GKOLED®

ARCHITECTURAL LINEAR   SERIES GKOARLG1

20W / 40W / 80W

Product Overview

Series GKOARLG1 Architectural Linear Lights are a linear lighting solution with a variety of length, connection, and mounting options for an endless variety of lighting designs. All models are Power, CCT, and Light Distribution Selectable with 3 power options, 5 CCT options, and 5 uplight/downlight configurations.

DLC LISTED PREMIUM

UL LISTED E 488272

DAMP LOCATION

5 YEAR LIMITED WARRANTY

Key Features

CONSTRUCTION:
- Durable aluminum extrusion housing.
- Premium die-cast aluminum end caps.
- The diffuser and end caps overlap to eliminate gaps and conceal the LED chips.
- Available in 2', 4', and 8' in a standard linear or custom configuration with straight or illuminated L, X, T, Y, or V connectors.
- Optional detachable PMMA LED uplighting module for bidirectional lighting.

FINISH:
- Strong, durable formula for long-lasting white or black color.

OPTICS:
- Light engines are available in standard 2700K, 3000K, 3500K, 4000K and 5000K configurations.
- Choice of 5 light distribution patterns, controlled by a dip switch.
- A range of lumen options available from 2,500 to 10,800 Lumens.
- <3 SDCM color consistency with 80 CRI or optional 90 CRI.
- Default high quality flat frosted polycarbonate diffuser for smooth, uniform light distribution.
- Optional louver, asymmetrical, and batwing lenses (special order).
- Optional dual circuit switching for independent dimming of direct and indirect light outputs.

WARRANTY:
- 5 Year Limited Warranty.

ELECTRICAL:
- Standard 120-277V input voltage.
- 0-10V dimming driver(s) as default.
- Default Class II drivers are durable and highly efficient.
- THD: ≤20%, Power Factor: ≥90%.

CONTROLS:
- Power & CCT adjustment controls are standard, enabling power selection from 100%, 75%, or 50%, and CCT selection from 2700K, 3000K, 3500K, 4000K or 5000K.
- Optional integrated sensor for daylight dimming and/or occupancy detection (under development).
- Optional emergency battery backup provides up to 90 minutes of operation during outages (under development).

INSTALLATION:
- Optional drywall or drop ceiling pendant mounting kit (special order).
- Optional surface mounting kit for drywall ceiling or wall mounting (special order).
- Optional recessed mounting kit provides trimless or trim visible recessed mounting options (special order).
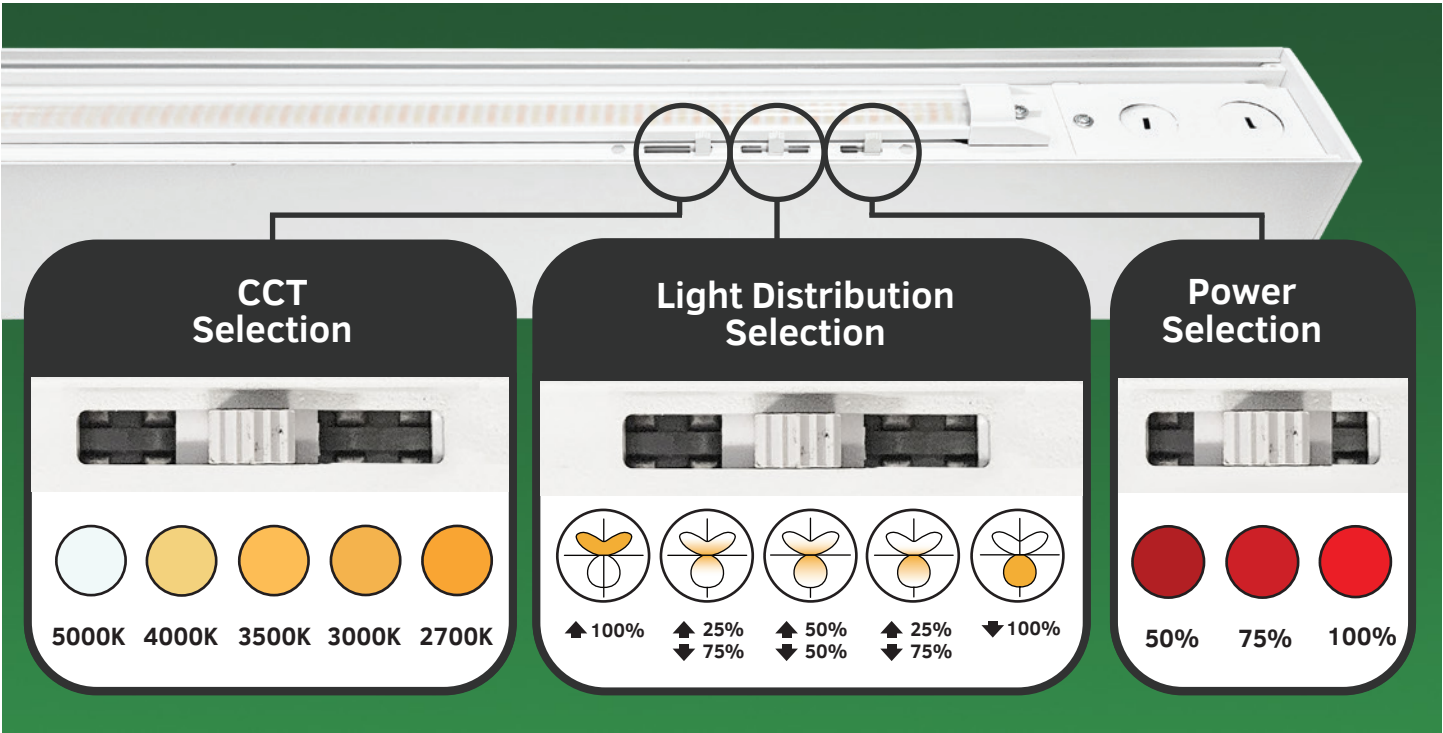
LISTINGS:
- DesignLights Consortium® (DLC) Premium qualified (pending).
- UL listed for damp locations.
- Rated for ambient operating temperature -4˚F to 104˚F (-20˚C to 40˚C).

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Power, CCT, and Light Distribution Adjustment Controls

Standard On All Models

CCT Selection

| 5000K | 4000K | 3500K | 3000K | 2700K |

Light Distribution Selection

| ⬆100% ⬇75% | ⬆25% ⬇50% | ⬆50% ⬇50% | ⬆25% ⬇75% | ⬇100% |

Power Selection

| 50% | 75% | 100% |

Perfomance Data

Size	System Watts	2700K(80CRI)		3000K(80CRI)		3500K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
2'	20W	2500lm	125lm/W	2500lm	125lm/W	2700lm	135lm/W	2700lm	135lm/W	2600lm	130lm/W
4'	40W	5000lm	125lm/W	5000lm	125lm/W	5400lm	135lm/W	5400lm	135lm/W	5200lm	130lm/W
8'	80W	10000lm	125lm/W	10000lm	125lm/W	10800lm	135lm/W	10000lm	135lm/W	10400lm	130lm/W

Electrical Data

Number of Drivers	Driver Current (mA)	Nominal Power (W)	Input Voltage (V)	Current (Amps)
1	430	20	120	0.17
		20	208	0.10
		20	240	0.08
		20	277	0.07
1	850	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
1	1700	80	120	0.67
		80	208	0.38
		80	240	0.33
		80	277	0.29

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Dimensions

2 FOOT (20W)

Weight:
2FT: 3.20lb.

3.15in.

2.5in.

23.94in.

4 FOOT (40W)

Weight:
4FT: 5.69lb.

3.15in.

2.5in.

47.56in.

8 FOOT (80W)

Weight:
8FT: 8.33lb.
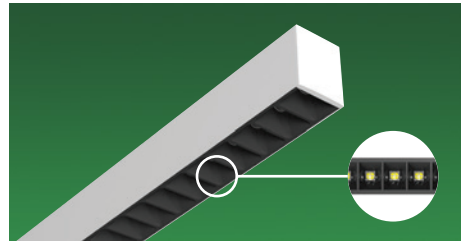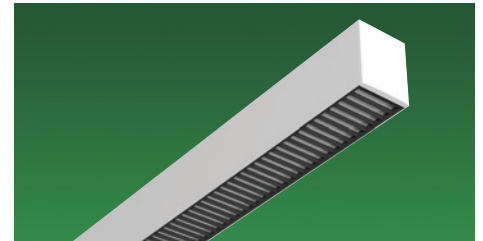
3.15in.

2.5in.

94.8n.
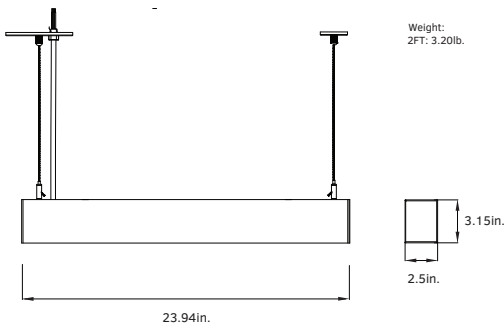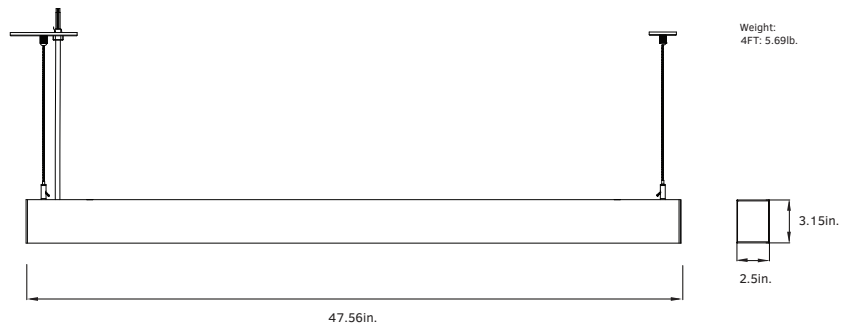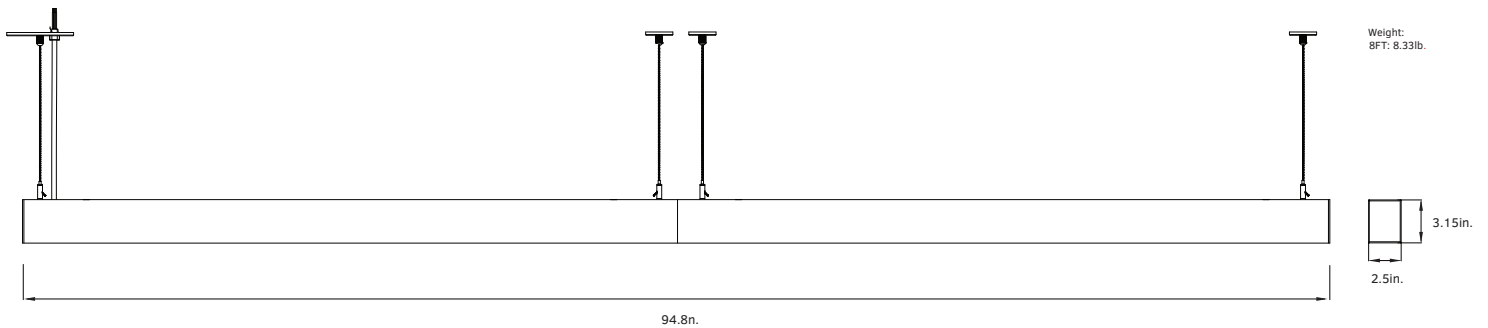
Lens Options
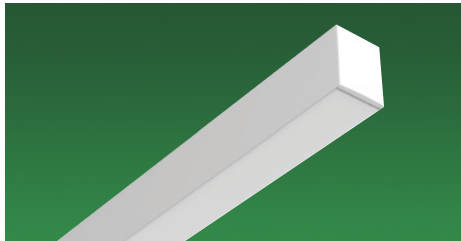
FROSTED DIFFUSER
Default frosted diffuser provides soft and comfortable light output.

ANTI-GLARE LOUVER DIFFUSER
Special order anti-glare UGR louver diffuser features a UGR<19 for reduced glare.
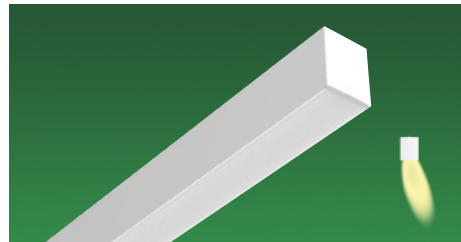
LOUVER DIFFUSER
Special order louver diffuser provides more focused lighting with reduced glare.
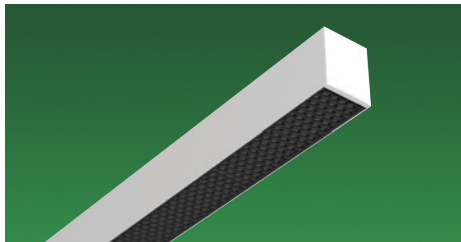
HEXAGONAL LOUVER DIFFUSER
Special order hexagonal louver diffuser provides more focused lighting with UGR<19 for reduced glare.
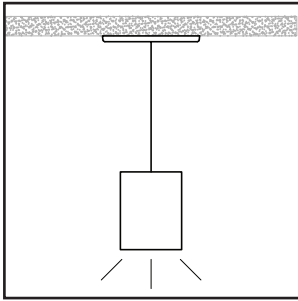
ASYMMETRICAL DIFFUSER
Special order asymmetrical diffuser projects a soft and uniform light output onto the adjacent wall.
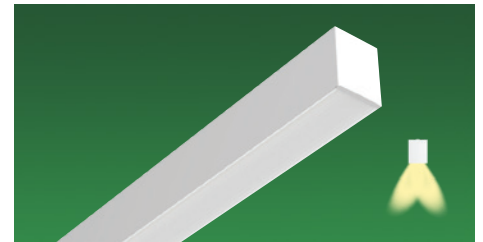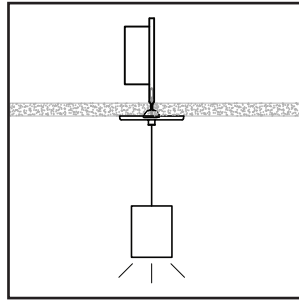
BATWING DIFFUSER
Special order louver diffuser provides more focused lighting with reduced glare.
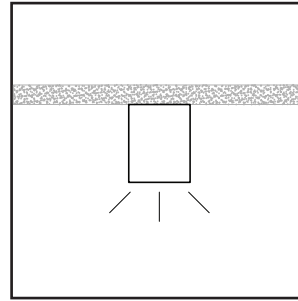
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Mounting Options

DRYWALL PENDANT
Special order pendant mount allows suspended mounting from a standard drywall ceiling.

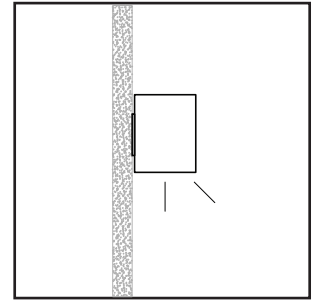**DROP CEILING PENDANT**
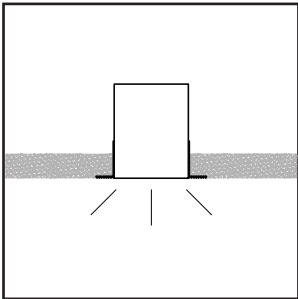Special order pendant mount allows suspended mounting from a drop ceiling.

SURFACE MOUNT
Special order surface mount allows flush surface mounting to a ceiling.

WALL MOUNT
Special order wall mount allows flush surface mounting to a wall.

TRIMLESS RECESS
Special order recessed mount allows recessed mounting on a ceiling without trim being visible. Fixture must be installed before painting the ceiling as mount will need to be concealed by wall putty, and then the ceiling painted.
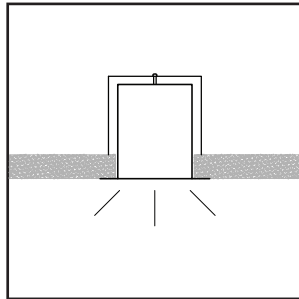
TRIM VISIBLE RECESS
Special order recessed mount allows recessed mounting on a ceiling with trim being visible.
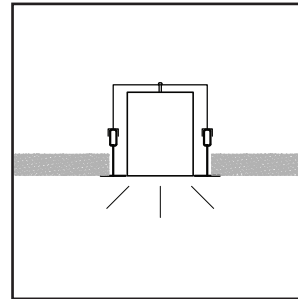
DROP CEILING RECESS
Special order recessed mount allows recessed mounting on a drop ceiling.

Connector Options

Make custom lighting designs with illuminated connectors
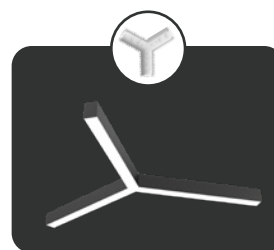
L CONNECTOR
Connects 2 lights at a 90° angle.

T CONNECTOR
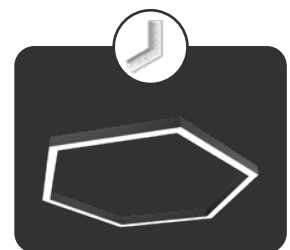Connects 3 lights at a 90° angle.

X CONNECTOR
Connects 4 lights at a 90° angle.

Y CONNECTOR
Connects 3 lights at a 120° angle.

V CONNECTOR
Connects 2 lights at a 120° angle.

Architectural Linear Light GKOARLG1 — Example: GKOARGL14FT40W27VDDKYYYYYY

Fixture Type	Size	Wattage	Voltage	CCT	Finish	Sensor (Optional)	Battery Backup (Optional)	Mount (Optional)	Adjustment Dial	Lens (Optional)	Internal Code
GKOARLG1	2FT	20W	27V 120-277V	DDK CCT Tunable	W White*	M With Sensor	B With Emergency Battery	DWP Drywall Pendant	AD With Adjustment Dial	D Frosted Diffuser	Blank
	4FT	40W			B Black	Blank Without Sensor	Blank Without Emergency Battery	DCP Drop Ceiling Pendant	Blank Without Adjustment Dial	L Louver Lens	Alphanumeric
	8FT	80W						SM Surface Mount		UGL UGR Louver Lens	
								WM Wall Mount		HL Hex Louver Lens	
								TR Trimless Recess		A Asymmetric Lens	
								TVR Trim Visible Recess		B Batwing Lens	
								DCR Drop Ceiling Recess			
								DWR Drywall Recess			
								Blank No Mount			

NOTE: *Default finish is white. Black finish is special order only.