



ARKUS

ARKUS RING SERIES | SUSPENDED

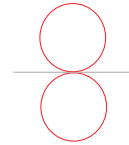
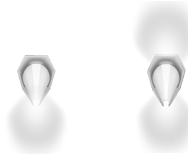


SPECIFICATIONS

PROFILE	Organic and Modern Styles
SIZES	2ft - 4ft diameter
LED OUTPUT	Direct: up to 6686lm Indirect: up to 9409lm
CCT/CRI	2700K/3000K/3500K/4000K • 80 or 90+ CRI
DIMMING/ DRIVER	Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®, PoE (Molex, NuLEDs, WTEC Smartengine). Dimming to 0% for select models.
EMBEDDED CONTROLS	Acuity nLight, Avi-on, Casambi, Cooper Wavelinx, Encelium, Enlighted, Lutron Athena, Lutron Vive, NX Controls, Wattstopper, and more.
POWER	13W - 16W per ring
INPUT	120VAC, 277VAC, or 347VAC
LENS	IW (Infinity Wave Technology)™
OPTICS	Lambertian
FINISHES	16 standard finishes, Custom finishes and two-tone available
SUSTAINABILITY	Living Building Challenge Declared
MATERIAL	6063-T6 Extruded Aluminum
ENVIRONMENT	Dry or damp locations
WARRANTY	5 years

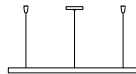
DISTRIBUTIONS & PROFILES

DIRECT OR BIDIRECTIONAL

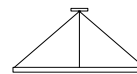


LAMBERTIAN

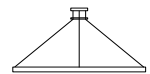
STANDARD
SUSPENSION



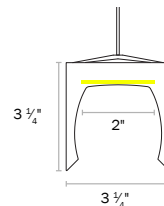
CENTRAL AXIS
SUSPENSION



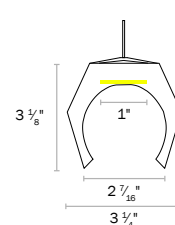
CENTRAL COLLARED
SUSPENSION



MODERN



ORGANIC



Not to scale. Dimensions are nominal. Consult factory for CAD drawing



Declare.



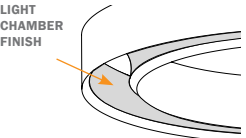
PRODUCT SPECIFICATION SHEET


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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EXAMPLE: ARKRM3BSSIW — 4 — SW — 303090SLV00 — 30309SLV00 — SB — B04 — 1C — UNV — N — N — DC

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

1. FAMILY (CHOOSE 1)	2. SIZE (CHOOSE 1)	3. MODEL (CHOOSE 1)	4. MOUNTING (CHOOSE 1)
ARKR Arkus Ring Series	M3 Modern Remote (3") O2 Organic Remote (2")	D Direct Only B Bidirectional	SP Standard Suspension CA Central Axis Suspension CC Central Collared Suspension

5. LENS TYPE	6. SIZE* (CHOOSE 1)	7. LIGHT CHAMBER FINISH (CHOOSE 1)	8. LUMENS - DIRECT* (CHOOSE 1 FOR EACH)
IW Infinity Wave Technology™	2 2' (24") 3 3' (36") 4 4' (48") *Dimensions refer to ring outer diameter	SW <input type="checkbox"/> Satin White (Standard) SB ¹ <input checked="" type="checkbox"/> Satin Black (Low Glare) ¹ Light chamber for all fixtures is SW standard requested. Choose SB for low glare option with reduced light levels, see performance details. 	BLACK LIGHT CHAMBER ONLY 15 ² 150lm/ft 25 ² 250lm/ft WHITE LIGHT CHAMBER ONLY 17 ² 175lm/ft 25 ² 250lm/ft 30 300lm/ft 37 375lm/ft 45 ³ 450lm/ft 52 ³ 525lm/ft CM / <u> </u> ⁴ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/ft). ² For delivered lumens and watts, see 'Performance Details' ³ Available with Organic model only ⁴ Available with Modern model only ⁵ Custom lumens available from 100 - 525lm/ft

9. CCT - DIRECT (CHOOSE 1)	10. CRI - DIRECT	11. OPTICS - DIRECT	12. DRIVER - DIRECT* (CHOOSE 1)
27 2700K 30 3000K 35 3500K 40 4000K	90 90 CRI 80 80 CRI	SL Standard Lambertian 	V00 0-10V, dim to 0% V01 0-10V, dim to 1% LDE Lutron LDE1 Ecosystem, dim to 1% P01 ⁵ ELV/TRIAC phase dim to 1% ELO eldoLED, 0-10V dim to 0% DAL DALI, dim to 0% DMX DMX, dim to 0% POE ⁶ POE Ready CM ⁷ Custom driver ⁵ See 'Driver' and lamping charts for driver details. ⁶ Phase dim drivers are 120 VAC only ⁷ Contact ALW with the POE spec details ⁸ Contact ALW for custom driver specifications

13. LUMENS - INDIRECT* (CHOOSE 1 FOR EACH)	14. CCT - INDIRECT (CHOOSE 1)	15. CRI - INDIRECT	16. OPTICS - INDIRECT
N No Indirect Lighting 30 300lm/ft 40 400lm/ft 50 500lm/ft 65 650lm/ft 75 ⁸ 750lm/ft CM / <u> </u> ⁹ Custom Lumens. Write in your lumens/ft (ex: 0100 = 100lm/ft)	N No Indirect Lighting 27 2700K 30 3000K 35 3500K 40 4000K	N No Indirect Lighting 90 90 CRI 80 80 CRI	N No Indirect Lighting SL Standard Lambertian

¹For delivered lumens and watts, see 'Performance Details'
²Available with Modern model only
³Custom lumens available from 100 - 750lm/ft

CONTINUES ON NEXT PAGE

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PRODUCT SPECIFICATION SHEET CONT'D

EXAMPLE: ARKRM3BSSIW — 4 — SW — 303090SLV00 — 303090SLV00 — SB — B04 — 1C — UNV — N — N — DC

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

17. DRIVER - INDIRECT* (CHOOSE 1)	18. FINISH* (CHOOSE 1)	19. MOUNTING DETAILS (CHOOSE 1)	20. CONTROL TYPE*
N No Indirect Lighting	STANDARD FINISHES	B04 Black Cord, 4ft	1C Single Control
V00 0-10V, dim to 0%	SW <input type="checkbox"/> Satin White	W04 White Cord, 4ft	(Choose for Direct or Bidirectional illumination.
V01 0-10V, dim to 1%	SB <input type="checkbox"/> Satin Black	B16 Black Cord, 16ft	D+I controlled together for Bidirectional)
LDE Lutron LDE1 Ecosystem, dim to 1%	AS <input type="checkbox"/> Aluminum Silver Anodized Effect	W16 White Cord, 16ft	2C Independent Control
P01 ¹⁰ ELV/TRIAC phase dim to 1%	TB <input type="checkbox"/> Textured Black	C04 Clear Braided Cord, 4ft	(Choose for Bidirectional illumination.
ELO eldoLED, 0-10V dim to 0%	PREMIUM FINISHES	C16 Clear Braided Cord, 16ft	D & I controlled independently)
DAL DALI, dim to 0%	-- See chart on page 5 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)		
DMX DMX, dim to 0%	SPECIAL ORDER FINISHES*		
POE ¹¹ POE Ready	RAL _____ Specify RAL Classic Color (Ex: RAL 3003)		
CM ¹² Custom driver	CCM _____ Custom Color Match		

*Contact ALW for controls systems integrations

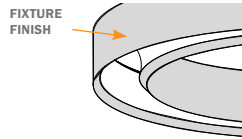
*See 'Driver' and lamping charts for driver details.

¹⁰Phase dim drivers are 120 VAC only

¹¹Contact ALW with the POE spec details

¹²Contact ALW for custom driver specifications

*Manually type in the finish code for special order finishes types



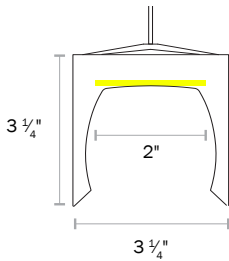
21. VOLTAGE (CHOOSE 1)	22. EMERGENCY CIRCUITS (OPTIONAL)	23. CONTROL OPTIONS* (OPTIONAL)	24. ADDITIONAL OPTIONS - B (INCLUDED)
UNV Universal Voltage (120VAC-277VAC)	N None	N None	DC Living Building Challenge Declared
347 347 Volt (Driver options may be limited. Not available with EMB)	EMC/___ ¹³ Emergency power feed whip for connection to remote Generator Transfer Devices	FACTORY CONTROLS	
	EMB/___ 10W Remote Emergency Battery	OS/PH/HV/___ Remote Occupancy/Daylight sensor	
	GTD/___ ¹⁴ Generator Transfer Device Device/Switch Bypass - 3A	NETWORK CONTROLS	
	ALC/___ ¹⁴ Automated Load Control Relay - 10A)	<i>Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.</i>	
	[*] Emergency Battery options are direct lighting only	AY/xx Acuity	
	^{**} Emergency options will power an entire fixture section	AN/xx Avi-on	
	¹³ No EM components provided. Choose None when designating entire fixture for EMC.	CA/xx Casambi	
	¹⁴ GTD and ALC controls will always be remote.	CW/xx/___ Cooper Wavelinx	
		EC/xx/___ Encelium	
		EN/xx/___ Enlighted	
		LU/xx/___ Lutron	
		NX/xx/___ NX Controls	
		WA/xx/___ Wattstopper	
		[*] Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information.	
		[*] Contact ALW for Additional Zone specifications	

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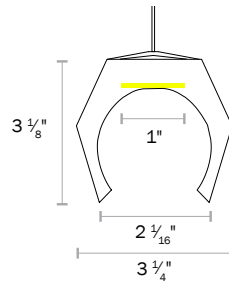


MECHANICAL DIAGRAMS

SUSPENDED MODERN REMOTE



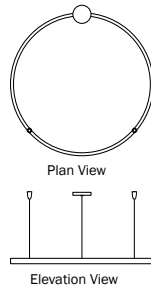
SUSPENDED ORGANIC REMOTE



MOUNTING OPTIONS

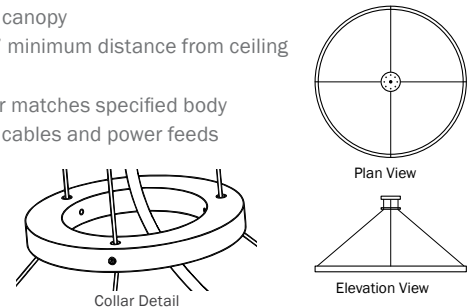
STANDARD SUSPENSION (SS)

- 4.5" white canopy per power feed location
- Bullet mount
- 8' aircraft cable (longer suspension cables available upon request)
- 2" white canopy (for use with T-bar mounting) per suspension point



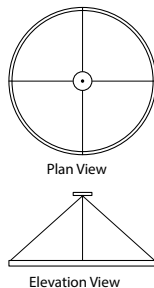
CENTRAL COLLARED SUSPENSION (CCS)

- 5" white central axis canopy
- 8' aircraft cable. 18" minimum distance from ceiling to fixture.
- 5" collared ring (color matches specified body finish) that all aircraft cables and power feeds route through.



CENTRAL AXIS SUSPENSION (CAS)

- 4.5" white central axis canopy per fixture that all aircraft cables/power feeds route into, as shown.
- 8' aircraft cable. 18" minimum distance from ceiling to fixture.





FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES



Satin
White



Aluminum Silver
Anodized Effect

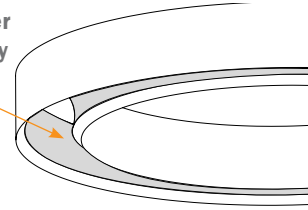


Satin
Black



Textured
Black

Light Chamber
is SW finish by
default



PREMIUM FINISHES

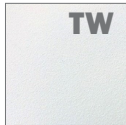
BASIC POWDER COAT



Gloss
White



Antimicrobial
Gloss White



Textured
Matte
White

METALLIC POWDER COAT



Charcoal
Gray



Copper



Brass

SATIN ANODIZED EFFECT POWDER COAT



Oil-Rubbed
Bronze



Dark
Bronze

GLOSS POWDER COAT (80-95% GLOSS)



Orange
RAL 2003



Red
RAL 3020



Magenta
RAL 4010



Blue
RAL 5015

Contact ALW Quotes for sample paint finish swatches.

SPECIAL ORDER FINISHES*



RAL CLASSIC COLORS (80-95% GLOSS): RAL_ _ _ _

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003). See www.alw-inc.com/resources/finishes



CUSTOM COLOR MATCH: CCM_ _ _ _

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

*An individual setup fee will apply to each unique Special Order Finish per purchase order.
(ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying



PERFORMANCE DETAILS

ARKUS RING - ORGANIC SATIN WHITE (SW) LIGHT CHAMBER										
RING SIZE	OUTPUT OPTION ¹⁵ DIRECT	DELIVERED LUMENS DIRECT	WATTS ¹⁶ DIRECT	EFFICACY (LM/W) DIRECT	OUTPUT OPTION ¹⁵ INDIRECT	DELIVERED LUMENS INDIRECT	WATTS ¹⁶ INDIRECT	EFFICACY (LM/W) INDIRECT	CRI OPTIONS	CCT OPTIONS
2	17	1142	13.9	82	30	1919	12.7	151	80 90	2700K 3000K 3500K 4000K
	25	1614	20.0	81	40	2671	17.7	151		
	30	1999	25.2	79	50	3271	21.8	150		
	37	2379	30.4	78	65	4164	27.8	150		
3	17	1713	20.8	82	30	2878	19.1	151		
	25	2420	30.0	81	40	4007	26.6	151		
	30	2999	37.7	79	50	4906	32.7	150		
	37	3568	45.5	78	65	6246	41.8	150		
4	17	2284	27.8	82	30	3837	25.5	151		
	25	3227	40.0	81	40	5343	35.5	151		
	30	3999	50.3	79	50	6541	43.5	150		
	37	4758	60.7	78	65	8328	55.7	150		

¹⁵Performance calculations are based on LM-79 test of 375lm/ft output direct (650lm/ft output indirect), at 80 CRI and 3500K.

All other output calculations are extrapolated values.

¹⁶Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

ARKUS RING - MODERN SATIN WHITE (SW) LIGHT CHAMBER										
RING SIZE	OUTPUT OPTION ¹⁷ DIRECT	DELIVERED LUMENS DIRECT	WATTS ¹⁸ DIRECT	EFFICACY (LM/W) DIRECT	OUTPUT OPTION ¹⁷ INDIRECT	DELIVERED LUMENS INDIRECT	WATTS ¹⁸ INDIRECT	EFFICACY (LM/W) INDIRECT	CRI OPTIONS	CCT OPTIONS
2	30	1994	16.9	118	30	2024	12.7	159	80 90	2700K 3000K 3500K 4000K
	37	2446	21.0	116	40	2659	16.7	159		
	45	2891	25.2	115	50	3292	20.8	159		
	52	3343	30.4	110	65	4235	26.8	158		
	-	-	-	-	75	4705	29.9	158		
3	30	2991	25.4	118	17	3035	19.1	159		
	37	3668	31.5	116	25	3989	25.1	159		
	45	4337	37.7	115	30	4938	31.1	159		
	52	5015	45.5	110	37	6353	40.2	158		
	-	-	-	-	75	7057	44.8	158		
4	30	3988	33.9	118	17	4047	25.5	159		
	37	4891	42.1	116	25	5318	33.5	159		
	45	5782	50.3	115	30	6584	41.5	159		
	52	6686	60.7	110	37	8471	53.7	158		
	-	-	-	-	75	9409	59.7	158		

¹⁷Performance calculations are based on LM-79 test of 525lm/ft output direct (750lm/ft output indirect), at 80 CRI and 3500K.

All other output calculations are extrapolated values.

¹⁸Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

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PERFORMANCE DETAILS CONT'D

ARKUS LINEAR - DIRECT SATIN BLACK (SB) LIGHT CHAMBER										
OUTPUT OPTION	RING SIZE	DELIVERED LUMENS	WATTS ¹⁹	EFFICACY (LM/W)	OUTPUT OPTION	DELIVERED LUMENS	WATTS ¹⁹	EFFICACY (LM/W)	CRI OPTIONS	CCT OPTIONS
ORGANIC 15	2	926	30.4	30	MODERN 25	1562	30.4	51	80 90	2700K
	3	1389	45.5	30		2344	45.5	51		3000K
	4	1852	60.7	30		2344	45.5	51		3500K 4000K

¹⁹ Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%.

TM-30-18 DETAILS (90 CRI LAMPING)

CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg	Duv
2700K	94	62	92	99	-0.0023
3000K	94	59	93	99	0.0008
3500K	96	70	92	99	0.0001
4000K	97	89	93	101	0.0012

TM-30-18 DETAILS (80 CRI LAMPING)

CCT	CRI (Ra)	CRI (R9)	TM-30 Rf	TM-30 Rg	Duv
2700K	80	13	78	101	0.0012
3000K	80	-5	84	95	0.0056
3500K	86	56	83	104	0.0015
4000K	82	43	81	101	0.0017

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VOLTAGE DROP DETAILS

VOLTAGE DROP CALCULATION DIRECTIONS

Your ARKUS Ring may be powered with more than 1x Class 2 LED driver. Let's use the White LED, 33VDC chart below as an example.

1. Determine Load Size of Each Circuit

- Open the driver enclosure and you'll see a silver sticker that indicates the Power (Wattage).
- Let's say the load is 45W. Round up to the nearest load, which is 50W (we're using the White LED, 33VDC chart in this example).

2. Determine Distance from Driver to Load

Let's assume the distance is 60 ft. If you need to determine your wire gauge and driver distance before you receive the product, use 95W as your worst case load rating. All drivers are Class 2 and each circuit will never exceed 95W.

3. Determine Wire Gauge

In this example, ALW recommends to install 16 AWG wire between the Driver and Canopy (where power drops to the ring).

ARKUS RING VOLTAGE DROP CHART FOR REMOTE DRIVERS - WHITE LED, 33VDC

For best performance, ensure proper wire gauge is installed between the remote LED driver and canopy that is dropping power to your fixture. **This chart only applies to ARKUS Ring White LEDs at 33VDC. Do not use this chart to calculate voltage drop for other fixtures.**

WIRE GAUGE	20W 0.61A	30W 0.91A	40W 1.21A	50W 1.52A	60W 1.82A	70W 2.12A	80W 2.42A	90W 2.73A	100W 3.03A
18 AWG	119 ft.	77 ft.	55 ft.	43 ft.	34 ft.	28 ft.	23 ft.	20 ft.	17 ft.
16 AWG	195 ft.	127 ft.	93 ft.	73 ft.	59 ft.	50 ft.	42 ft.	37 ft.	32 ft.
14 AWG	315 ft.	207 ft.	153 ft.	121 ft.	99 ft.	84 ft.	72 ft.	63 ft.	56 ft.
12 AWG	506 ft.	334 ft.	249 ft.	197 ft.	163 ft.	138 ft.	120 ft.	106 ft.	94 ft.
10 AWG	809 ft.	537 ft.	400 ft.	319 ft.	264 ft.	225 ft.	196 ft.	173 ft.	155 ft.



DRIVERS

PRODUCT CODE	DESCRIPTION
V00	0-10V dimming down to 1% with electronic dim-to-off (0%).
V01	0-10V dimming down to 1%.
LDE	Lutron Hi-lume (LDE1) 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.
P01	TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire hybrid LED driver. Dimming down to 1%. 120VAC only.
ELO	EldoLED 0-10V SOLODrive 0.1% dimming with electronic dim-to-off (0%).
DAL	DALI flicker-free dimming down to 1% with electronic dim-to-off (0%).
DMX	DMX flicker-free dimming down to 0%.
POE/READY	Specify a PoE driver of your choice. Fixture supplied with low voltage leads and no LED driver. Contact ALW to register your project.

*Most drivers can be programmed to specific dimming levels if desired. Contact ALW for specific dimming level requests.
ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY			
	STD	CA TITLE 24 JA8/JA10 ²⁰	IEEE P1789 & HD TV STUDIO ²¹
V00	●	●	
V01	●	●	
LDE	●	●	●
P01	●	●	
ELO	●	●	●
DALI	●	●	
DMX	●	PER REQUEST	PER REQUEST
POE/READY		PER REQUEST	

● - Indicates compatibility

* Standard lamping (STD) - 150 - 750 lm/ft

²⁰ Fixtures specified with 90CRI 2700K, 3000K, 3500K, or 4000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices

²¹ The following drivers conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'. These drivers may also be installed in HD TV Studio applications utilizing high frequency camera equipment.



ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

80 and 90 CRI

L70 Calculated Hours: 112,000hrs

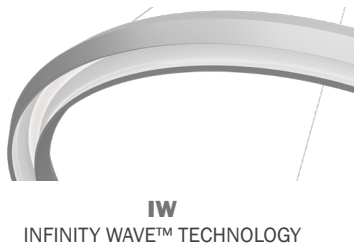
L90 Calculated Hours: 36,000hrs

HOUSING

100% recyclable, extruded architectural grade 6063 aluminum with a 0.09" minimum wall thickness.

INFINITY WAVE™ TECHNOLOGY

Arkus is powered by ALW's new InfinityWave™ Technology, leveraging cutting-edge light guide techniques to provide a powerful yet versatile light engine that enables a sleek luminaire profile.



SAFETY & REGULATORY

ETL Listed (U.S. & Canada). Suitable for dry or damp locations. For remote driver, Conforms to UL std. 2108 luminaires. Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

Fixtures specified with 90CRI, 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to **California Title 24 JA8 and JA10** Appendices. EldoLED and Lutron conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers.

DECLARE

All Arkus models are Declared. Declare Label is a comprehensive product transparency platform designed to empower manufacturers, designers, and consumers with detailed information about the ingredients and environmental impact of building products. Managed by the International Living Future Institute (ILFI), the platform provides a standardized "nutrition label" for products, disclosing material content, sourcing details, and the end-of-life potential. This initiative supports the Living Building Challenge by promoting sustainable and healthy materials, facilitating informed choices in the architecture and construction industries, and fostering transparency and accountability in the manufacturing process.

WEIGHT

MODERN RINGS			ORGANIC RINGS		
2FT	3FT	4FT	2FT	3FT	4FT
13.5 lbs	20.2 lbs	27 lbs	13.5 lbs	20.1 lbs	26.8 lbs

OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in dry environments where the ambient temperature ranges from -4 °F to 122 °F (-20 °C to 50 °C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

EMERGENCY

Emergency options are available for various applications including 10W Emergency Batteries (EMB), EMC circuits (EMC), Generator Transfer Devices (GTD), and Automated Load Control Relays (ALC). Contact ALW for emergency component spec sheets.

EMBEDDED CONTROLS, SENSORS, & OEM COMPONENTS

ALW lighting fixtures are intended for use with a wide range of embedded OEM components (control devices, occupancy and photocell sensors, LED drivers) for use with specified building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs.

ALW is your embedded controls partner, supporting integration with Acuity, Avi-on, Casambi, Cooper Wavelinx, Encelium, Enlighted, Lutron, NX Controls, Wattstopper, eldoLED, Philips, Molex PoE, NuLEDs PoE, WTEC Smartengine PoE, and more. If there's a component or system required that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.

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