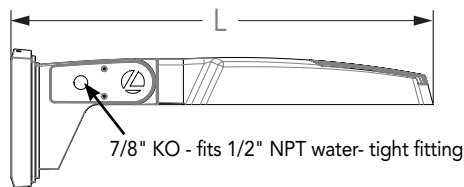
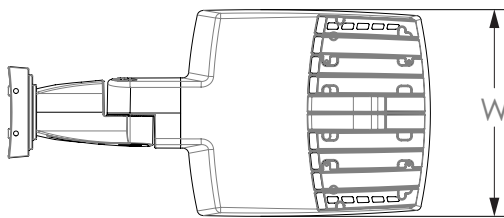
NOTE:
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Notes

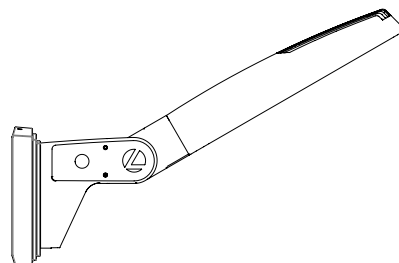
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

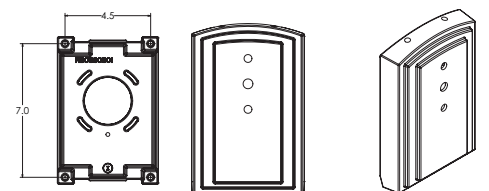
RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



Length: 27.1" (68.8 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

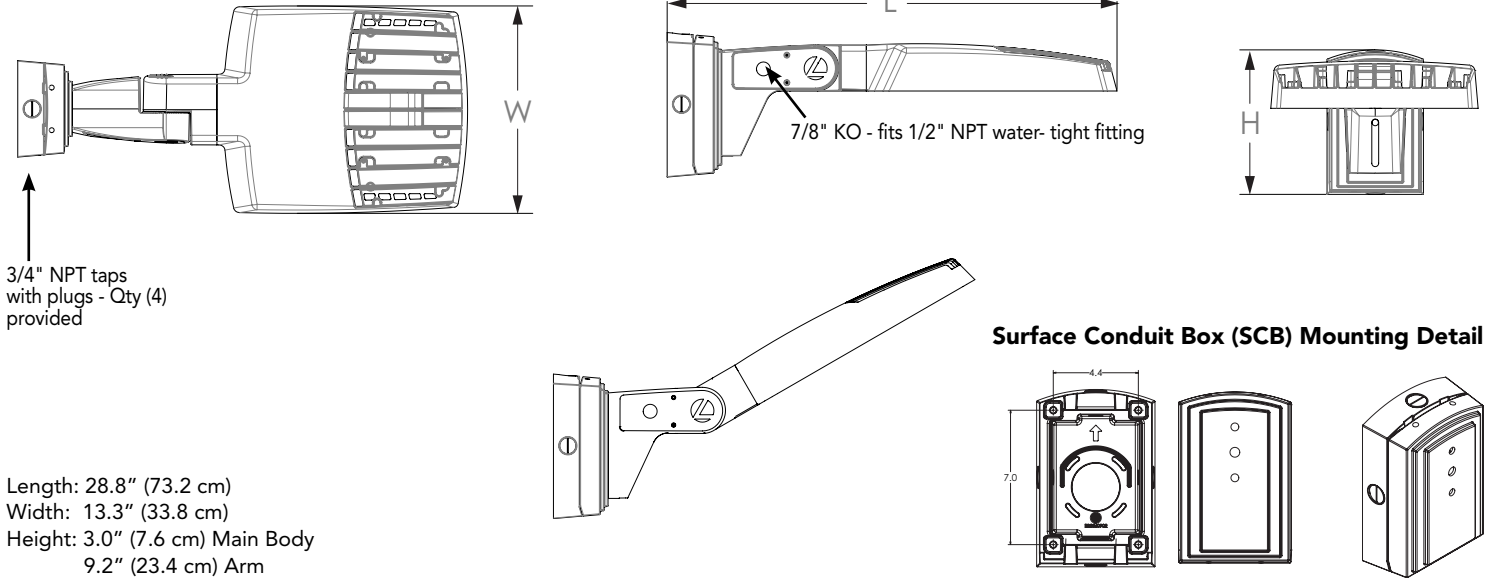


Wall Bracket (WBA) Mounting Detail

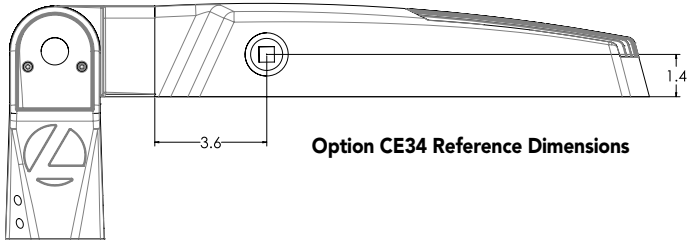


Dimensions

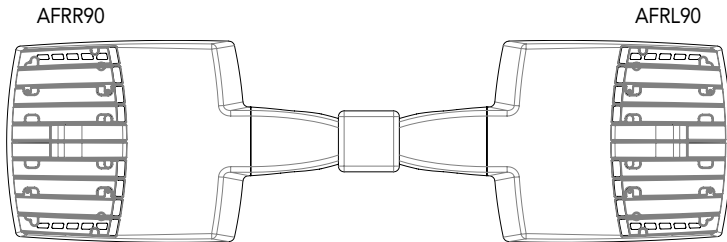
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



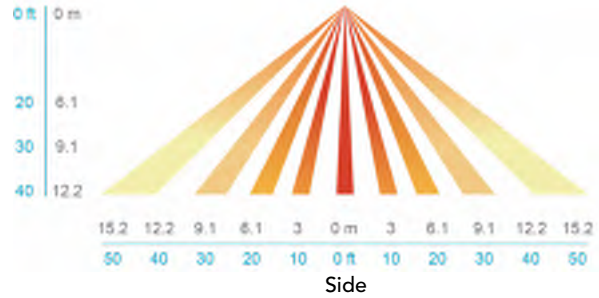
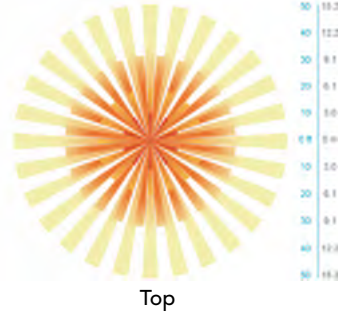
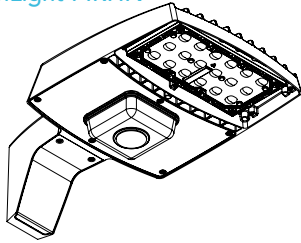
Additional Reference Drawings



Automotive Front Row - Rotated Optics (AFRL90/R90)



PIRHN nLight Sensor Coverage Pattern



Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for a 1.5 G vibration load per ANSI C136.31. WITH Vibration rated per ANSI C136.31: 3G Mountings: SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFR90 and ARFL90.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

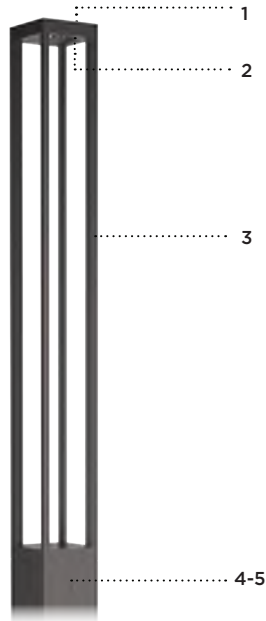
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

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.

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE SUFFIX VOLTAGE FINISH OPTION OPTION OPTION OPTION



- 1- Cast aluminum top cover.
- 2- Optical system assembly.
- 3- 4x extruded aluminum struts.
- 4- Cast aluminum driver housing.
- 5- 6" (152) x 6" (152) extruded aluminum square body.

LQ641



MATERIALS

Lumiquad column is made of 6061-T6 extruded aluminum alloy. All other parts are made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.

ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Standard 4000K CCT/80 CRI. Optional 2700K, 3000K and 3500K.

LIFE

60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data).
Up to 70,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

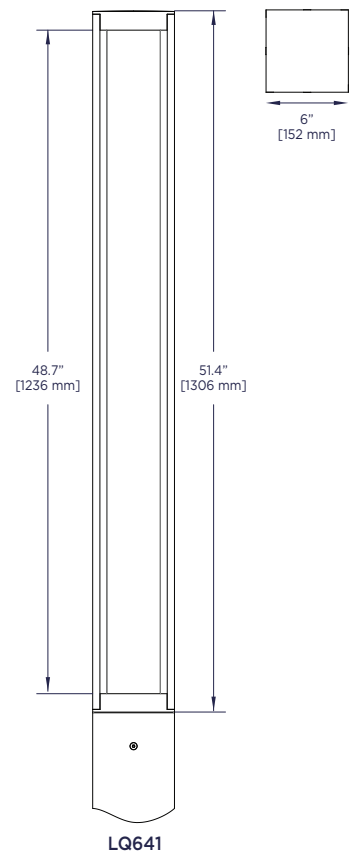
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

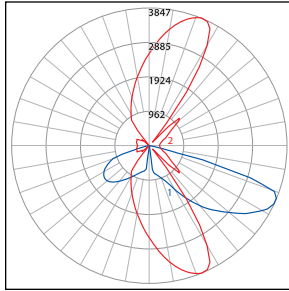
Tested to UL1598 and CSA 22.2 #250. ETL listed wet location.
Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards. CE certification on request.
Rated IP65.

MOUNTING

Lumiquad column is designed for ease of access and installation.
For overall heights of 96" (8FT) to 168" (14FT): The cast aluminum base plate is secured with a set of (4) 1/2"-13 x 18" LG galvanized anchor bolts.
For overall heights above 168" (14FT): The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18" LG galvanized anchor bolts.
Accessibility is done through a flush mount 2"x4" (100X178) hand hole cover plate.

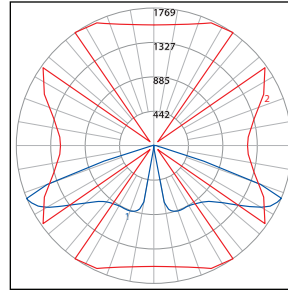


TYPICAL PHOTOMETRY SUMMARY



Descriptive Information

LQ641-L1L50-R2
 Total Lms: 5137 Lumens
 Total Input Watts: 55,3 W
 Efficacy: 92,9 Lumens/Watt
 BUG: B2-U0-G2
 CCT/CRI: 4000K/80
 Maximum Candela: 3803 @ 55°H/42.5°V




Descriptive Information

LQ641-L1L50-R5
 Total Lms: 5144 Lumens
 Total Input Watts: 69,1 W
 Efficacy: 74,4 Lumens/Watt
 BUG: B3-U0-G1
 CCT/CRI: 4000K/80
 Maximum Candela: 1738 @ 55°H/47.5°V

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

LUMINAIRE SELECTION

MODEL#	LED LIGHT SELECTION (4000K/80CRI)	OAH COLUMN SELECTION	VOLTAGE ¹	FINISH																																							
 <input type="checkbox"/> LQ641	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>INPUT WATTS</th> <th>DELIVERED LUMENS</th> </tr> </thead> <tbody> <tr> <td>Type II</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> L1L15-R2</td> <td>14W</td> <td>1626</td> </tr> <tr> <td><input type="checkbox"/> L1L25-R2</td> <td>25W</td> <td>2666</td> </tr> <tr> <td><input type="checkbox"/> L1L50-R2</td> <td>56W</td> <td>5137</td> </tr> <tr> <td>Type V</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> L1L15-R5</td> <td>17W</td> <td>1614</td> </tr> <tr> <td><input type="checkbox"/> L1L25-R5</td> <td>29W</td> <td>2627</td> </tr> <tr> <td><input type="checkbox"/> L1L50-R5</td> <td>69W</td> <td>5144</td> </tr> </tbody> </table>	SUFFIX	INPUT WATTS	DELIVERED LUMENS	Type II			<input type="checkbox"/> L1L15-R2	14W	1626	<input type="checkbox"/> L1L25-R2	25W	2666	<input type="checkbox"/> L1L50-R2	56W	5137	Type V			<input type="checkbox"/> L1L15-R5	17W	1614	<input type="checkbox"/> L1L25-R5	29W	2627	<input type="checkbox"/> L1L50-R5	69W	5144	<table border="1"> <thead> <tr> <th>POLE FOR</th> <th>LQ641</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> LQP669</td> <td>120"</td> </tr> <tr> <td><input type="checkbox"/> LQP693</td> <td>144"</td> </tr> <tr> <td><input type="checkbox"/> LQP6117</td> <td>168"</td> </tr> <tr> <td><input type="checkbox"/> LQP6141</td> <td>192"</td> </tr> <tr> <td><input type="checkbox"/> LQP6165</td> <td>216"</td> </tr> </tbody> </table>	POLE FOR	LQ641	<input type="checkbox"/> LQP669	120"	<input type="checkbox"/> LQP693	144"	<input type="checkbox"/> LQP6117	168"	<input type="checkbox"/> LQP6141	192"	<input type="checkbox"/> LQP6165	216"	<input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V <input type="checkbox"/> 480V	STANDARD COLORS <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color (Refer to color chart)
	SUFFIX	INPUT WATTS	DELIVERED LUMENS																																								
Type II																																											
<input type="checkbox"/> L1L15-R2	14W	1626																																									
<input type="checkbox"/> L1L25-R2	25W	2666																																									
<input type="checkbox"/> L1L50-R2	56W	5137																																									
Type V																																											
<input type="checkbox"/> L1L15-R5	17W	1614																																									
<input type="checkbox"/> L1L25-R5	29W	2627																																									
<input type="checkbox"/> L1L50-R5	69W	5144																																									
POLE FOR	LQ641																																										
<input type="checkbox"/> LQP669	120"																																										
<input type="checkbox"/> LQP693	144"																																										
<input type="checkbox"/> LQP6117	168"																																										
<input type="checkbox"/> LQP6141	192"																																										
<input type="checkbox"/> LQP6165	216"																																										

OPTIONS

ELECTRICAL

- FS Fuse
- SP Surge protector 10KV
- PH Photocell

ACCESSORIES

- GFI Ground fault circuit interruption flush receptacle²
- CGF Ground fault circuit interruption with clear in-use cover²
- BLC1 Blockout shield (one side)³
- BLC2 Blockout shield (two sides, installed at 90°)⁴
- BLC3 Blockout shield (three sides)⁴
- LVR Glare control louvers provided with a 90° lens
- MSD Motion sensor device (high/low 25%).
255° coverage.
Installed at 180° from hand hole.
120/277VAC, 50/60Hz (or 230VAC, 50Hz).

LIGHT

- Alternate CCT °K LED (LCF: Lumen conversion factor)
- K27 2700K CCT 80 CRI (LCF: 0.91)
 - K3 3000K CCT 80 CRI (LCF: 0.94)
 - K35 3500K CCT 80 CRI (LCF: 0.98)

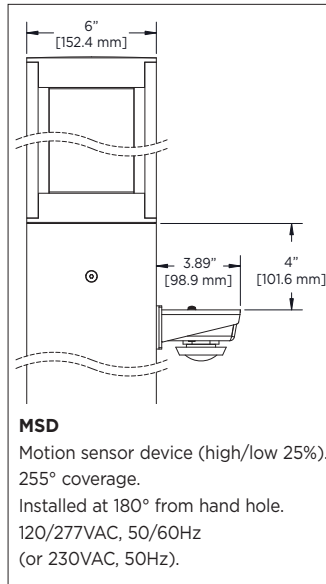
NOTE: Other CCT & higher CRI available, please consult factory.

NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- GFI and CGF options are installed 18" above grade unless otherwise specified. CGF cover protrudes by 3.62" (92). 120V required for GFI or CGF.
- 3- BLC1 installed on back side when distribution Type II is selected.
- 4- BLC2 and BLC3 not available with distribution type II.

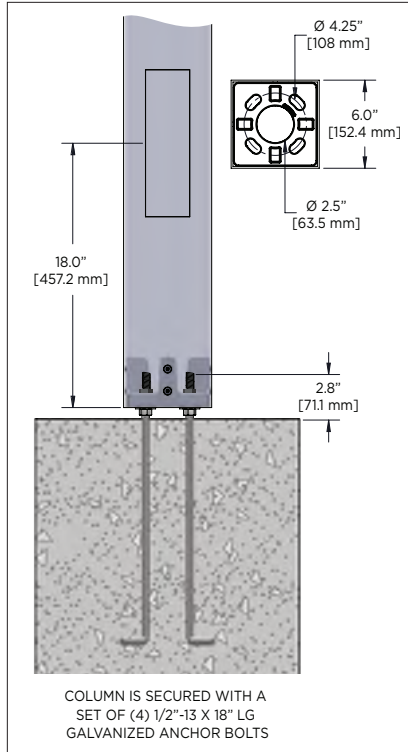
OPTIONS

ACCESSORIES

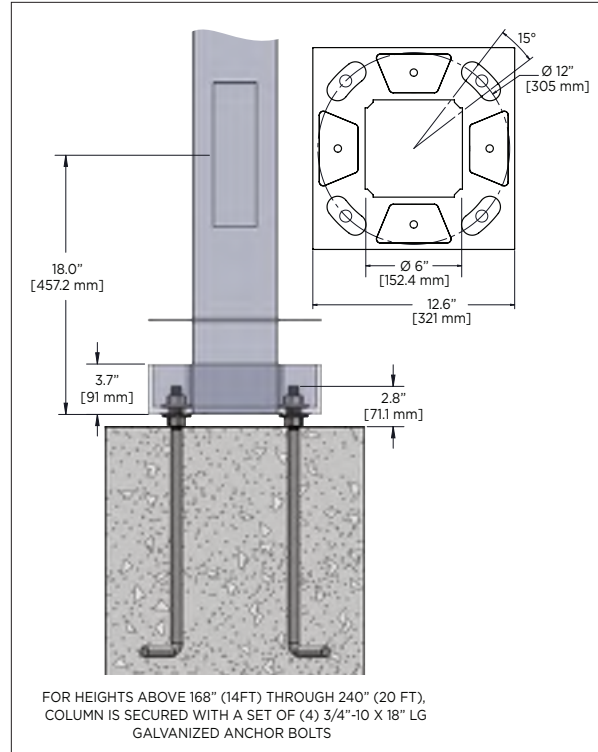


MOUNTING INFORMATION

OVERALL HEIGHTS FROM 96" (8FT) TO 168" (14FT)



OVERALL HEIGHTS ABOVE 168" (14FT)



RA2S-7F

LUNA™ LED

2" LUNA™ LED Square Fixed Color Selectable
Recessed Fixture
Recess Lighting

Job Information		
Project Name		Type
Location		
Quantity		Date
Contact/Phone		
Notes		

Features

Body

Durable airtight aluminum body with anodized blue heat sink to provide maximum airflow for the LED light source.

LED Characteristics

This general application light fixture features a 7 watt LED module that maintains uniform intensity producing up to 560 lumens; with a typical CRI of 90. On-fixture color selectable switch allows switching between 2700 K, 3000 K, 3500 K, 4000 K and 5000 K colour temperatures.

Dimming

100%-10% dimming capability. This fixture is compatible with industry standard forward-phase / reverse-phase dimmers (contact factory for list of compatible dimmers).

Beam Spread

The fixture lens provides 40° beam spread.

Mounting

Includes two spring loaded clips to attached to any ceiling material.

LED Driver

Extruded aluminum hardwire box with 170mA dimmable class II electronic LED driver with 100-135V AC input. Includes an 18" FT6 rated cable with DC 2.1 connector between driver and fixture approved for use in plenums and suspended ceilings.

Quick Connect push-in terminals

Three "Quick connect" push-in terminals for fast and easy wiring.

Operating Temperature

-20°C~40°C (-4°F~104°F)

Environment

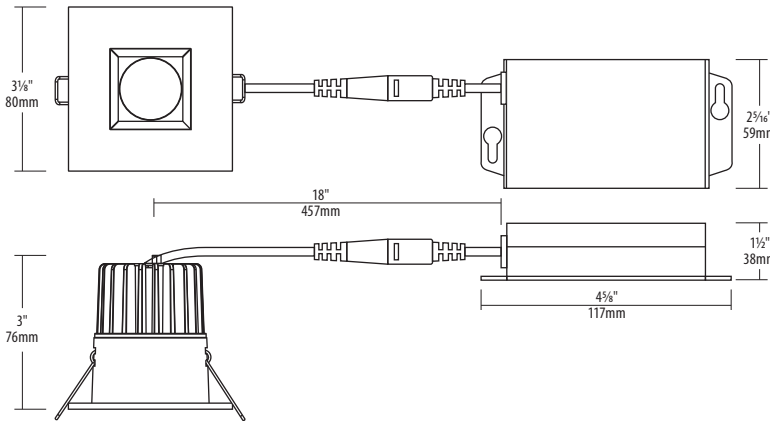
- Suitable for wet locations.
- Approved for direct contact with insulation.
- Airtight

SPECIFICATION	
Application	Ceiling Recess Mount
Approved Location	Wet / Insulated Ceilings
Beam Angle	40°
CCT (color selectable)	2700 K / 3000 K / 3500 K / 4000 K / 5000 K
Certification	cETLus
Class II	Yes
Colour	BK / BN / WH
CRI	90
Dimming	Yes
Dimming Tech	Forward/reverse-phase
Energy Star	Yes
Hole Cut	2½" 2½" (64mm x 64mm)
Input	100-135V AC, 60Hz
Lumens	Up to 560
Lumens per Watt	Up to 79
Power Factor	0.9
Projected Life	70% @ 36,000 hrs
Warranty	Lifetime
Wattage	7W



Description

The RA2S-7F is a 7 watt 2" square fixed recessed light fixture for retrofit application. It is a high-performance, easy to install downlight solution that offers good light output, energy-efficiency and streamlined design. Suitable for wet locations.



Notes: Accessories are sold separately. For additional options please consult your Liteline representative. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Ordering Guide

RA2S-7F - 90	Trim Finish
	<input type="text"/>
	BK : Black
	BN : Brushed Nickel
	WH : White

Accessories



SLM-60-FC

60" Flexible connector, for use with SlimLED fixtures.



P-2510

2½" Round pre-mounting plate with driver attachment clip, for 2" LUNA LED fixtures.



P-NCMK-1

New construction mounting kit. Includes hanger bars, brackets and screws.



VBE-1

Vapour barrier extender. For use in new construction applications.



VBE-2

Vapour barrier extender. For use in remodel applications.



VBE-3

Vapour barrier extender. For use in remodel applications.



VBE-4

Vapour barrier extender. For use in remodel applications.



VBE-5

Vapour barrier extender. For use in new construction applications.

FCSL203



Date: _____

Type: _____

Fixture: _____

Project: _____

Approved:

FCSL203 IP65 rated exterior die-cast mid-sized step light with louvered faceplate for masonry applications. Corrosion resistant, die-cast aluminum construction, this fixture provides illumination for damp, dry or wet areas.

SPECIFICATIONS

PHYSICAL

lengths/dimensions	fixture: 11.9" W x 4.4" H x 3.4" D
weight	3 lbs
housing	marine grade, corrosion resistant, heavy gauge aluminum faceplate
lens	clear, tempered, glass lens with precision formed semi-specular aluminum reflector.
mounting	mounts directly to standard junction box; concrete pour, masonry applications
ingress protection	IP65 : dry, damp or wet locations with extruded silicone gasket to seal out contaminants
finish	six stage chemical iron phosphate substrate pre-treatment process for a UV stable, super durable standard polyester powder coat

PERFORMANCE

color temperature	2700K	3000K	3500K	4000K
lumen output	340 lm			
lifetime	> 70,000 hours / L70 or better			
color consistency	Step 3 McAdams Ellipse / standard: CRI ≥ 85			
temperature	operating: -13°F to 104°F (-25°C to 40°C) start up: -13°F to 104°F (-25°C to 40°C) storage: -40°F to 176°F (-40°C to 80°C)			
junction temperature	73°C @ T ^a 25°C			
warranty	5 year limited warranty (refer to website for details)			

ELECTRICAL

input voltage	Universal 120–277V AC
power supply	integral Class II, electronic high-power factor > 94% @120V
certifications	ETL / cETL Listed, CEC Title 24 JA8 compliant
standards	UL 1598 / CSA C22.2 No. 250.0 - Class I / IES LM-79 / LM-80
power consumption	16W @ 120V - 277V
dimming interface	standard: 0-10V (10%)

QUICK SHIP PRODUCT visit fclighting.com

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions.



Ordering Information

PART NUMBER													
FCSL203						340							
SERIES	VOLTAGE		CCT		LUMENS		CRI		FINISH		OPTIONS		
FCSL203	120V	120V	LED	27K	340 lumens (16W)	CRI85	85 CRI	BK	Black		HB	Hanger Bracket	
	277V	277V		3K			CRI90		90 CRI	BZ	Bronze		BBU
	UNV	120V-277V		35K		SL		Silver			WH	White	
				4K			Custom Color		CC	Custom Color			

Consult Factory for other options and configurations.

To ensure you receive proper configurations for your lighting specifications, contact us directly about any unique application requirements. This may include but not be limited to lumen output, mounting needs, or electrical requirements.



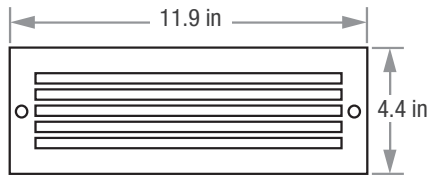
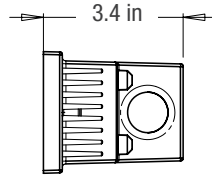
Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions.



Dimensions

PRODUCT DIMENSIONS - STANDARD PRODUCT

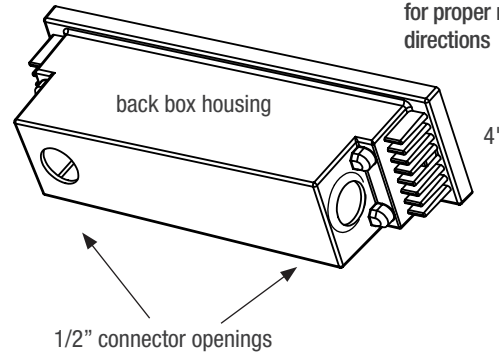
width	11.9" W
height	4.4" H
depth	3.4" D



MOUNTING - *j-box sold by others*

back box width	11.65" W
back box height	4" H
back box depth	3.4" D

back box mounts inside brick masonry: faceplate flush to surface or in front of surface - see installation instructions for proper mounting directions



Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions.



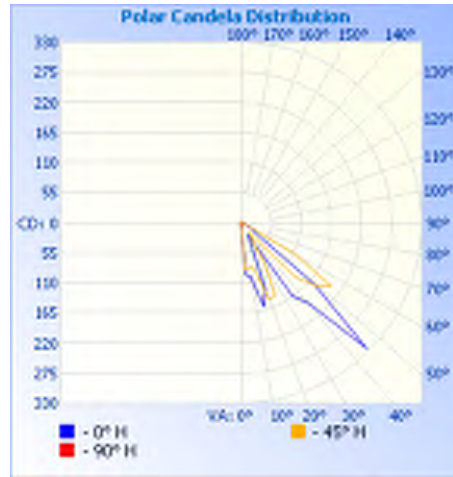
Photometry

OPTICAL DISTRIBUTION

lumen output	344 lm @ 4000K
power consumption	16W

Illuminance at a Distance			
	Center Beam fc	Beam Width	
1.7ft	1.94 fc	0.5 ft	1.4 ft
3.3ft	0.52 fc	0.9 ft	2.7 ft
5.0ft	0.22 fc	1.4 ft	4.1 ft
6.7ft	0.12 fc	1.8 ft	5.5 ft
8.3ft	0.08 fc	2.3 ft	6.9 ft
10.0ft	0.06 fc	2.7 ft	8.3 ft

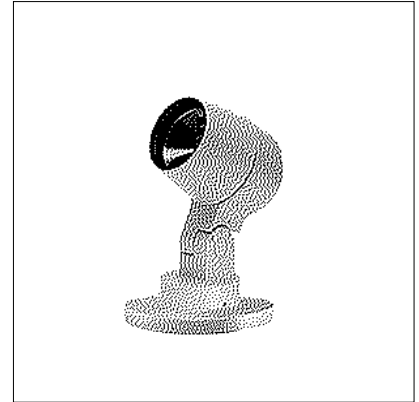
■ Vert. Spread: 15.5°
■ Horiz. Spread: 44.9°



iti illuminations testing laboratory: Report #2296

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions.

The Ring Mini is an outdoor floodlight suitable for installation on a façade or wall, with 355° swivel base and horizontal adjustment of +90° / -40°. It comes in 3 standard finishes and 3 optics options.

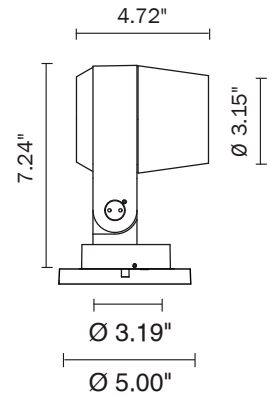


Base Plate Included with Fixture

TECHNICAL DATA

Wattage / Input	10W (120VAC)
Power Supply	Integral
Construction	Body: Die-Cast Copper-Free Aluminum Screws: Stainless Steel Lens: Tempered, Safety Glass
CCT	3000K, 4000K
CRI	>80
Delivered Lumens	1060 lm (3000K, 35°)
Efficacy	106 lm/W (3000K, 35°)
Optics	3 Standard (see below)
Finishes	3 Standard, Custom RAL (see below)
Fixture Dimensions	Ø3.15" x 4.72" w x 7.24" h
Fixture Weight	3.31 lbs
LED Source	1 COB CREE "CXB 1310" LED
IP Rating	IP66
Impact Rating	IK08

Fixture Dimensions



ORDERING INFORMATION

Example: 101401P-30K-35-TG. Accessories / Power Supplies ordered separately.

101401P	-		-		-	
Model No.	CCT	Optics	Finish			
101401P	30K - 3000K 40K - 4000K	14 - 14° 35 - 35° 55 - 55°	TG - Textured Grey (RAL 9006) AG - Anthracite Grey (RAL 7016) MB - Matte Black (on request)			

Job Name/Date:

Fixture Type Designation:

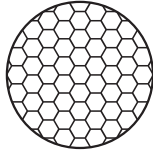
ACCESSORIES

Installation



AC044
Ground Spike

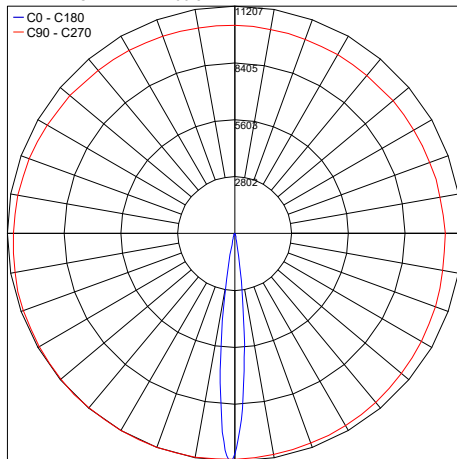
Anti-Glare



AC048
Honeycomb Louver

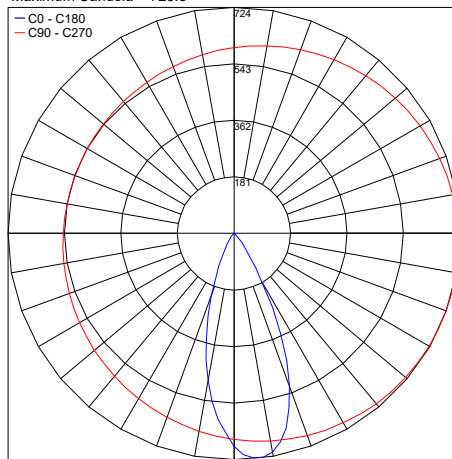
PHOTOMETRIC DATA

Maximum Candela = 11206.8



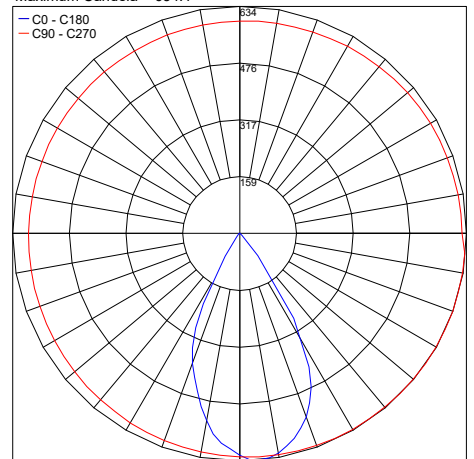
14°

Maximum Candela = 723.8



35°

Maximum Candela = 634.1



55°

ACCESSORIES ORDERING

Installation Accessories

Anti-Glare Accessories

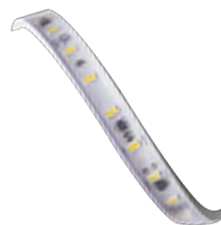
Job Name/Date:

Fixture Type Designation:

120 V STATIC WHITE DIRECT AC RIBBONLYTE

GENLED Acolyte[®] Static White Direct AC RibbonLyte extends up to 164 ft on a single run with no drivers - perfect for long covers and other large spaces. It is factory cuttable every 4 inches, compared to many competitors which are only cuttable every 1.5 feet.

- Directly input 120 Volts AC
- Max run length: 164 ft (50 m)
- 2400K, 2700K, 3000K, 3500K, 4000K, 5000K and 6000K. Other color temperatures may be available. Consult Factory.
- Factory cuttable every 4" (101.6 mm)
- 90+ CRI
- IP65
- Dimmable with Lutron Phase - Adaptive Power Module PHPM - WBX paired with Lutron 3-wire or Lutron 2-wire 0-10V dimmer
- Sold with AC plug or bare wire input (see page 3)
- Mounting clips included



Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	
RB	90	AC12065		
RB - RibbonLyte	90 - 90+ CRI Static White	AC12065 - Direct AC 120V IP65	4.024 - 4.0 2400K	4.040 - 4.0 4000K
			4.027 - 4.0 2700K	4.050 - 4.0 5000K
			4.030 - 4.0 3000K	4.060 - 4.0 6000K
			4.035 - 4.0 3500K	

Connection Options:

- RBAC2MI - 2 meter cable to bare wire
- RBAC2MM6MI - 2 meter cable to male connector + 6 meter cable to bare wire
- RBAC2MMI - 2 meter cable to male connector (for daisy-chain use with 2MO output cable)
- RBAC15CMI - 15cm cable to male connector (for daisy-chain use with 15CO output cable)
- RBAC2MAC - 2 meter cable to AC Plug
- RBAC6CJ - 6 cm jumper cable

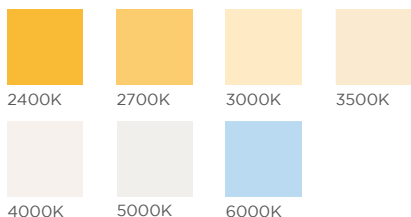
Included Accessories:

Mounting Clip (1 clip per linear foot)

Optional Accessories:

- Waterproof Cable Connector** (Part No.: COUPW683WH) See page 4 for instruction
- MAESTRO 3-wire Dimmer** (Part No.: RBACDIMMAES)
- Diva 3-wire Dimmer** (Part No.: RBACDIMDIVA)
- NOVAT 3-wire Dimmer** (Part No.: RBACDIMNOVAT)
- Phase Adaptive power Module** (Part No.: RBACPHPM1203W)
- 0-10V Adapter** (Part No.: RBACDIM010ADPT)
- Diva 0-10V Dimmer** (Part No.: RBACDIMDIVA010)
- Nova T 0-10V Dimmer** (Part No.: LVDIMNOVA)

AVAILABLE COLOR TEMPERATURES





SPECIFICATIONS / DIMENSIONS / CHANNEL COMPATIBILITY

SPECIFICATIONS		120 V STATIC WHITE DIRECT AC RIBBONLYTE						
Operating Voltage	120 VAC							
Power Consumption	4 W/ft (13.1 W/m)							
Current (mA) - 24V	33 mA/ft (108.2 mA/m)							
LED Pitch	18 LEDs/ft (60 LEDs/m)							
Protection Rating	IP65							
Dimming	Dimmable with Lutron Phase - Adaptive Power Module PHPM - WBX paired with Lutron 3-wire or Lutron 2-wire 0-10V dimmer. Use with 0-10V dimmer requires 0-10V adapter shown on pages 6 and 8							
Ambient Temperature	-4°F -113°F (-20°C - 45°C)							
Color Temperatures	2400K	2700K	3000K	3500K	4000K	5000K	6000K	
Lumens	265.1 lm/ft (869.8 lm/m)	274.5 lm/ft (900.5 lm/m)	291.4 lm/ft (956.0 lm/m)	311.1 lm/ft (1020.8 lm/m)	308.4 lm/ft (1012.0 lm/m)	307.1 lm/ft (1007.7 lm/m)	314.2 lm/ft (1031.0 lm/m)	
MacAdam's Ellipses (SDCM)	2-Step Binning							
LED Beam Angle	120°							
Cutable Length	Every 4 in (101.6 mm)							
CRI - All Color Temp	90+ CRI							
Lumens/Watt	65.2 lm/W	67.6 lm/W	71.2 lm/W	76.6 lm/W	75.6 lm/W	75.2 lm/W	76.2 lm/W	
Cable Length	2 meter Cable to Bare Wire: 6.5 ft (2 m); 2 meter Cable to Male Connector: 6.5 ft (2 m); 6 meter Cable to Bare Wire with Female Connector: 6.5 ft (2 m); 2 meter Cable to Female Connector: 6.5 ft (2 m); 6 meter Cable to Bare Wire with Female Connector: 6.5 ft (2 m); 15 cm Cable to Female Connector: 5.9 in (15 cm); 15 cm Cable to Bare Wire with Female Connector: 5.9 in (15 cm); 2 meter Cable to AC Plug: 6.5 ft (2 m) 6 cm cable molded end cap to molded end cap jumper (2.4")							
Certifications	ETL Listed							
TM-21 Projection - L70 (10K) LED Lifetime	> 60,000 hours at 85° C							

Dimensions	DIRECT AC RIBBONLYTE	MOUNTING CLIP (including 1 clip per foot)
		
Width	0.62 in / 16 mm (end cap and cable grip width: 0.75 in / 20 mm)	0.8 in / 20.32 mm
Length	164 ft (50 m) - max length. Factory cuttable every 4 in (101.6 mm)	0.43 in / 10.92 mm
Height	0.21 in (5.3 mm)	0.48 in / 12.19 mm

GENLED Acolyte® does not warrant or represent that the information is free from errors or omission. The information may change without notice and GENLED Acolyte® is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

DIAGRAMS

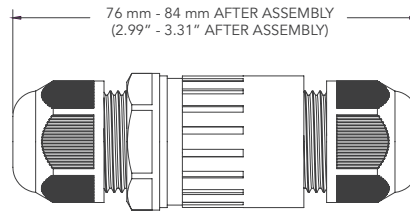
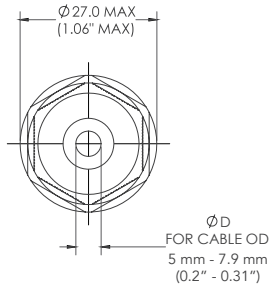
Power Feed Cap & End Cap Dimensions	<p>Top View</p> <p>Side View</p>	<p>Width of End Cap: 1.2 in (30.48 mm) Length of End Cap: 1.2 in (30.48 mm) Height of End Cap: 0.57 in (14.5 mm)</p> <p>Height of RibbonLyte: 0.21 in (5.3 mm) Width of Power Feed Cap: 1.2 in (30.48 mm) Length of Power Feed Cap: 2.5 in (63.5 mm) Height of Power Feed Cap: 0.57 in (14.5 mm)</p>
	<p>Power Feed Option 1</p>	<p>2-meter Direct AC molded end cap to bare wire Part Number: RBAC2MI 2-Meter Cable to Bare Wire: 6.5 ft (2 m)</p>
Power Feed Options	<p>Power Feed Option 2</p> <p>Female Connector (input)</p>	<p>2-meter Direct AC molded end cap to male connector Part Number: RBAC2MMI 2-Meter Cable to Male Connector: 6.5 ft (2 m) Male Connector Length: 1.8 in (45.7 mm) Male Connector Diameter: 0.89 in (22.6 mm)</p> <p>6-meter Direct AC female connector to bare wire Part Number: RBAC6MI Female Connector Length: 2.5 in (63.5 mm) Female Connector Diameter: 0.89 in (22.6 mm) 6-Meter Cable to Bare Wire with Female Connector: 6.5 ft (2 m)</p>
	<p>Power Feed Option 3</p> <p>Male Connector (input)</p>	<p>2-meter Direct AC molded end cap to female connector (for daisy chains) Part Number: RBAC2MFO 2-Meter Cable to Female Connector: 6.5 ft (2 m) Female Connector Length: 2.5 in (63.5 mm) Female Connector Diameter: 0.89 in (22.6 mm)</p> <p>2-meter Direct AC molded end cap to male connector Part Number: RBAC2MMI Male Connector Length: 1.8 in (45.7 mm) Male Connector Diameter: 0.89 in (22.6 mm) 6-Meter Cable to Bare Wire with Female Connector: 6.5 ft (2 m)</p>
	<p>Power Feed Option 4</p> <p>Male Connector (input)</p>	<p>15cm Direct AC molded end cap to female connector (for daisy chains) Part Number: RBAC15CFO 15 cm Cable to Female Connector: 5.9 in (15 cm) Female Connector Length: 2.5 in (63.5 mm) Female Connector Diameter: 0.89 in (22.6 mm)</p> <p>15cm Direct AC molded end cap to male connector Part Number: RBAC15CMI Male Connector Length: 1.8 in (45.7 mm) Male Connector Diameter: 0.89 in (22.6 mm) 15 cm Cable to Bare Wire with Female Connector: 5.9 in (15 cm)</p>
	<p>Power Feed Option 5</p>	<p>2-meter Direct AC molded end cap to AC plug Part Number: RB2MAC 2-Meter Cable to AC Plug: 6.5 ft (2 m) AC Plug Length: 2.48 in (63 mm) AC Plug Width: 1.26 in (32 mm)</p>
	<p>Power Feed Option 6</p>	<p>6 cm cable molded end cap to cable molded end cap jumper Part Number: RBAC6CJ Jumper cable length: 2.4" (6 cm)</p>
	In Channel	<p>Top View in Channel</p>

SPECIFICATIONS

We provide 2m and 8m power feed solutions. If additional length is needed, use the cable coupler.

Part No. : COUPW683WH

Dimensions (Part Number: COUPW683WH)

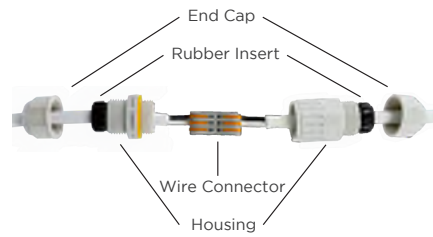


The Connector



Length: 2.99" - 3.31" After Assembly)
Diameter: 1.06" MAX

Exploded View of the Connector



Step 1



Assemble cable from one end of the connector as shown above.

Step 2



Assemble cable from other end of the connector as shown above. Make sure the wires go to their corresponding terminals (e.g. wire color matches to each other).

Step 3



Tighten two housings together and insert the rubber parts at the housing ends.

Step 4



Tighten two end caps.

RIBBONLYTE CHANNEL COMPATIBILITY

CHANNELS	IP65
AC1	
AC2	
AC3	
AC4	✓
AC5	✓
AP1	
AR1	
AR2	
AR3	
AS1	
AS2	
AS3	
AS6	✓
AS20G	
AT4	
AT5	
AT11	
AW35	
B1	
C22	
GL1	
GL2	
ROUND	
W31	✓
WH35	✓

SURFACE MOUNTED CHANNELS

LENS OPTIONS: C - Clear F - Frosted M - Milky



AC4
C, F, M



AC5
C, F, M



AS6
C, F, M



WH35
C, F, M

RECESSED CHANNELS

LENS OPTIONS: C - Clear F - Frosted M - Milky



W31
C, F, M

USAGE GUIDELINES:

- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces exceed the 45° C / 113° F maximum that our product is rated for. High-risk locations like this should be avoided. Avoid direct sunlight.
- This product is not intended to be submerged in pools and fountains and does not carry UL676 certification to do so.
- Please refer to the RibbonLyte Proper Use Guide in our *Application Guide* for more information. Available for download at www.GENLEDBrands.com/Acolyte
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with **GENLED Acolyte**[®] drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-**GENLED Acolyte**[®] supplied Triac, MLV or ELV drivers is not supported or warranted.
- Due to the nature of the product, RibbonLyte cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, RibbonLyte is factory cut at the shorter cuttable point.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.



AVAILABLE CONTROLLERS

LUTRON DIVA 3-WIRE DIMMER



Part No.: RBACDIMDIVA

Width: 2.94 In (75 Mm)
Length: 4.69 In (120 Mm)
Depth: 0.30 In (7.6 Mm)

- Use with Lutron Phase - Adaptive Power Module
- Large paddle switch with a captive linear-slide dimmer
- Available in white finish

* Requires Lutron Adaptive Power Module (Shown Below)

LUTRON NOVA-T 3-WIRE DIMMER



Part No.: RBACDIMNOVAT

Width: 2.75 in (70 mm)
Length: 4.56 in (116 mm)
Depth: 0.30 in (7.6 mm)

- Slide adjusts brightness and On/Off control
- Available in white finish

* Requires Lutron Adaptive Power Module (Shown Below)

LUTRON MAESTRO 3-WIRE DIMMER



Part No.: RBACDIMMAES

Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Use with Lutron Phase Adaptive Power Module
- Large paddle switch with a captive linear-slide dimmer
- Available in white finish

* Requires Lutron Adaptive Power Module (Shown Below)

LUTRON DIVA 0-10V DIMMER



Part No.: RBACDIMDIVA010

Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Large paddle switch with a captive linear-slide dimmer
- Available in white finish

* Requires Lutron Adaptive Power Module and 0-10V Adapter (Both Shown Below)

LUTRON NOVA-T 0-10V DIMMER



Part No.: LVDIMNOVA

Width: 2.75 in (70 mm)
Length: 4.56 in (116 mm)
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V dimming module
- Slide adjusts brightness and on/off control
- Available in white finish

* Requires Lutron Adaptive Power Module and 0-10V Adapter (Both Shown Below)

LUTRON ADAPTIVE POWER MODULE



Part No.: RBACPHPM1203W

Width: 6.30 In (160 Mm)
Length: 5.10 In (130 Mm)
Depth: 2.60 In (62 Mm)

- Use for 3-wire fluorescent dimmers
- Load current capacity up to 16A
- Available in White finish

0-10V ADAPTER



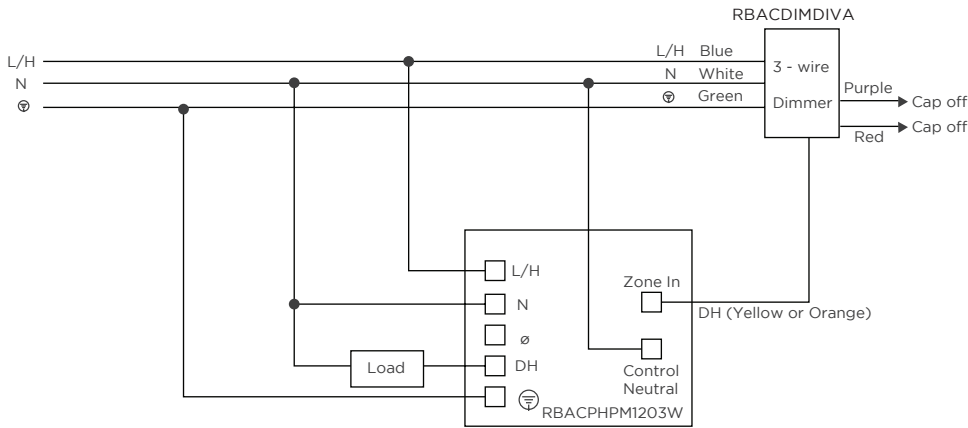
Part No.: RBACDIM010ADPT

Width: 9.51 in (241 mm)
Length: 2.38 in (60 mm)
Height: 1.50 in (38 mm)

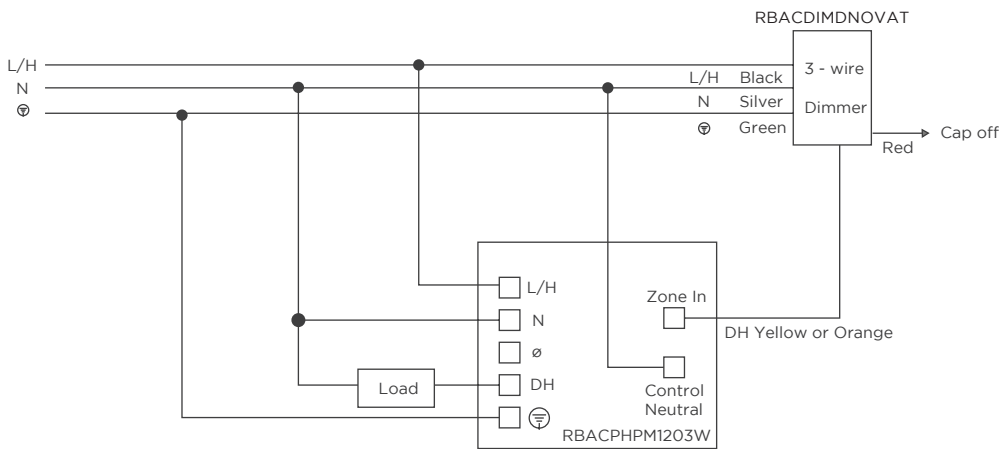
- Capable of interfacing 0-10 V controllers to Lutron 3-wire dimmable ballasts, drivers, or interfaces
- Controls up to 16A of Lutron 3-wire dimmable ballasts, drivers, or interfaces
- Must be used in conjunction with Lutron Adaptive Power Module shown at left and with one of the two 0-10V dimmers shown above

DIMMING SYSTEM WIRING DIAGRAM

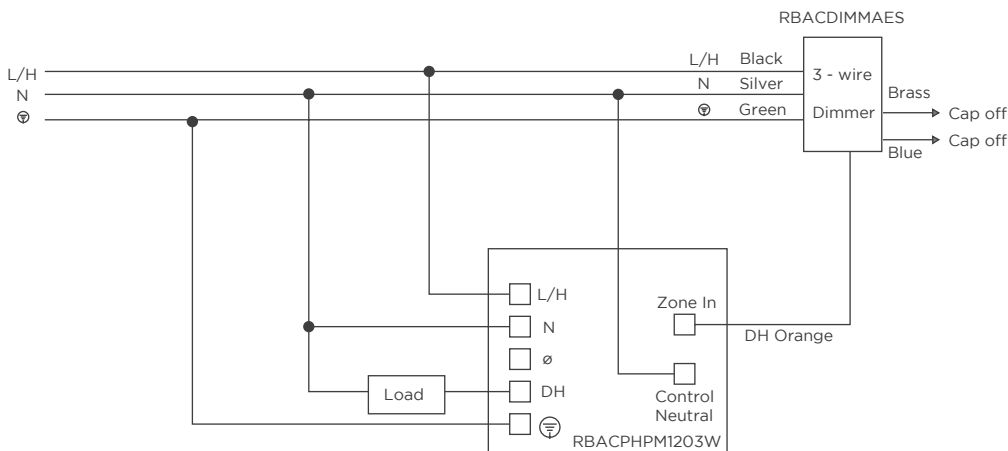
ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE DIVA DIMMER (RBACDIMDIVA)



ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE NOVA T DIMMER (RBACDIMNOVAT)



ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE MAESTRO DIMMER (RBACDIMMAES)



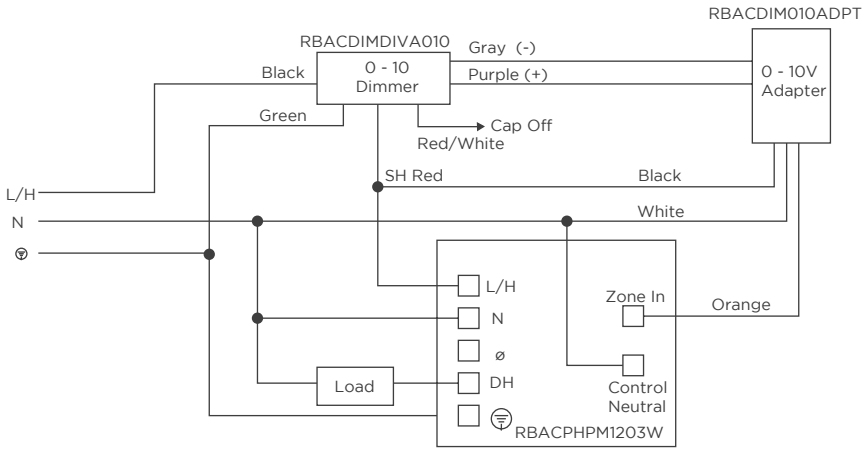
• Please reference Page 6 for more controller details.

LEGEND

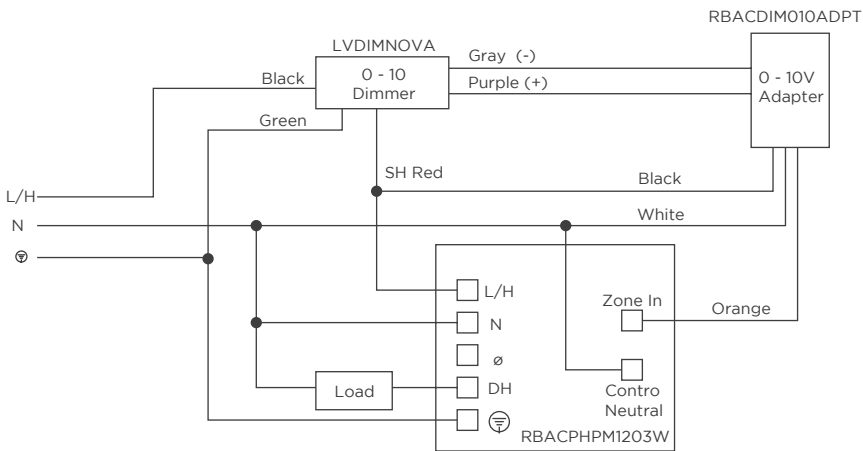
- L/H - Line/Hot
- N - Neutral
- ∅ - Not Used
- DH - Dimmed Hot
- SH - Switched Hot
- ⊕ - Ground

DIMMING SYSTEM WIRING DIAGRAM

ADAPTIVE POWER MODULE (RBACPHPM1203W) CONTROL FROM 0-10 DIMMER (RBACDIMDIVA010) THROUGH A 0-10V ADAPTER (RBACDIM010ADPT)



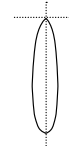
ADAPTIVE POWER MODULE (RBACPHPM1203W) CONTROL FROM 0-10V DIMMER (LVDIMNOVA) THROUGH A 0-10V ADAPTER (RBACDIM010ADPT)



• Please reference Page 6 for more controller details.

LEGEND

- L/H - Line/Hot
- N - Neutral
- ∅ - Not Used
- DH - Dimmed Hot
- SH - Switched Hot
- ⊕ - Ground



High Center Beam Wall Mount Cylinder 2"

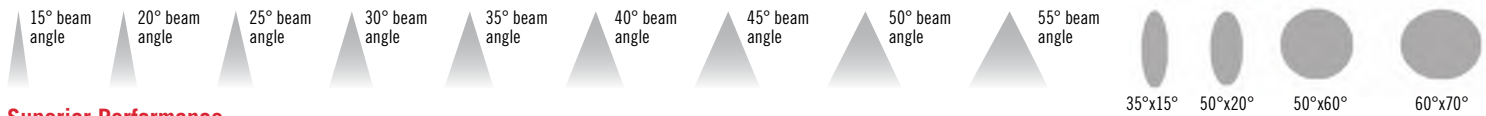


OVERVIEW

Feature Set

- Thirteen optimized distribution patterns allow designers to achieve tailored objectives
- Bounding Ray™ optical design
- 50° Cutoff to source and source image
- Field interchangeable optic
- Driver and LED light engine fully serviceable from below ceiling
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling (WL option)
- ENERGY STAR® Certified product
- 20 standard colors in textured and gloss finish; custom or RAL colors also available

Distribution



Superior Performance

Nominal lumens	250	500	750	1000	1500	2000
Delivered	263	560	859	1177	1764	2227
Wattage	3.1	5.6	8.7	12.0	19.8	28.6
Efficacy	85	100	99	98	89	78

*Based on 3500K 80CRI 15D AR LSS

COMPLEMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
Healthcare	MRI	Surgical Suite	Patient Room					
Special Applications	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		

ORDERING INFORMATION

A+ Capable options indicated by this color background.



Design2Ship Quick Ship Program: Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details. **Maximum Order Quantity: 50 units.**

Luminaire Type:

Catalog Number:

EXAMPLE: IC02WC 35/10 AR LSS 20D MVOLT UGZ RGH DWHG

Series	Color Temperature	Lumens	Reflector Color	Reflector Finish	Beam
IC02WC Incito 2in Round Wall Mount Cylinder Open Downlight	27/ 2700 K	02 250 lumens	AR Clear	LSS Semi-specular	15D 15° beam angle
	30/ 3000 K	05 500 lumens	PR Pewter	LD Matte diffuse	20D 20° beam angle
	35/ 3500 K	07 750 lumens	WTR Wheat		25D 25° beam angle
	40/ 4000 K	10 1000 lumens	GR Gold		30D 30° beam angle
	50/1 5000 K	15 1500 lumens	WR ² White painted		35D 35° beam angle
		20 2000 lumens	BR ² Black		40D 40° beam angle
			BZR ² Dark Bronze painted		45D 45° beam angle
					50D 50° beam angle
					55D 55° beam angle
					3515D Elliptical 35° x 15° beam angle
				5020D Elliptical 50° x 20° beam angle	
				5060D Elliptical 50° x 60° beam angle	
				6070D Elliptical 60° x 70° beam angle	

Voltage	Driver	Mounting	Control Interface ⁵
MVOLT 120V - 277V 120 120V 277 277V	UGZ ³ Universal dimming to 1% (0-10V, 120V TRIAC or ELV)	RGH ⁴ Recessed Gear Housing SGB Surface Gear Box	(blank) NLT nLight® dimming pack. NLTER ⁶ nLight® dimming pack for fixtures on emergency circuit NLTAIR2 nLight® AIR dimming pack. NLTAIRER2 ⁶ nLight® AIR dimming pack for fixtures on emergency circuit NLTAIREM2 nLight® AIR dimming pack for fixtures on emergency circuit

Options	Architectural Colors - Powder Paint ⁹																				
90CRI ¹ High CRI (90+) N80 ⁷ nLight Lumen Compensation WL ⁸ Wet Location	<table border="0"> <tr> <td>DDB Gloss Dark Bronze</td> <td>DBBT Textured Dark Bronze</td> </tr> <tr> <td>DBL Gloss Black</td> <td>DBLB Matte Black</td> </tr> <tr> <td>DWH Gloss White</td> <td>DWHG Textured White</td> </tr> <tr> <td>DMB Gloss Medium Bronze</td> <td>DBNH Textured Bronze</td> </tr> <tr> <td>DNA Gloss Natural Aluminum</td> <td>DNAT Textured Natural Aluminum</td> </tr> <tr> <td>DSS Gloss Sandstone</td> <td>DSST Textured Sandstone</td> </tr> <tr> <td>DGC Gloss Charcoal Grey</td> <td>DSPD Textured Dark Grey</td> </tr> <tr> <td>DTG Gloss Tennis Green</td> <td>DSPE Textured Green</td> </tr> <tr> <td>DBR Gloss Bright Red</td> <td>DSPH Textured Light Red</td> </tr> <tr> <td>DSB Gloss Steel Blue</td> <td>DWHAMF Gloss White with Anti-microbial finish</td> </tr> </table>	DDB Gloss Dark Bronze	DBBT Textured Dark Bronze	DBL Gloss Black	DBLB Matte Black	DWH Gloss White	DWHG Textured White	DMB Gloss Medium Bronze	DBNH Textured Bronze	DNA Gloss Natural Aluminum	DNAT Textured Natural Aluminum	DSS Gloss Sandstone	DSST Textured Sandstone	DGC Gloss Charcoal Grey	DSPD Textured Dark Grey	DTG Gloss Tennis Green	DSPE Textured Green	DBR Gloss Bright Red	DSPH Textured Light Red	DSB Gloss Steel Blue	DWHAMF Gloss White with Anti-microbial finish
DDB Gloss Dark Bronze	DBBT Textured Dark Bronze																				
DBL Gloss Black	DBLB Matte Black																				
DWH Gloss White	DWHG Textured White																				
DMB Gloss Medium Bronze	DBNH Textured Bronze																				
DNA Gloss Natural Aluminum	DNAT Textured Natural Aluminum																				
DSS Gloss Sandstone	DSST Textured Sandstone																				
DGC Gloss Charcoal Grey	DSPD Textured Dark Grey																				
DTG Gloss Tennis Green	DSPE Textured Green																				
DBR Gloss Bright Red	DSPH Textured Light Red																				
DSB Gloss Steel Blue	DWHAMF Gloss White with Anti-microbial finish																				

ACCESSORIES — order as separate catalog numbers (shipped separately)

IC02OPTC XXD	Additional optics for field installation. Replace "XX" with beam angle.
IC02OPTC KIT	Kit including a field interchangeable optic for each of the 13 preset beam distribution patterns
HS234FL	Hole saw for RGH option
SDT 347/120 75VA	347V/120V, 75VA step down transformer. Must be remote mounted.

ORDERING NOTES

- 5000K CCT not available with 90CRI.
- Not available with Reflector Finish.
- Refer to [Tech 240](#) for compatible dimmers.
- RGH with 2000LM option requires 120 or 277 (non-IC).
- Field installed. Access required to location of remote mounted device.
- ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- Requires NLT or NLTER.
- Must be mounted in down orientation in wet location applications.
- For details on RAL and Custom colors please see [Architectural colors](#).

Optical and Trim Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling. Optical design is a Bounding Ray™ design with 50° cutoff to source and source image. Top down flash characteristic for superior glare control. Superior 100% Virgin-silicone refractive optic, enables maximum dimensional stability and optical transmission with no discoloration over life. Field inter-changeable optics.

Electrical

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Support 347V via remote-mounted stepdown transformer. The fluctuations of line voltage shall have no visible effect on the luminous output. The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output. Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages. THD @ Full Load is >20%. Inrush current meets NEMA-410 requirements. Surge Protection +/- 1kV DM, +/- 2kV CM.

Controls

Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 1.0% of rated lumen output with a smooth shut off function to step to 0%. Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Surface Gear Box (SGB) for direct installation to 4" recessed or surface octagonal (by others). Recessed Gear Housing (RGH) ships with driver box for recessed or surface installation. Die cast with flangeless reflector allows flow-through passive thermal management. Accommodates between 3/8" to 3"-thick ceilings.

Listings

Fixtures are UL Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. ENERGY STAR® Certified product. RGH option is IC rated up to 1500LM. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours. Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.910
	3000K	0.946
	3500K	1.000
	4000K	1.027
	5000K	1.054
90	2700K	0.784
	3000K	0.847
	3500K	0.874
	4000K	0.946

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LSS - Semi Specular	1.00
LD - Matte Diffuse	0.98
Reflector Color	Multiplier
WR - White	0.98
BR - Black	0.92
BZR - Bronze	0.91
AR - Clear	1.00
GR - Gold	0.99
PR - Pewter	0.99
WTR - Wheat	0.98

Driver		Control Provided				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIREM2	NLTAIRER2
UGZ	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V EM G2	RPP20 D 24V ER G2

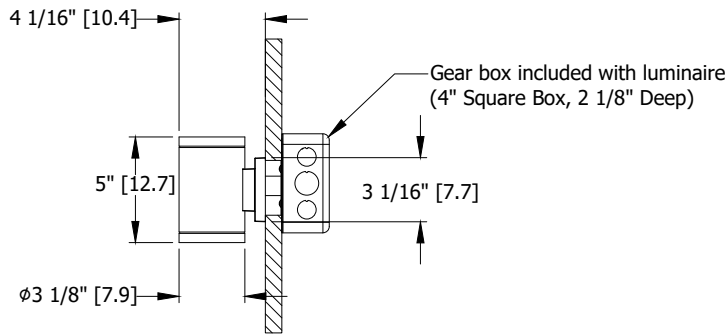
J-box Compatibility Matrix		Cylinder Configurations	
		SGB	RGH
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep (by others)	✓	✗
	4" Octagonal 4x4x2.125 deep (by others)	✓	✗
	Factory Provided Gear Box (4" Square 4x4x1.5 deep)	✗	✓

Standard Architectural Color Options for Cylinder Bodies



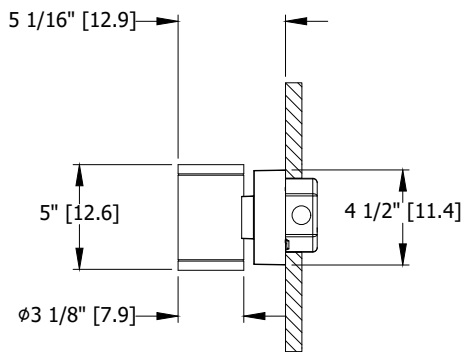
NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please always contact a Gotham representative for an accurate paint chip sample.

RGH - Recessed Gear Housing

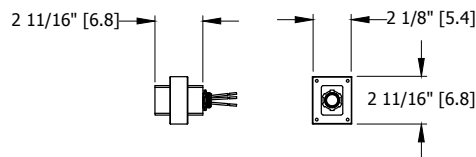


Wall cutout: $\phi 2 \frac{3}{4}$ " [7]
 Wall thickness range: $\frac{1}{2}$ " [1.3] to 3" [7.6]
 Luminaire can be mounted as uplight or downlight

SGB - Surface Gear Box



347V Transformer



347 Transformer:
 Install to accessible
 junction box by others

*Dimensions in inches [centimeters]

DIMENSIONAL DATA

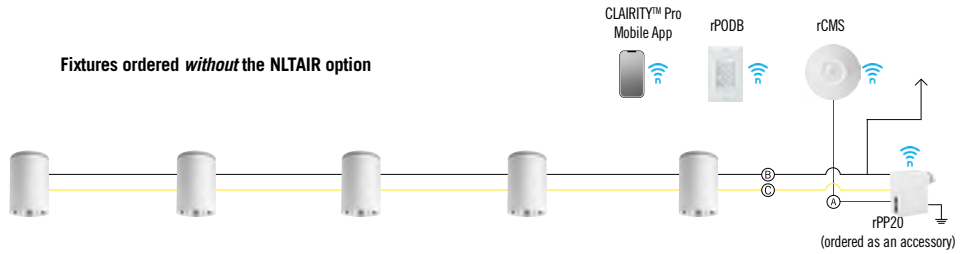
CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY

Photometry

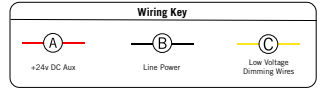
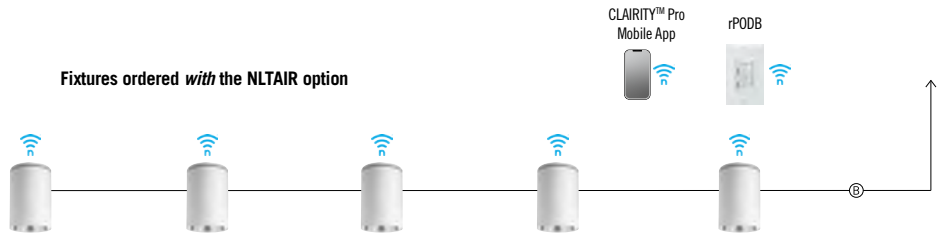
nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

Possibilities for nLight® AIR

Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option



nLight® AIR Control Accessories

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

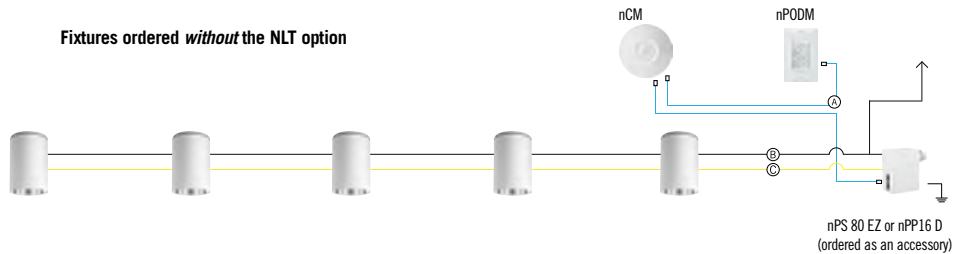
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

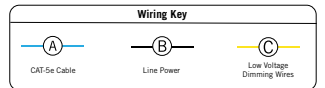
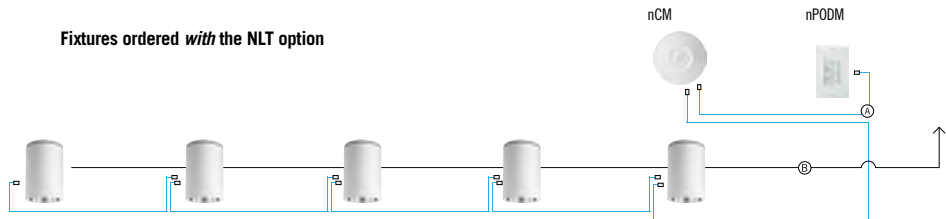
nLight® Wired The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Possibilities for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option



nLight® Wired Control Accessories

Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (XX)
On/Off two pole	nPODM 2P (XX)
On/Off & raise/lower single pole	nPOD DX (XX)
On/Off & raise/lower two pole	nPODM 2P DX (XX)
Graphic touchscreen	nPOD GFX (XX)

Photocell Controls

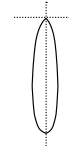
Dimming	nCM ADCX
---------	----------

nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)

10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1



High Center Beam Wall Mount Cylinder

4"

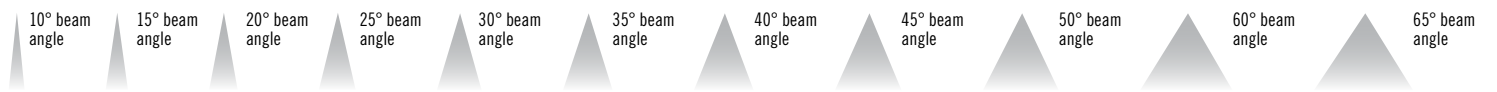


OVERVIEW

Feature Set

- Eleven optimized distribution patterns allow designers to achieve tailored objectives
- Bounding Ray™ optical design
- 45° cutoff to source and source image
- Fully serviceable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are damp location standard; wet location option (WL)
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field configurable surface junction box conduit covers available
- ENERGY STAR® Certified product

Distribution



Superior Performance

Nominal Lumens	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
Delivered	703	807	1062	1545	1977	2419	2920	3548	3982	4419	4848
Wattage	6.7	7.5	9.8	15.1	21.5	26.5	34.1	33.8	39.5	46.2	53.2
Efficacy	104	108	108	102	92	91	86	105	101	96	91

COMPLEMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO




High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

								Core	
Downlight	Open Wallwash	Lensed Wallwash	Cylinder	Downlight	Adjustable	Lensed Wallwash	Cylinder		
									Healthcare
MRI	Surgical Suite	Patient Room						Special Applications	
Dynamic	Food Service	Vandal	Clean Room	Shower					

 A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: IC04WC 35/15 AR LSS 35D MVOLT EZ1 JBX DN DWHG

Series	Color Temperature	Lumens	Reflector Color	Reflector Finish	Beam	Voltage
IC04WC Incito 4in Wall Mount Round Cylinder Open Downlight	27/ 2700 K	02 250 lumens	AR Clear	LSS Semi-specular	10D ² 10° beam angle	MVOLT 120V - 277V
	30/ 3000 K	05 500 lumens	PR Pewter	LD Matte diffuse	15D 15° beam angle	120 120V
	35/ 3500 K	07 750 lumens	WTR Wheat	LS Specular	20D 20° beam angle	277 277V
	40/ 4000 K	10 1000 lumens	GR Gold		25D 25° beam angle	347 ³ 347V
	50/ 5000 K	15 1500 lumens	WR ¹ White painted		30D 30° beam angle	
		20 2000 lumens	BR ¹ Black		35D 35° beam angle	
		25 2500 lumens	WRAMF ¹ White anti-microbial		40D 40° beam angle	
		30 3000 lumens	BZR ¹ Dark Bronze painted		45D 45° beam angle	
		35 3500 lumens			50D 50° beam angle	
		40 4000 lumens			60D 60° beam angle	
		45 4500 lumens			65D 65° beam angle	
		50 5000 lumens				

Driver ⁴	Mounting	Fixture Orientation
GZ10 0-10V driver dims to 10%	JBX Integral driver, Recessed or Surface J-box	DN Mounted with reflector pointing down UP ⁷ Mounted with reflector pointing up
GZ1 0-10V driver dims to 1%		
EZ10 eldoLED 0-10V ECOdrive. Linear dimming to 10% min.		
EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min.		
EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.		
EDAB ⁶ eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.		
EDXB ^{5,6} eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM; Max: 4000LM.		
ECOS2 ⁶ Lutron® Hi-Lume® 2-wire forward-phase driver. 120V Only. Minimum dimming level 1%. Min: 1000LM; Max: 2000LM.		
ECOD ⁶ Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Min: 500LM; Max: 750LM.		

Control Interface ⁸	Options	Architectural Colors - Powder Paint ¹²	
(blank) No controls	SF Single fuse. Specify 120V or 277V.	DDB Gloss Dark Bronze	DDBT Textured Dark Bronze
NLT nLight® dimming pack.	90CRI High CRI (90+)	DBL Gloss Black	DBLB Matte Black
NLTER ⁹ nLight® dimming pack for fixtures on emergency circuit	N80 nLight Lumen Compensation	DWH Gloss White	DWHG Textured White
NLTAIR2 nLight® AIR dimming pack.	HAO ¹⁰ HAO High Ambient Option (40°C)	DMB Gloss Medium Bronze	DBNH Textured Bronze
NLTAIRER2 ⁹ nLight® AIR dimming pack for fixtures on emergency circuit	WL ¹¹ Wet Location	DNA Gloss Natural Aluminum	DNAT Textured Natural Aluminum
		DSS Gloss Sandstone	DSST Textured Sandstone
		DGC Gloss Charcoal Grey	DSPD Textured Dark Grey
		DTG Gloss Tennis Green	DSPE Textured Green
		DBR Gloss Bright Red	DSPH Textured Light Red
		DSB Gloss Steel Blue	DWHAMF Gloss White with Anti-microbial finish

ACCESSORIES — order as separate catalog numbers (shipped separately)

OPTC4 XXD Additional optics for field installation. Replace "XX" with beam angle.

ORDERING NOTES

- Not Available with Finishes.
- Only available 1500lm and below.
- Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.
- Refer to [Tech 240](#) for compatible dimmers.
- Includes terminator resistor.
- Not Available with Control Interfaces.
- For indoor, damp location use only.
- Field installed. Access required to location of remote mounted device.
- For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Only available up to 2500 lumens; not available with WL or ECOS2.
- Not available with UP. Max: 2500LM.
- For details on RAL and Custom colors please see [Architectural colors](#)

Optical Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling. Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top down flash characteristic for superior glare control.

Electrical

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Support 347V via remote-mounted stepdown transformer. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum solid copper.

Controls

Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

Emergency

Luminaires supplied with a battery pack comply with NFPA 101 (Life Safety code) and deliver constant light output throughout the 90 minutes of code required emergency operation period when there is a normal AC power loss.

Luminaires equipped with a generator transfer device work in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Heaving-gauge aluminum construction.

Extruded body with flangeless reflector allows flow-through passive thermal management.

Surface ceiling mount for direct installation to 4" recessed or surface octagonal junction box.

Optional field configurable conduit covers available. Conduit covers match cylinder in finish and diameter.

Wall mount can be oriented in up or down position. For wet location, specify WLL for lens.

Listings

Fixtures are CSA Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, damp location standard; wet location options available open under covered ceiling (WL) or lensed (WLL).

Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

ICO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic*	Linear
EDXB	<1%	Square	Linear

*Changable through DALI controller

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.916
	3000K	0.948
	3500K	1
	4000K	1.032
	5000K	1.1
90	2700K	0.748
	3000K	0.8
	3500K	0.838
	4000K	0.845
	5000K	0.945

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73
BZR - Bronze	0.73

Control Provided (note: 347V/UVOLT versions provided with 347 option selected)					
Driver		NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

J-box Compatibility Matrix		Cylinder Configurations	
		JBX	JBX w/EDXB Driver
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep"	✓	✗
	4" Octagonal 4x4x2.125 deep	✓	✓
	4" Square 4x4x1.5 deep	✓	✗

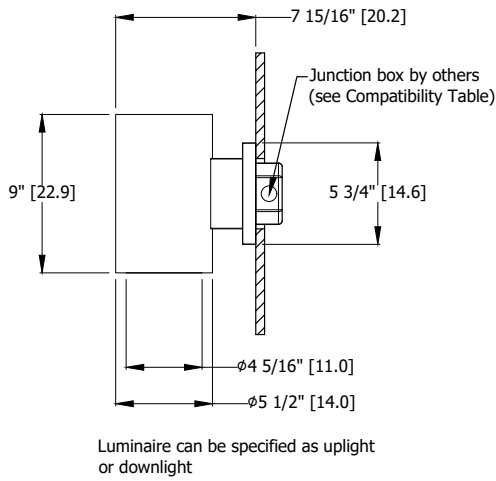
Standard Architectural Color Options for Cylinder Bodies

 DSS LITHONIA P12 Sandstone	 DSST TEXTURED P90 Sandstone	 DBR LITHONIA P34 Bright Red	 DSPH TEXTURED P80 Light Red	 DMB LITHONIA P11 Medium Bronze	 DBNH TEXTURED P74 Bronze	 DTG LITHONIA P33 Tennis Green	 DSPE TEXTURED P78 Green
 DSB LITHONIA P49 Steel Blue	 DNA LITHONIA P07 Natural Aluminum	 DNAT TEXTURED P89 Natural Aluminum	 DGC LITHONIA P32 Charcoal Gray	 DSPD TEXTURED P77 Dark Grey	 DDB LITHONIA P50 Dark Bronze	 DDBT TEXTURED P88 Dark Bronze	 DBL LITHONIA P13 Black
 DBLB TEXTURED P75 Black	 DWH LITHONIA P21 White	 DWHG TEXTURED P86 White					

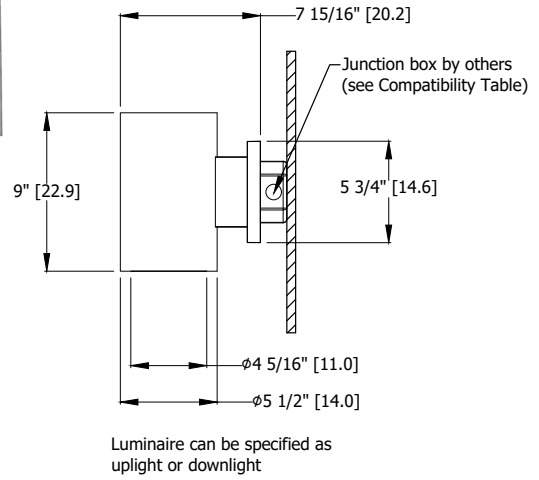
NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please always contact a Gotham representative for an accurate paint chip sample.

DIMENSIONAL DATA

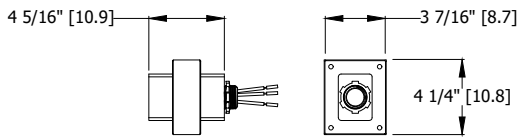
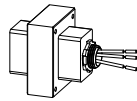
JBX Recessed J-Box



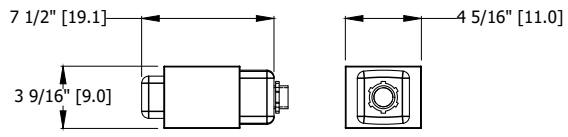
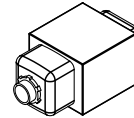
JBX Surface J-Box



347V Stepdown Transformer

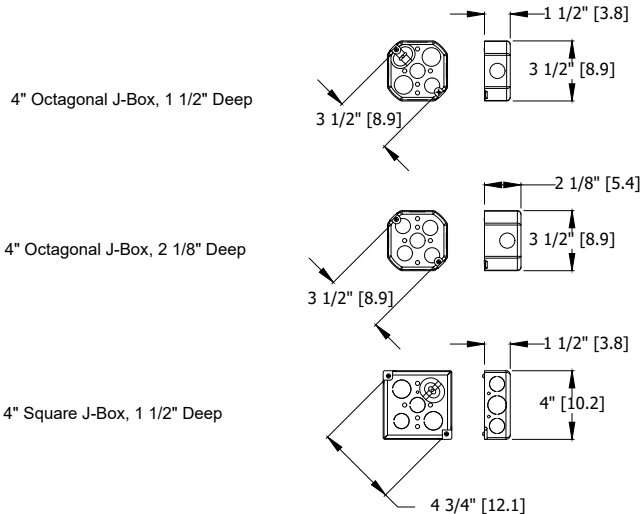


347 Transformer:
Up to 6000LM
Install to accessible
junction box by others



347 Transformer:
8000LM and up
Install to accessible
junction box by others

Junction Box Dimensions (by others)



*Dimensions in inches [centimeters]

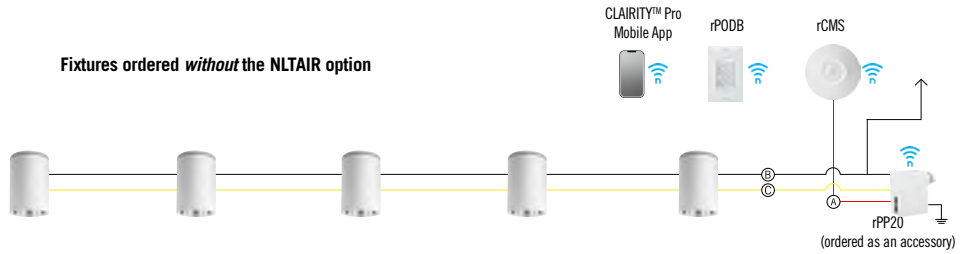
Consult product webpage at WWW.GOTHAMLIGHTING.COM or WWW.ACUIYBRANDS.COM

Photometry

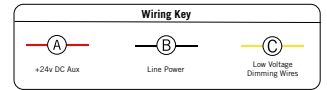
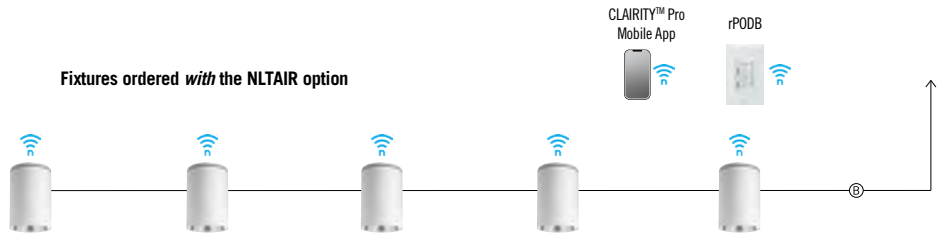
nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

Possibilities for nLight® AIR

Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option



nLight® AIR Control Accessories

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

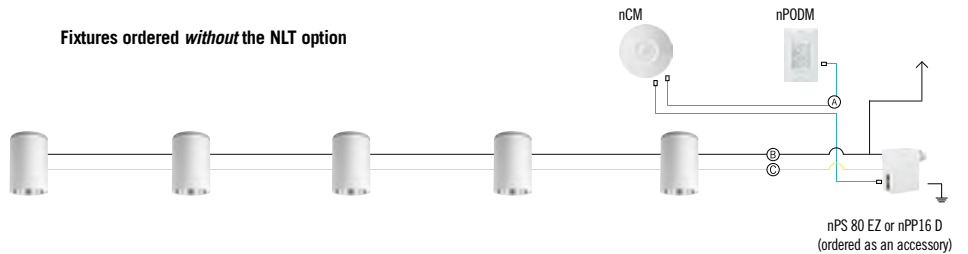
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

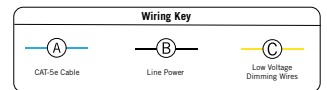
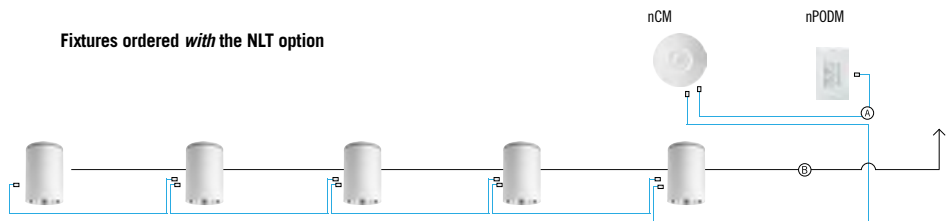
nLight® Wired The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Possibilities for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option



nLight® Wired Control Accessories

Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (XX)
On/Off two pole	nPODM 2P (XX)
On/Off & raise/lower single pole	nPOD DX (XX)
On/Off & raise/lower two pole	nPODM 2P DX (XX)
Graphic touchscreen	nPOD GFX (XX)

Photocell Controls	Model Number
Dimming	nCM ADCX

nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)	Model Number
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1



WEDGE1 LED

Architectural Wall Sconce



Catalog Number

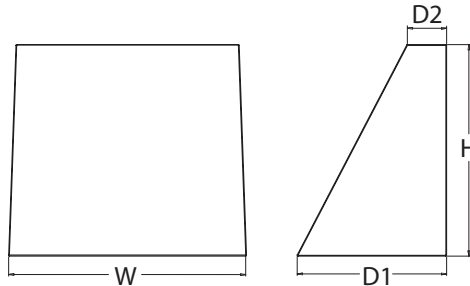
Notes

Type

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

Specifications

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: 9 lbs
 (without options)



Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WEDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WEDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WEDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE1 LED	P1 P2	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K ¹ 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347 ²	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁵ Shipped separately AWS 3/8inch Architectural wall spacer BBW Surface-mounted back box PBBW Premium surface-mounted back box (top, left, right conduit entry)

Options	Finish
E4WH ³ Emergency battery backup, CEC compliant (4W, 0°C min)	DDBXD Dark bronze
PE ⁴ Photocell, Button Type	DBLXD Black
DS Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)	DNAXD Natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD White
BCE Bottom conduit entry for premium back box (PBBW). Total of 4 entry points.	DSSXD Sandstone
	DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U	WEDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE1PBBW DDBXD U	WEDGE1 Premium surface-mounted back box (specify finish)
WSBBW DDBXD U	Surface - mounted back box (specify finish)

NOTES

- 50K not available in 90CRI.
- 347V not available with E4WH, DS or PE.
- E4WH not available with PE or DS.
- PE not available with DS.
- Not qualified for DLC. Not available with E4WH.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 © 2019-2020 Acuity Brands Lighting, Inc. All rights reserved.

WEDGE1 LED
 Rev. 04/15/20

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

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	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

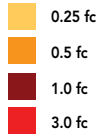
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91

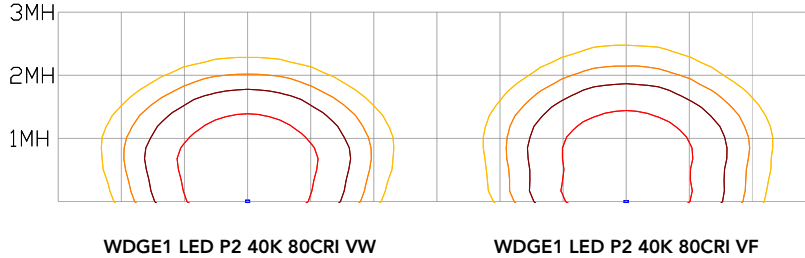
Photometric Diagrams

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

LEGEND



MH = 8ft
Grid = 8ft x 8ft



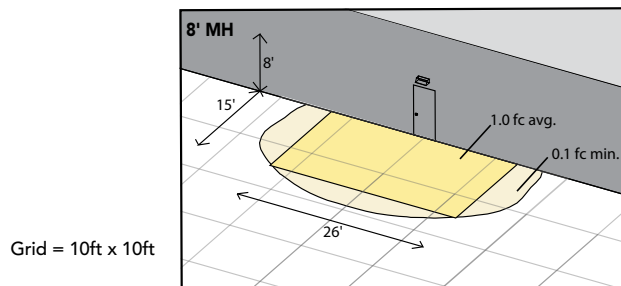
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.

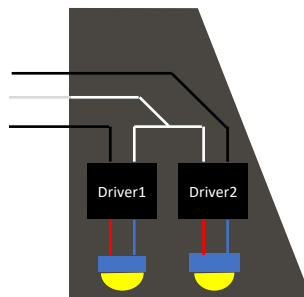


WDGE1 LED xx 40K 80CRI VF MVOLT E4WH

Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





E4WH – 4W Emergency Battery Backup

D = 5.5"

H = 8"

W = 9"



PBBW – Premium Back Box

D = 1.75"

H = 8"

W = 9"



BBW – Standard Back Box

D = 1.5"

H = 4"

W = 5.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.



WEDGE2 LED

Architectural Wall Sconce



Catalog Number

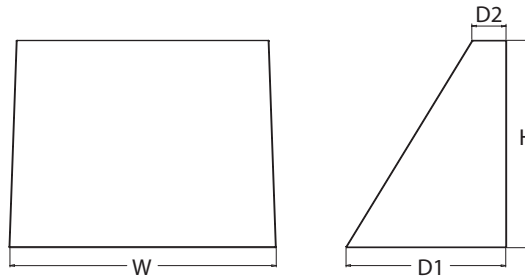
Notes

Type

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

Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs
(without options)



Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WEDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WEDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	
WEDGE2 LED	P1 ¹	P1SW	27K 2700K	80CRI	MVOLT	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ²	
	P2 ¹	P2SW	30K 3000K	90CRI			347 ³
	P3 ¹	P3SW	35K 3500K		480 ³		Shipped separately AWS 3/8inch Architectural wall spacer BBW Surface-mounted back box PBBW Premium surface-mounted back box (top, left, right conduit entry)
	P4 ¹	Door with small window (SW) is required to accommodate sensors. See page 2 for more details.		40K 4000K			
	P5 ¹			50K ² 5000K			

Options	Finish
E4WH Emergency battery backup, CEC compliant (4W, 0°C min) E10WH Emergency battery backup, CEC compliant (10W, 5°C min) E20WC Emergency battery backup, CEC compliant (18W, -20°C min) PE⁴ Photocell, Button Type DS⁵ Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) DMG⁶ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) BCE Bottom conduit entry for premium back box (PBBW). Total of 4 entry points.	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DBBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone
Standalone Sensors/Controls (only available with P1SW, P2SW & P3SW) PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. Networked Sensors/Controls (only available with P1SW, P2SW & P3SW) NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality	



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 © 2019-2020 Acuity Brands Lighting, Inc. All rights reserved.

WEDGE2 LED
 Rev. 04/15/20

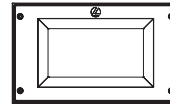
Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2P8BW DDBXD U	WDGE2 Premium surface-mounted back box (specify finish)
WSBBW DDBXD U	Surface - mounted back box (specify finish)

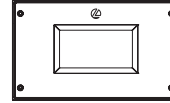
NOTES

- P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 50K not available in 90CRI
- 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- PE not available in 480V or with sensors/controls
- DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- DMG option not available with sensors/controls
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls



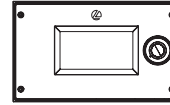
Default configuration with no sensors/controls.

Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration

Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls

Power Packages: P1SW, P2SW, P3SW

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,256	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	--	0.046	0.033
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	--	0.056	0.041
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	--	0.079	0.058
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	--	0.115	0.086
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	--	0.157	0.119

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647
E10WH	VF	1,658
	VW	1,701
E20WC	VF	2,840
	VW	2,913

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	Lumen Multiplier	
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 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	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



COMMERCIAL OUTDOOR

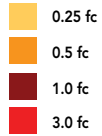
One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2019-2020 Acuity Brands Lighting, Inc. All rights reserved.

WDGE2 LED
Rev. 04/15/20

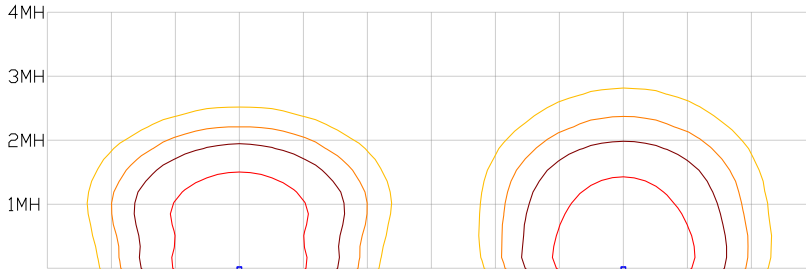
Photometric Diagrams

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

LEGEND



MH = 10ft
Grid = 10ft x 10ft



WDGE2 LED P3 40K 80CRI VW

WDGE2 LED P3 40K 80CRI VF

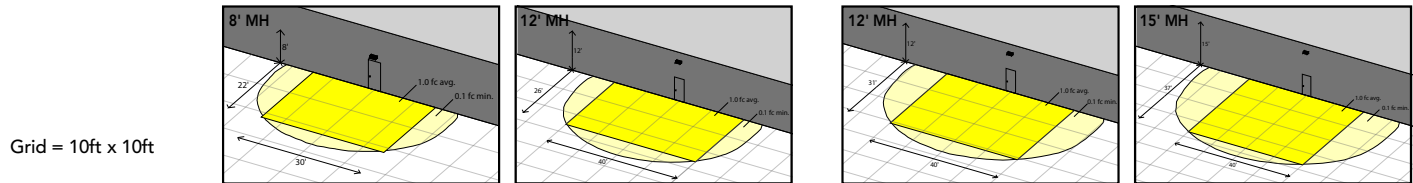
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



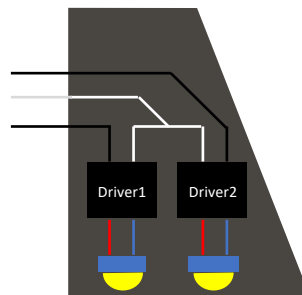
WDGE2 LED xx 40K 80CRI VF MVOLT E10WH

WDGE2 LED xx 40K 80CRI VF MVOLT E20WC

Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

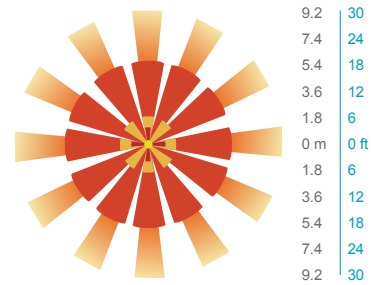
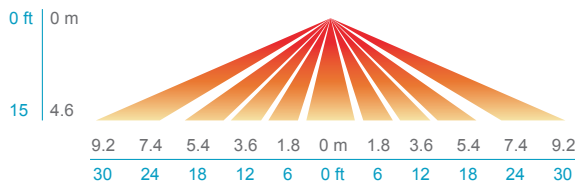
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

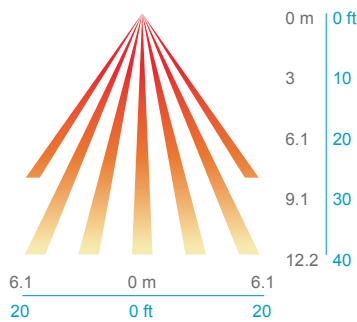
PIR

HIGH VIEW

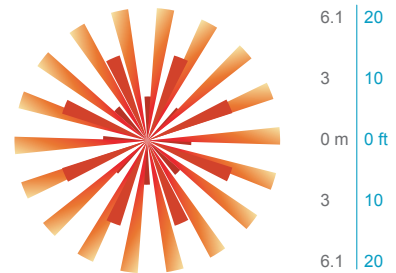


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



**NLTAIR2 PIR – nLight AIR
Motion/Ambient Sensor**

D = 7"
H = 11"
W = 11.5"



PBBW – Premium Back Box

D = 1.75"
H = 9"
W = 11.5"



BBW – Standard Back Box

D = 1.5"
H = 4"
W = 5.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.