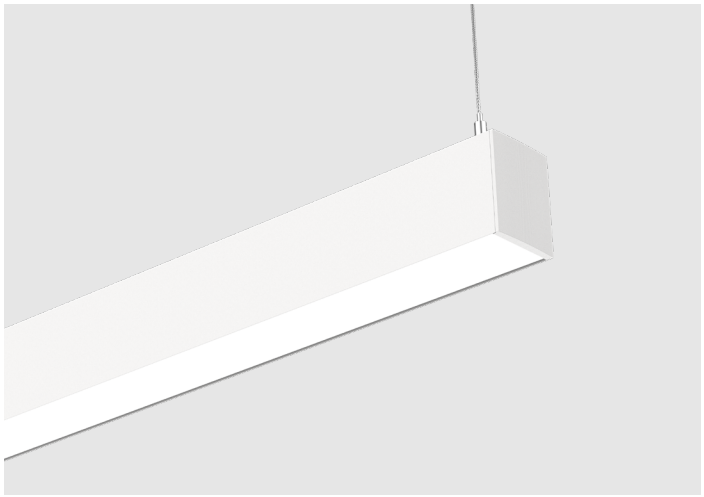
LED Architectural Linear Light

MALL01



The ALL01 linear light is a versatile product that can be widely applied in engineering projects. It supports multiple instal-lation methods and luminous accessory connectors, as well as various optical components. Suitable for various spaces, it can provide uniform and bright lighting while creating a warm and cozy atmosphere.

SPECIFICATION

Feature

- 2′, 4′, 6′, and 8′ lengths.
- Black, white, silver gray, and any other custom-specified RAL finish.
- An independent LED uplighting module is available.
- Custom patterns with optional L, X, T, Y, and V joiners.
- Strong, durable formula for long-lasting color retention.
- Die-cast aluminum endcaps with magnetic interface.
- The diffuser and endcaps at the fixture ends overlap to eliminate gaps and visible LEDs.

Optics

- Scalable lumen packages range from 1,250 to 10,800 lumens, with efficacy up to 135 lm/W.
- 5 Field-Selectable CCTs: 2700K, 3000K, 3500K, 4000K, 5000K.
- Color Consistency < 3 SDCM.
- CRI 80/90.
- 5 optional types of indirect and direct light distributions can be set by dip switch.
- 10 Direct Optics Options: Diffuser, Louver, UGR Louver (UGR＜19), Hex Louver, Asymmetric, Double Side Asymmetric, Black Lens, Wall Wash, 1/4-Glow and Regress.
- 3 Indirect Optics Options: Diffuser, Batwing, and Single.
- High-quality flat frost diffuser for smooth light distribution and uniformity.

Electrical

- Universal 120–277 VAC input voltage.
- 3 Field-Selectable Wattage Levels: 100%, 75%, 50%.
- 0–10V dimming standard with a 0–100% dimming range.
- PF > 0.9, THD < 20%.
- Highly efficient, durable Class II drivers are available.
- Operating Temperature Range: -20°C to 40°C (-4°F to 104°F).

Control

- PIR sensor optional.
- Bluetooth controller or Bluetooth sensor optional.
- Emergency battery backup optional.

Mounting

- Dry Wall Pendant Mount.
- Drop Ceiling Pendant Mount.
- Surface Mount.
- Wall Mount.
- Trimless Recessed Mount.
- Trim Visible Recessed Mount.
- T-Grid Recessed Mount.

Certification

- UL and cUL listed for damp locations.
- DLC Premium listed.

Warranty

- 5-year limited warranty.

Lifespan

- Estimated LED lifespan (L70) ≥ 100,000 hours, based on IES TM-21 calculations at 25°C.

Application

- Offices, conference rooms, education facilities, retail stores and supermarkets, reception areas, hallways, gyms, etc.

Note

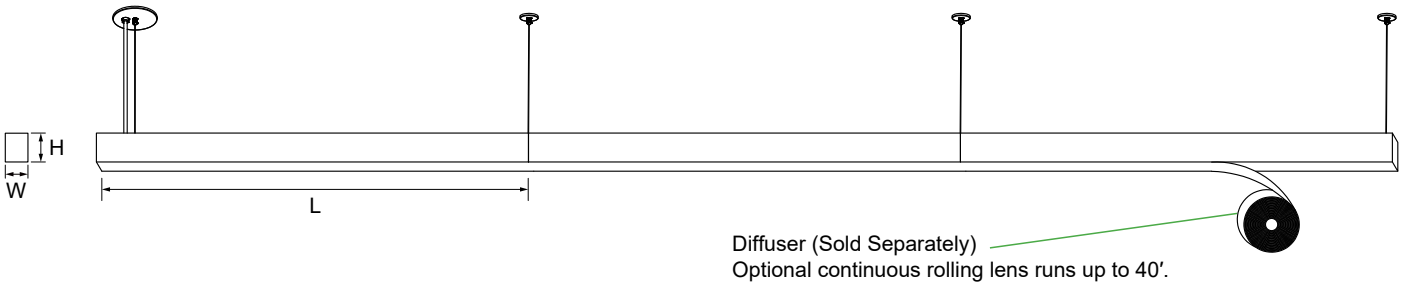
- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C). Specifications are subject to change without notice.

DIMENSION

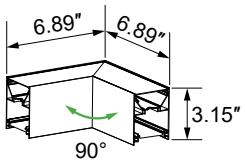
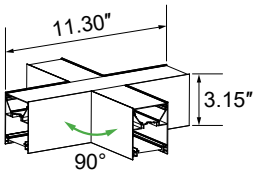
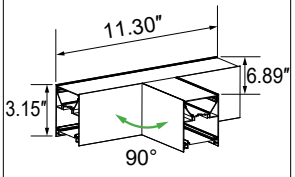
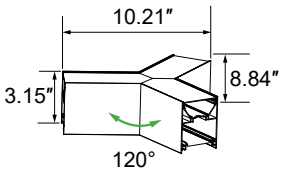
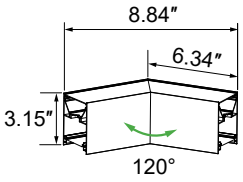
Item	L	W	H
2ft	23.62 in (600mm)	2.48 in (63 mm)	3.15 in (80 mm)
4ft	47.24 in (1200mm)		
6ft	70.87 in (1800mm)		
8ft	94.49 in (2400mm)		

Continuous Run

120VAC: Connections up to 40ft.
277VAC: Connections up to 100ft.



JOINER

L	X	T	Y	V
				

PERFORMANCE DATA

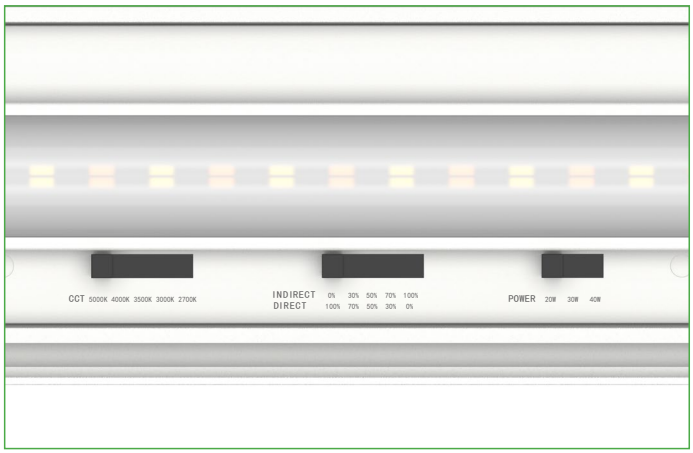
Size	Setting	Wattage	2700K(80CRI)		3000K(80CRI)		3500K(80CRI)		4000K(80CRI)		5000K(80CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
2ft	Lv1	20W	2500 lm	125 lm/W	2500 lm	125 lm/W	2700 lm	135 lm/W	2700 lm	135 lm/W	2600 lm	130 lm/W
	Lv2	15W	1875 lm	125 lm/W	1875 lm	125 lm/W	2025 lm	135 lm/W	2025 lm	135 lm/W	1950 lm	130 lm/W
	Lv3	10W	1250 lm	125 lm/W	1250 lm	125 lm/W	1350 lm	135 lm/W	1350 lm	135 lm/W	1300 lm	130 lm/W
4ft	Lv1	40W	5000 lm	125 lm/W	5000 lm	125 lm/W	5400 lm	135 lm/W	5400 lm	135 lm/W	5200 lm	130 lm/W
	Lv2	30W	3750 lm	125 lm/W	3750 lm	125 lm/W	4050 lm	135 lm/W	4050 lm	135 lm/W	3900 lm	130 lm/W
	Lv3	20W	2500 lm	125 lm/W	2500 lm	125 lm/W	2700 lm	135 lm/W	2700 lm	135 lm/W	2600 lm	130 lm/W
6ft	Lv1	60W	7500 lm	125 lm/W	7500 lm	125 lm/W	8100 lm	135 lm/W	8100 lm	135 lm/W	7800 lm	130 lm/W
	Lv2	45W	5625 lm	125 lm/W	5625 lm	125 lm/W	6075 lm	135 lm/W	6075 lm	135 lm/W	5850 lm	130 lm/W
	Lv3	30W	3750 lm	125 lm/W	3750 lm	125 lm/W	4050 lm	135 lm/W	4050 lm	135 lm/W	3900 lm	130 lm/W
8ft	Lv1	80W	10000 lm	125 lm/W	10000 lm	125 lm/W	10800 lm	135 lm/W	10800 lm	135 lm/W	10400 lm	130 lm/W
	Lv2	60W	7500 lm	125 lm/W	7500 lm	125 lm/W	8100 lm	135 lm/W	8100 lm	135 lm/W	7800 lm	130 lm/W
	Lv3	40W	5000 lm	125 lm/W	5000 lm	125 lm/W	5400 lm	135 lm/W	5400 lm	135 lm/W	5200 lm	130 lm/W

Note: All parameters are based on the frosted diffuser.

ELECTRICAL DATA

Size	Number of Drivers	Driver Current(mA)	Setting	Wattage	Current(A)			
					120V	208V	240V	277V
2ft	1	430	Lv1	20W	0.17	0.10	0.08	0.07
			Lv2	15W	0.13	0.07	0.06	0.05
			Lv3	10W	0.08	0.05	0.04	0.04
4ft	1	850	Lv1	40W	0.33	0.19	0.17	0.14
			Lv2	30W	0.25	0.14	0.13	0.11
			Lv3	20W	0.17	0.10	0.08	0.07
6ft	1	1300	Lv1	60W	0.50	0.29	0.25	0.22
			Lv2	45W	0.38	0.22	0.19	0.16
			Lv3	30W	0.25	0.14	0.13	0.11
8ft	1	1700	Lv1	80W	0.67	0.38	0.33	0.29
			Lv2	60W	0.50	0.29	0.25	0.22
			Lv3	40W	0.33	0.19	0.17	0.14

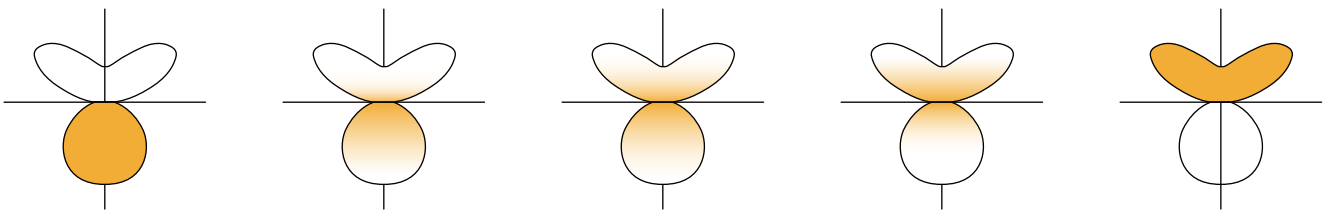
Field-Selectable Wattage, CCT and Light Distribution



Selectable Wattage

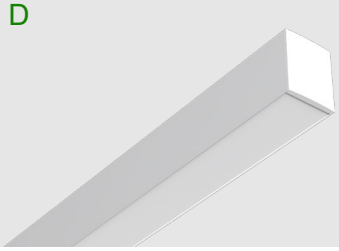
Selectable CCT

Selectable Light Distribution

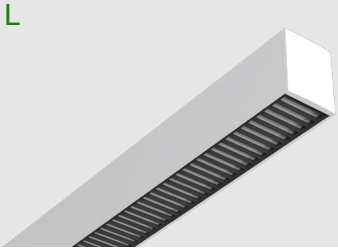


OPTICS

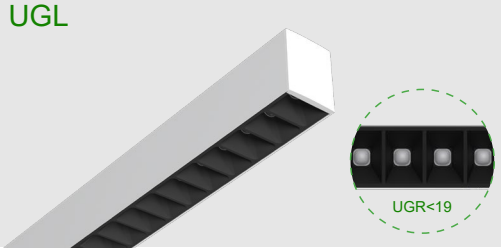
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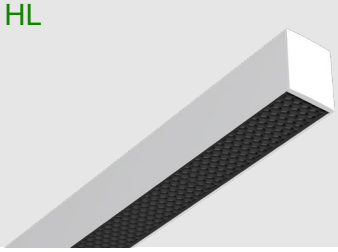
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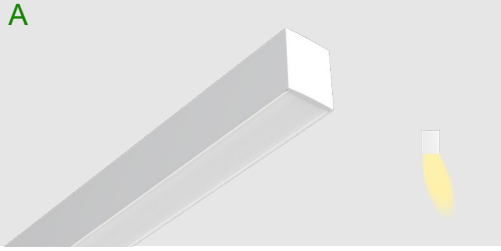
UGL



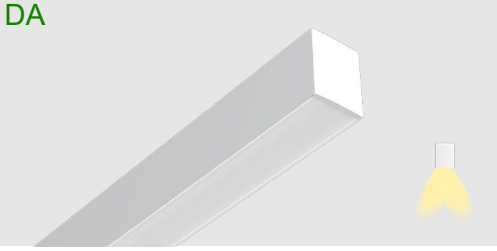
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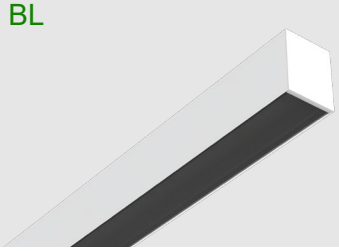
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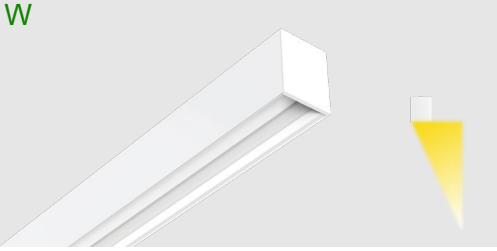
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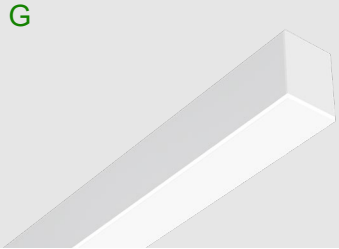
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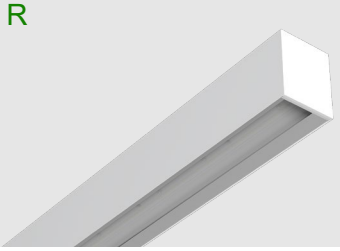
W



G



R



PLUG-IN PIR SENSOR

The optional receptacle for plug-and-play sensor eliminates the need for on-site modifications, making installation quick and hassle-free.

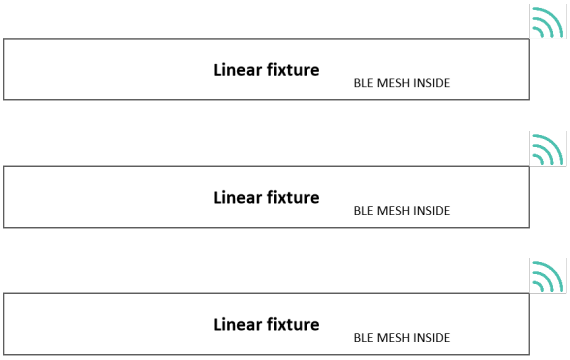


BLUETOOTH FUNCTION

Driver and Control Solution:

Tunable white W/ BLE mesh for linear fixture.

- Bluetooth Linear: Bluetooth mesh driver, ready for commissioning immediately after installation.
- Lumen and CCT Control:
  CCT & lumen adjustable, up and down distribution adjustable.
  Wireless control via wall switch or App.



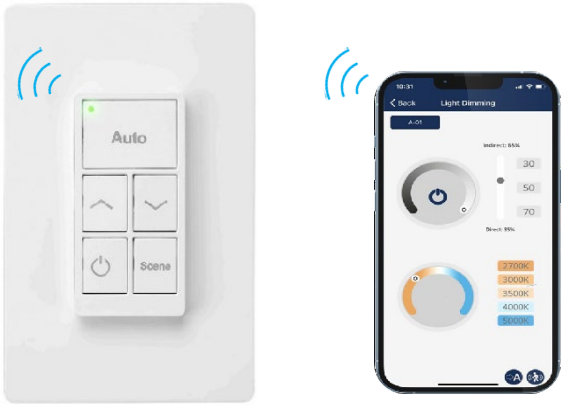
Motion Sensor:

Bluetooth motion sensor for standard linears and an eco sensor for Bluetooth linears.



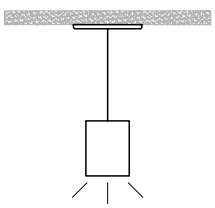
Control Mode:

- Bluetooth Wall Switch:
  5-Key, battery operated wall switch. Battery life estimated 3+ years.
  Works with bluetooth motion sensor or bluetooth linears.
- APP Bluetooth Linear:
  A free commissioning/control app is included with our Bluetooth mesh systems.

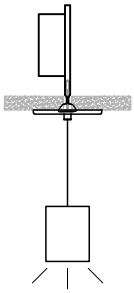


MOUNTING

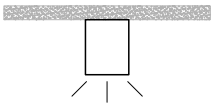
1 Dry Wall Pendant Mount



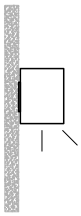
2 Drop Ceiling Pendant Mount



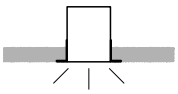
3 Surface Mount



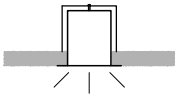
4 Wall Mount



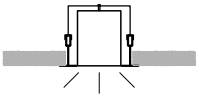
5 Trimless Recessed Mount



6 Trim Visible Recessed Mount



7 T-Grid Recessed Mount



MOUNTING ACCESSORY

1 5C POWER CORD KIT



- MALL01-PC-Kit-5C-7F-W
  ALL01_Power Cord Kit_5C_7Ft_White
- MALL01-PC-Kit-5C-7F-B
  ALL01_Power Cord Kit_5C_7Ft_Black
- MALL01-PC-Kit-5C-7F-G
  ALL01_Power Cord Kit_5C_7Ft_Gray
- MALL01-PC-Kit-5C-12F-W
  ALL01_Power Cord Kit_5C_12Ft_White
- MALL01-PC-Kit-5C-12F-B
  ALL01_Power Cord Kit_5C_12Ft_Black
- MALL01-PC-Kit-5C-12F-G
  ALL01_Power Cord Kit_5C_12Ft_Gray

2 6C POWER CORD KIT



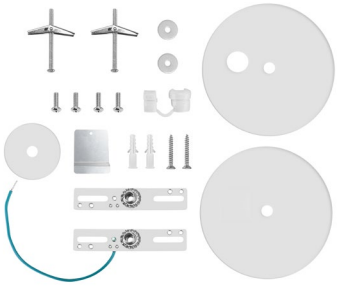
- MALL01-PC-Kit-6C-7F-W
  ALL01_Power Cord Kit_6C_7Ft_White
- MALL01-PC-Kit-6C-7F-B
  ALL01_Power Cord Kit_6C_7Ft_Black
- MALL01-PC-Kit-6C-7F-G
  ALL01_Power Cord Kit_6C_7Ft_Gray

3 AIRCRAFT CABLE PENDANT MOUNT KIT



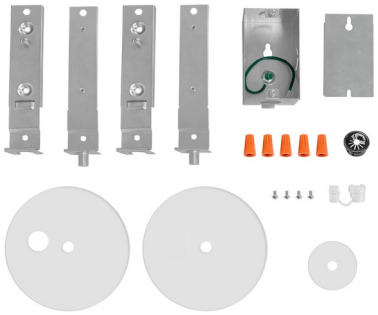
- MALL01-SCD-Kit-7F
  ALL01_Aircraft Cable Pendant Mount Kit_7Ft
- MALL01-SCD-Kit-12F
  ALL01_Aircraft Cable Pendant Mount Kit_12Ft

4 DRY WALL PENDANT MOUNT KIT



- MALL01-DWP-Kit-W
  ALL01_Dry Wall Pendant Mount Kit_White
- MALL01-DWP-Kit-B
  ALL01_Dry Wall Pendant Mount Kit_Black
- MALL01-DWP-Kit-SG
  ALL01_Dry Wall Pendant Mount Kit_Silver Gray

5 DROP CEILING PENDANT MOUNT KIT



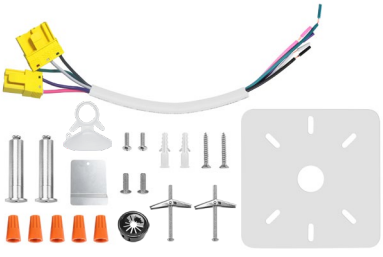
- MALL01-DCP-Kit-W
  ALL01_Drop Ceiling Pendant Mount Kit_White
- MALL01-DCP-Kit-B
  ALL01_Drop Ceiling Pendant Mount Kit_Black
- MALL01-DCP-Kit-SG
  ALL01_Drop Ceiling Pendant Mount Kit_Silver Gray

6 STRAIGHT CONNECTOR KIT



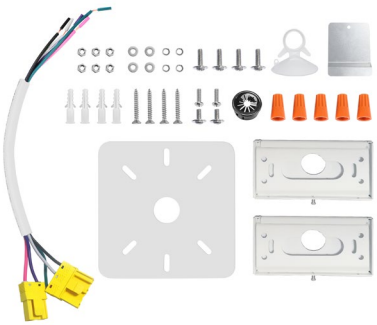
- MALL01-RM-Kit
  ALL01_Row Mount Kit

7 SURFACE MOUNT KIT



- MALL01-SM-Kit-W
  ALL01_Surface Mount Kit_White
- MALL01-SM-Kit-B
  ALL01_Surface Mount Kit_Black
- MALL01-SM-Kit-SG
  ALL01_Surface Mount Kit_Silver Gray

8 WALL MOUNT KIT



- MALL01-WM-Kit-W
  ALL01_Wall Mount Kit_White
- MALL01-WM-Kit-B
  ALL01_Wall Mount Kit_Black
- MALL01-WM-Kit-SG
  ALL01_Wall Mount Kit_Silver Gray

9 TRIM VISIBLE RECESSED MOUNT KIT



- MALL01-TVR-Kit-2F-W
  ALL01_Trim Visible Recessed Mount Kit_2Ft_White
- MALL01-TVR-Kit-4F-W
  ALL01_Trim Visible Recessed Mount Kit_4Ft_White
- MALL01-TVR-Kit-8F-W
  ALL01_Trim Visible Recessed Mount Kit_8Ft_White

10 TRIMLESS RECESSED MOUNT KIT



- MALL01-TR-Kit-2F-W
  ALL01_Trimless Recessed Mount Kit_2Ft_White
- MALL01-TR-Kit-4F-W
  ALL01_Trimless Recessed Mount Kit_4Ft_White
- MALL01-TR-Kit-8F-W
  ALL01_Trimless Recessed Mount Kit_8Ft_White

11a T-GRID RECESSED MOUNT KIT-2FT



- MALL01-TGR-Kit-2F-W
  ALL01_T-Grid Recessed Mount Kit_2Ft_White

11b T-GRID RECESSED MOUNT KIT-4FT



- MALL01-TGR-Kit-4F-W
  ALL01_T-Grid Recessed Mount Kit_4Ft_White

11c T-GRID RECESSED MOUNT KIT-8FT



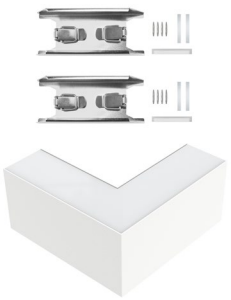
- MALL01-TGR-Kit-8F-W
  ALL01_T-Grid Recessed Mount Kit_8Ft_White

12 40FT DIFFUSER



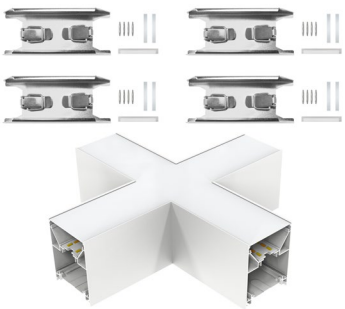
- MALL01-FD-40F-W
  ALL01_Frosted Diffuser_40Ft_White

13 L-SHAPED JOINER



- MALL01-LS-WHA
  ALL01_L Shape Corner_White _Ra80_A
- MALL01-LS-BHA
  ALL01_L Shape Corner_Black _Ra80_A
- MALL01-LS-SGHA
  ALL01_L Shape Corner_Silver Gray_Ra80_A

14 X-SHAPED JOINER



- MALL01-XS-WHA
  ALL01_X Shape Corner_White _Ra80_A
- MALL01-XS-BHA
  ALL01_X Shape Corner_Black _Ra80_A
- MALL01-XS-SGHA
  ALL01_X Shape Corner_Silver Gray_Ra80_A

15 T-SHAPED JOINER



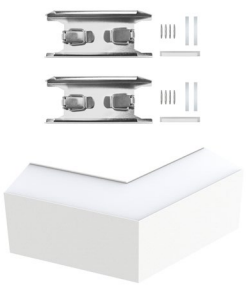
- MALL01-TS-WHA
  ALL01_T Shape Corner_White _Ra80_A
- MALL01-TS-BHA
  ALL01_T Shape Corner_Black _Ra80_A
- MALL01-TS-SGHA
  ALL01_T Shape Corner_Silver Gray_Ra80_A

16 Y-SHAPED JOINER



- MALL01-YS-WHA
  ALL01_Y Shape Corner_White _Ra80_A
- MALL01-YS-BHA
  ALL01_Y Shape Corner_Black _Ra80_A
- MALL01-YS-SGHA
  ALL01_Y Shape Corner_Silver Gray_Ra80_A

17 V-SHAPED JOINER



- MALL01-VS-WHA
  ALL01_V Shape Corner_White _Ra80_A
- MALL01-VS-BHA
  ALL01_V Shape Corner_Black _Ra80_A
- MALL01-VS-SGHA
  ALL01_V Shape Corner_Silver Gray_Ra80_A

ORDERING GUIDE

Example: MALL01 2F 20W 27V DDK Y Y Y Y Y Y Y Y Y Y

Fixture Type	Size	Power	Voltage	CCT	Finish	Light Coinfiguration	Optics (Direct)	Optics (Indirect)	Direct/Indirect Light Output Ratio	CRI	Driver	Sensor	Emergency Battery	Mounting	Internal Code
MALL01 Architectural Linear Light Series	**2F** 2FT **4F** 4FT **6F** 6FT **8F** 8FT	**20W** 20Watts **40W** 40Watts **60W** 60Watts **80W** 80Watts	**27V** 120-277V	**DDK** Selectable Color Temperature **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K	**B** Black **W** White **SG** Silver Gray	**D** Direct (Down Light) **I** Indirect (Up Light) **ID** Indirect/Direct (Up and Down Light)	**D** Diffuser **L** Louver **UGL** UGR Louver **HL** Hex Louver **A** Asymmetric **DA** Double Side Asymmetric **BL** Black Lens **W** Wall Wash **G** 1/4-Glow **R** Regress	**D** Diffuser **B** Batwing **S** Single **Blank**	**01** Down 100% **37** Up 30% Down 70% **55** Up 50% Down 50% **73** Up 70% Down 30% **10** Up 100% **Blank**	**H** 80 **Y** 90	**D** 0-10V Dimming **TW** Tunable White **DTW** Dim to Warm **BD** Bluetooth Dimming	**M** With Sensor **Blank** Without Sensor	**B** Emergency Battery **Blank** Without Emergency Battery	**DWP** Dry Wall Pendant **DCP** Drop Ceiling Pendant **SM** Surface Mount **WM** Wall Mount **TR** Trimless Recess **TVR** Trim Visible Recess **TGR** T-Grid Recess **Blank**	**Blank** **Alphanumeric**