



# ARTIC

SPECIALTY PRODUCTS  
Linear refrigeration lighting



The ARTIC Series is the ideal solution for the replacement of existing fluorescent or LED fixtures, and for new builds. The wide beam angle achieved in the ARTIC series enables greater display of your products, while the high LPW allows your organization to achieve cost reductions. The modular approach helps make installations a breeze and provides your refrigeration system a heightened level of sophistication in displaying products.

Project: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### OPERATING & ELECTRICAL

**Input voltage** 120-277V  
**Power factor** 0.9  
**Total harmonic distortion (THD)** <20%  
**Dimming** No dimming

### PERFORMANCE

**Lumens per Watt** 110 LPW at 80CRI  
**Power Distribution** 22, 25, 28W  
Lambertian

### MECHANICAL & HOUSING

**Housing** Extruded aluminum for increased rigidity and strength  
**Lens** Highly durable frosted polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused

**Finish** Clear anodized  
**Power Supply** Factory wired electronic LED driver  
**LED Board** Light emitted source  
**APPLICATION CONDITION**  
**Ambient temperature range** -10 to 45°C  
**Protection** Moisture proof

### COMPATIBLE MOUNTING

**Mounting** Surface  
**WARRANTY**  
**System warranty** 5 years  
**Lumen maintenance** Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

### ORDERING GUIDE

EXAMPLE: AE-RL-ARUV422N40TA

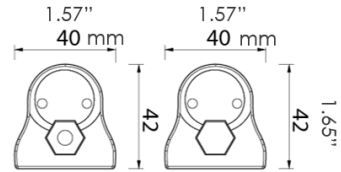
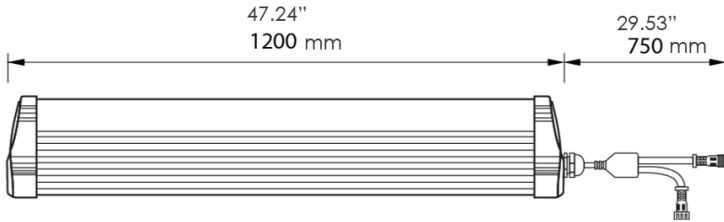
AE-RL-AR	UV	4FT	22W	N	40	TA
FIXTURE FAMILY	VOLTAGE	SIZE	POWER	CRI	CCT	CONNECT TYPE
AE-RL-AR Aeralux Artic Series specialty products refrigeration lighting	UV 120-277Vac input voltage range	4FT 4 feet	22W 22 watts: 2400 lumens	N Normal 80 CRI	30 3000K CCT	(LEAVE BLANK) TYPE B-Linkable
		5FT 5 feet	25W 25 watts: 2750 lumens		40 4000K CCT	TA TYPE A-Male to female connection
		6FT 6 feet	28W 28 watts: 3000 lumens		50 5000K CCT	TC TYPE C-Standalone fixture



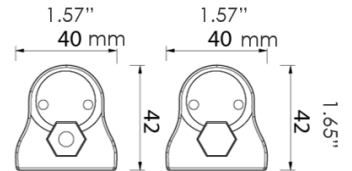
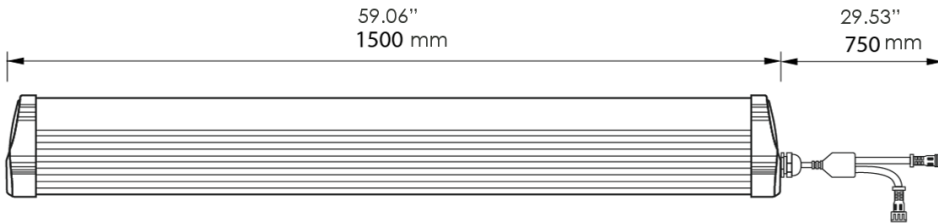


**PRODUCT DIMENSIONS**

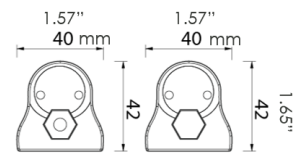
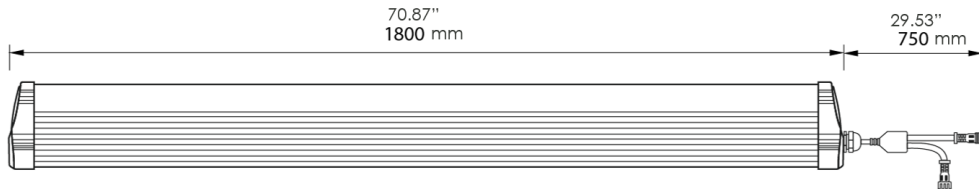
**AE-RL-ARUV4FT22WXXX**






**AE-RL-ARUV5FT25WXXX**



**AE-RL-ARUV6FT28WXXX**



Type B connection shown

<p><b>Type C: Standalone</b> One end with 0.5M wire, one end seal up</p>  <p><b>Non-Linkable</b></p>	<p><b>Type A: Male-Female Connection</b> Two end lead in male &amp; female plug with 0.5M wire</p>  <p><b>Linkable</b></p>	<p><b>BLANK - Type B: Male-Female Connection</b> One end with 2X 0.75M wires, One end seal up</p>  <p><b>Linkable</b></p>
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## LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.91	0.94	0.97	1

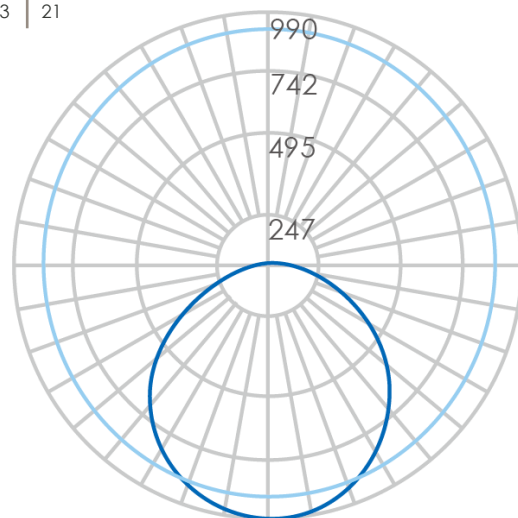
## PHOTOMETRIC DATA

AE-RL-ARUVXWDXXNXXXXXXX

Coefficients of utilization											
Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	106	100	95	90	98	88	93	86	89	83	78
2	95	86	78	71	84	70	80	69	77	67	63
3	87	75	66	58	73	58	70	57	67	56	52
4	79	66	56	49	64	49	62	48	59	47	44
5	72	59	49	42	57	42	55	41	53	41	38
6	67	53	43	36	52	36	50	36	48	35	33
7	62	48	38	32	47	32	45	32	44	31	29
8	58	43	35	28	43	28	41	28	40	28	26
9	54	40	31	25	39	25	38	25	37	25	23
10	50	37	29	23	36	23	35	23	34	23	21

Luminance data			
Angle	0°	45°	90°
45°	13233	7291	5796
55°	13844	6246	4421
65°	15472	5257	3059
75°	19780	4427	1656
85°	37260	3801	436

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	57.89	90-100	0
10-20	165.98	100-110	0
20-30	252.32	110-120	0
30-40	306.76	120-130	0
40-50	324.72	130-140	0
50-60	307.19	140-150	0
60-70	264.74	150-160	0
70-80	208.25	160-170	0
80-90	147.99	170-180	0





**PREMIUM MATERIALS**

Extruded aluminum housing allows for increased heat dissipation providing long-lasting LEDs and driver function.

**CONTINUOUS MOUNTING**

Connect multiple fixtures together for continuous run lengths



**SIMPLE INSTALLATION**

One screw bracket mount makes for simple, and quick installation reducing installation expenses and simplifying the process.

**FROSTED LENS**

Available with frosted lens

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