

# Tetra® AL10

LED ARCHITECTURAL SERIES



Tetra® AL10 is the linear LED system that combines versatility with superb quality of light. High color rendering (93 CRI) and ANSI bin color temperature consistency enables this versatile LED system to produce brilliant white light that meets the high standards of lighting designers.

Replacing fluorescent and halogen in a variety of retail and architectural applications, this slim, low-profile, modular fixture offers multiple lengths, viewing angles and mounting angles—making it easy to incorporate this system into a wide array of designs.

Backed by a reputation for reliability in the LED industry, this robust, low-voltage system is rated to perform for 50,000 hours—reducing material and labor expenses associated with relamping. Combined with reduced energy consumption—up to 40% compared to T5 fluorescent—Tetra AL10 significantly lowers operating costs to offer a competitive payback.

## Applications

Cove, retail under shelf, under cabinet, accent and task lighting applications.

## Features & Benefits

- High color rendering: 93 CRI
- Multiple ANSI bin color temperatures: 2700K, 3000K and 4000K
- High light levels: >220 lm/ft (>720 lm/m), 50 lpw
- Low energy consumption: 4.5 W/ft (14.8 W/m)
- Multiple lens options: 60°, 90° or 120° clear and 120° soft beam patterns
- Long rated life of 50,000 hours
- Low-voltage 12VDC system
- Fully dimmable: 0-10V
- No UV or IR light emitted
- Contains no lead, mercury or glass — RoHS compliant

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**ecomagination**™



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## Performance Data

White Fixture			Grey Fixture			Voltage	CCT	CRI	Lens Type	Length inches (mm)	Lumens per Fixture	Watts per Fixture	Lumens per Watt
Product Code	Description Code	Product Code	Description Code	Description Code									
78867	LPL-W18-060C-927	78893	LPL-G18-060C-927			12	2700K	93	60° clear	18 (460)	330	6.8	50
78855	LPL-W09-060C-927	78881	LPL-G09-060C-927			12	2700K	93	60° clear	9 (230)	165	3.4	50
78871	LPL-W18-090C-927	78896	LPL-G18-090C-927			12	2700K	93	90° clear	18 (460)	330	6.8	50
78858	LPL-W09-090C-927	78884	LPL-G09-090C-927			12	2700K	93	90° clear	9 (230)	165	3.4	50
78874	LPL-W18-120C-927	78899	LPL-G18-120C-927			12	2700K	93	120° clear	18 (460)	330	6.8	50
78861	LPL-W09-120C-927	78887	LPL-G09-120C-927			12	2700K	93	120° clear	9 (230)	165	3.4	50
78878	LPL-W18-120D-927	78902	LPL-G18-120D-927			12	2700K	93	120° soft	18 (460)	330	6.8	50
78864	LPL-W09-120D-927	78890	LPL-G09-120D-927			12	2700K	93	120° soft	9 (230)	165	3.4	50
78868	LPL-W18-060C-930	78894	LPL-G18-060C-930			12	3000K	93	60° clear	18 (460)	330	6.8	50
78856	LPL-W09-060C-930	78882	LPL-G09-060C-930			12	3000K	93	60° clear	9 (230)	165	3.4	50
78872	LPL-W18-090C-930	78897	LPL-G18-090C-930			12	3000K	93	90° clear	18 (460)	330	6.8	50
78859	LPL-W09-090C-930	78885	LPL-G09-090C-930			12	3000K	93	90° clear	9 (230)	165	3.4	50
78875	LPL-W18-120C-930	78900	LPL-G18-120C-930			12	3000K	93	120° clear	18 (460)	330	6.8	50
78862	LPL-W09-120C-930	78888	LPL-G09-120C-930			12	3000K	93	120° clear	9 (230)	165	3.4	50
78879	LPL-W18-120D-930	78903	LPL-G18-120D-930			12	3000K	93	120° soft	18 (460)	330	6.8	50
78865	LPL-W09-120D-930	78891	LPL-G09-120D-930			12	3000K	93	120° soft	9 (230)	165	3.4	50
78870	LPL-W18-060C-940	78895	LPL-G18-060C-940			12	4000K	93	60° clear	18 (460)	330	6.8	50
78857	LPL-W09-060C-940	78883	LPL-G09-060C-940			12	4000K	93	60° clear	9 (230)	165	3.4	50
78873	LPL-W18-090C-940	78898	LPL-G18-090C-940			12	4000K	93	90° clear	18 (460)	330	6.8	50
78860	LPL-W09-090C-940	78886	LPL-G09-090C-940			12	4000K	93	90° clear	9 (230)	165	3.4	50
78877	LPL-W18-120C-940	78901	LPL-G18-120C-940			12	4000K	93	120° clear	18 (460)	330	6.8	50
78863	LPL-W09-120C-940	78889	LPL-G09-120C-940			12	4000K	93	120° clear	9 (230)	165	3.4	50
78880	LPL-W18-120D-940	78904	LPL-G18-120D-940			12	4000K	93	120° soft	18 (460)	330	6.8	50
78866	LPL-W09-120D-940	78892	LPL-G09-120D-940			12	4000K	93	120° soft	9 (230)	165	3.4	50

## Components

Product Code	Description Code	Product Description	Quantity
74601	GE060/G/V12T1-A	LED Driver - 12V 60W	1/EA
74914	GE020/G/V12T1-B	LED Driver - 12V 20W	1/EA
78905	LC-36	Leader Cable - 36-inch (914mm)	5/PK
78906	LC-120	Leader Cable - 120-inch (3048mm)	5/PK
78907	JC-12	Jumper Cable - 12-inch (305mm)	5/PK
78908	JC-72	Jumper Cable - 72-inch (1829mm)	5/PK
78909	MB-W15	Mounting Bracket - White 15° Angle	20/PK
78910	MB-W30	Mounting Bracket - White 30° Angle	20/PK
78911	MB-G15	Mounting Bracket - Grey 15° Angle	20/PK
78912	MB-G30	Mounting Bracket - Grey 30° Angle	20/PK

## Product Description Codes



## Technical Specifications

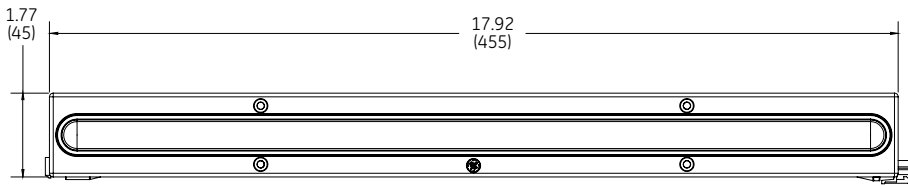
Specification Item	Specification
Operating Voltage	12 VDC
Compatible LED Drivers	<b>74601</b> (GE060/G/V12T1-A) and <b>74914</b> (GE020/G/V12T1-B)
Maximum Loading	<b>74601</b> : 13 ft. (3.96 m) and <b>74914</b> : 4 ft. (1.22 m)
IP Rating	IP52: dry or damp location rated

System Certifications

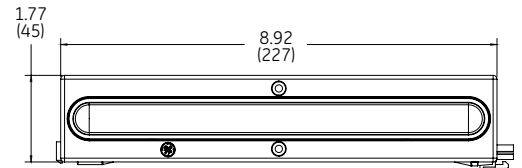


# Dimensional Drawings

Typical dimensions shown in inches (mm)



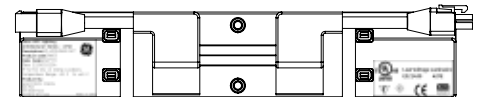
18" (460 mm) Top View



9" (230 mm) Top View

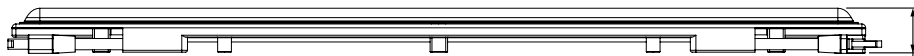


18" (460 mm) Bottom View

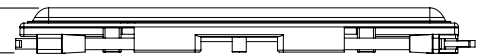


9" (230 mm) Bottom View

## 60° Clear Lens

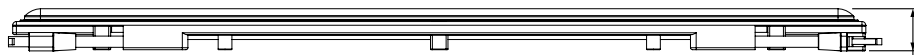


18" (460 mm) Side View

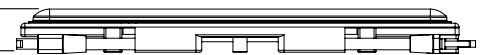


9" (230 mm) Side View

## 90° Clear Lens

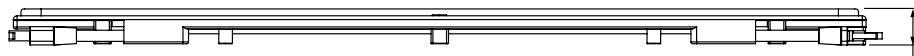


18" (460 mm) Side View

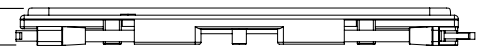


9" (230 mm) Side View

## 120° Clear Lens



18" (460 mm) Side View



9" (230 mm) Side View

## 120° Soft Lens

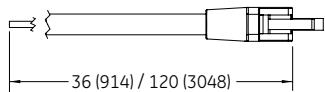


18" (460 mm) Side View

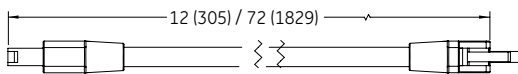


9" (230 mm) Side View

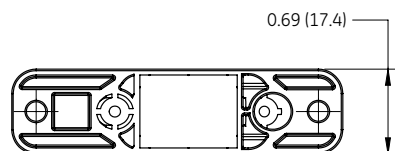
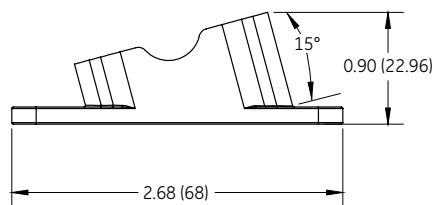
## Leader Cable



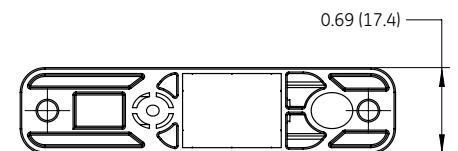
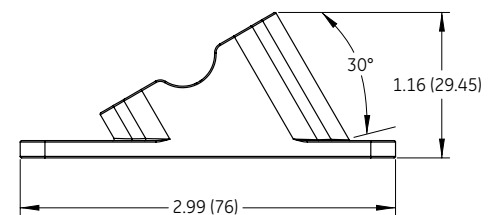
## Jumper Cable



## 15° Mounting Bracket

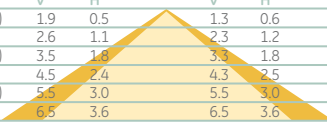


## 30° Mounting Bracket

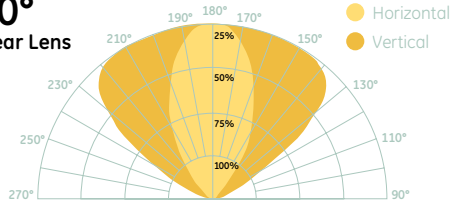


Vertical & Horizontal Beam Width

	18-inch (460 mm)		9-inch (230 mm)	
	V	H	V	H
0.5 ft. (0.15 m)	1.9	0.5	1.3	0.6
1 ft. (0.30 m)	2.6	1.1	2.3	1.2
1.5 ft. (0.46 m)	3.5	1.8	3.3	1.8
2 ft. (0.61 m)	4.5	2.4	4.3	2.5
2.5 ft. (0.76 m)	5.5	3.0	5.5	3.0
3 ft. (0.91 m)	6.5	3.6	6.5	3.6



60° Clear Lens



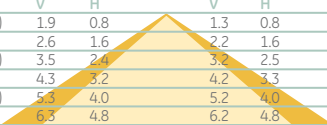
Center Beam Foot Candles

	18-inch (460 mm)			9-inch (230 mm)		
	4000K	3000K	2700K	4000K	3000K	2700K
0.5 ft. (0.15 m)	500	444	444	372	331	331
1 ft. (0.30 m)	190	169	169	112	100	100
1.5 ft. (0.46 m)	93.0	83	83	51	45	45
2 ft. (0.61 m)	55	49	49	29	26	26
2.5 ft. (0.76 m)	36	32	32	19	17	17
3 ft. (0.91 m)	25	22	22	13	12	12

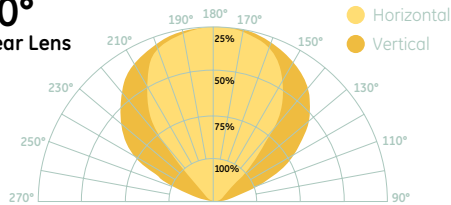
	18-inch (460 mm)				9-inch (230 mm)			
	4000K		2700K & 3000K		4000K		2700K & 3000K	
	V	H	V	H	V	H	V	H
0°	247	247	219	219	123	123	110	110
10°	246	227	218	201	123	113	109	101
20°	245	171	218	152	122	86	109	76
30°	245	108	218	96	122	54	109	48
40°	240	48	214	43	120	24	107	21
50°	200	13	178	11	100	6	89	6
60°	98	7	87	6	49	4	44	3
70°	35	6	31	5	18	3	16	3
80°	9	5	8	4	5	2	4	2
90°	1	4	1	3	0	2	0	2

Vertical & Horizontal Beam Width

	18-inch (460 mm)		9-inch (230 mm)	
	V	H	V	H
0.5 ft. (0.15 m)	1.9	0.8	1.3	0.8
1 ft. (0.30 m)	2.6	1.6	2.2	1.6
1.5 ft. (0.46 m)	3.5	2.4	3.2	2.5
2 ft. (0.61 m)	4.3	3.2	4.2	3.3
2.5 ft. (0.76 m)	5.3	4.0	5.2	4.0
3 ft. (0.91 m)	6.3	4.8	6.2	4.8



90° Clear Lens



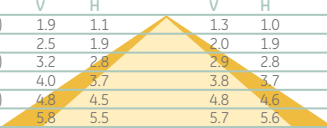
Center Beam Foot Candles

	18-inch (460 mm)			9-inch (230 mm)		
	4000K	3000K	2700K	4000K	3000K	2700K
0.5 ft. (0.15 m)	348	309	309	260	231	231
1 ft. (0.30 m)	138	123	123	82	73	73
1.5 ft. (0.46 m)	69	61	61	38	34	34
2 ft. (0.61 m)	41	36	36	21	19	19
2.5 ft. (0.76 m)	27	24	24	14	12	12
3 ft. (0.91 m)	19	17	17	10	9	9

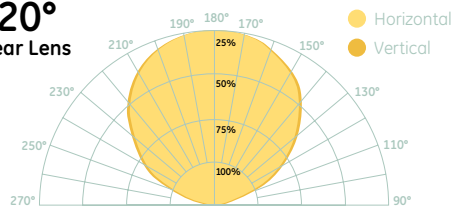
	18-inch (460 mm)				9-inch (230 mm)			
	4000K		2700K & 3000K		4000K		2700K & 3000K	
	V	H	V	H	V	H	V	H
0°	178	178	158	158	89	89	79	79
10°	176	174	156	154	88	87	78	77
20°	171	166	152	147	85	83	76	74
30°	162	138	144	123	81	69	72	61
40°	147	93	131	83	73	46	65	41
50°	126	22	112	20	63	11	56	10
60°	97	9	86	8	48	4	43	4
70°	55	6	49	5	27	3	24	3
80°	15	4	13	3	7	2	7	2
90°	1	2	1	2	0	1	0	1

Vertical & Horizontal Beam Width

	18-inch (460 mm)		9-inch (230 mm)	
	V	H	V	H
0.5 ft. (0.15 m)	1.9	1.1	1.3	1.0
1 ft. (0.30 m)	2.5	1.9	2.0	1.9
1.5 ft. (0.46 m)	3.2	2.8	2.9	2.8
2 ft. (0.61 m)	4.0	3.7	3.8	3.7
2.5 ft. (0.76 m)	4.8	4.5	4.8	4.6
3 ft. (0.91 m)	5.8	5.5	5.7	5.6



120° Clear Lens



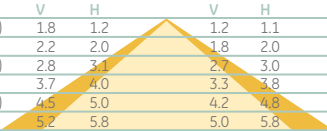
Center Beam Foot Candles

	18-inch (460 mm)			9-inch (230 mm)		
	4000K	3000K	2700K	4000K	3000K	2700K
0.5 ft. (0.15 m)	246	219	219	191	170	170
1 ft. (0.30 m)	98	87	87	59	52	52
1.5 ft. (0.46 m)	50	44	44	28	25	25
2 ft. (0.61 m)	30	27	27	16	14	14
2.5 ft. (0.76 m)	20	18	18	10	9	9
3 ft. (0.91 m)	14	12	12	7	6	6

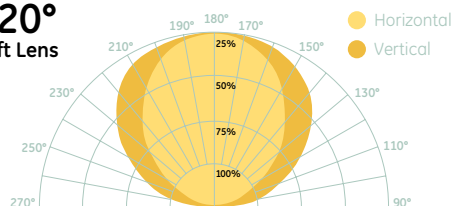
	18-inch (460 mm)				9-inch (230 mm)			
	4000K		2700K & 3000K		4000K		2700K & 3000K	
	V	H	V	H	V	H	V	H
0°	133	133	118	118	66	66	59	59
10°	130	130	116	116	65	65	58	58
20°	124	124	110	110	62	62	55	55
30°	114	113	101	101	57	57	51	50
40°	99	98	88	87	49	49	44	44
50°	80	79	71	70	40	39	36	35
60°	58	56	51	50	29	28	26	25
70°	32	27	28	24	16	14	14	12
80°	8	2	7	1	4	1	3	1
90°	0	0	0	0	0	0	0	0

Vertical & Horizontal Beam Width

	18-inch (460 mm)		9-inch (230 mm)	
	V	H	V	H
0.5 ft. (0.15 m)	1.8	1.2	1.2	1.1
1 ft. (0.30 m)	2.2	2.0	1.8	2.0
1.5 ft. (0.46 m)	2.8	3.1	2.7	3.0
2 ft. (0.61 m)	3.7	4.0	3.3	3.8
2.5 ft. (0.76 m)	4.5	5.0	4.2	4.8
3 ft. (0.91 m)	5.2	5.8	5.0	5.8



120° Soft Lens



Center Beam Foot Candles

	18-inch (460 mm)			9-inch (230 mm)		
	4000K	3000K	2700K	4000K	3000K	2700K
0.5 ft. (0.15 m)	198	176	176	157	140	140
1 ft. (0.30 m)	82	73	73	50	44	44
1.5 ft. (0.46 m)	41	36	36	24	21	21
2 ft. (0.61 m)	25	22	22	14	12	12
2.5 ft. (0.76 m)	16	14	14	9	8	8
3 ft. (0.91 m)	12	11	11	6	5	5

	18-inch (460 mm)				9-inch (230 mm)			
	4000K		2700K & 3000K		4000K		2700K & 3000K	
	V	H	V	H	V	H	V	H
0°	111	111	99	99	56	56	50	50
10°	108	111	96	99	54	56	48	50
20°	100	109	89	97	50	55	44	49
30°	87	104	77	92	43	52	39	46
40°	71	94	63	84	35	47	32	42
50°	54	81	48	72	27	40	24	36
60°	37	64	33	57	19	32	16	29
70°	22	47	19	41	11	23	10	21
80°	9	32	8	28	4	16	4	14
90°	1	21	1	19	0	10	0	9

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