

Project Name:

Type:

Quantity:

FIXTURE SPECIFICATIONS

INTENDED USE

Our acoustic light fixture in acoustic felt made in 100 percent virgin polyester features simple elements for integrating lighting with smart acoustic solutions. The downlight goes to the source of noise for optimal sound absorption while yielding design versatility for any surface-mounted need. This light suits certain spaces, such as open office space, lobbies, reception areas and corridors, and other commercial interiors requiring reduced reverberation. Available in a range of felt colors and custom lengths. Ideal for intelligent and stylized acoustic lighting.

FEATURES

Construction: Die-formed and welded 22-gauge cold rolled steel with sound absorbing felt material NRC-rated (Noise reduction coefficient)

Continuous Run: Full ability to tandem mount for continuous run application

Noise Reduction Material: 100% virgin polyester pewter and slate acoustic felt colors are standard. See page 2 for premium felt colors offered

Lens: Glare-free snap in acrylic for even distribution

Voltage: 0-10V @ 120-277V, TRIAC & ELV @ 120V

50/60 Hz constant current

Dimming: 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)

Optional Controls: Lutron Vive, Lutron Ecosystem, Philips

EasySense, Siemens Enlightend

CRI: 80+ is standard, 90+ optional

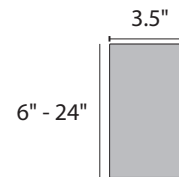
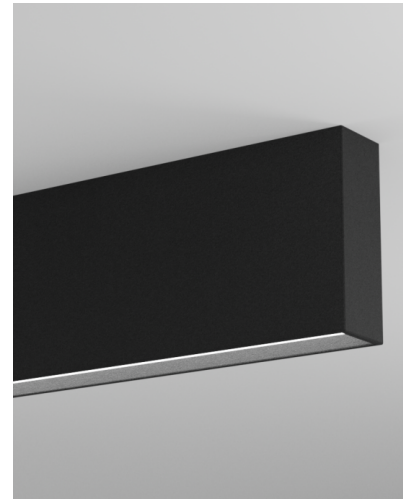
Life: +60,000 Reported L70 Hours @ 55°C

Operating Temperature: 4°F (-20°C) ~ 122°F (50°C).

Warranty: 5 Years carefree for parts & components

(Labor not included)

Listings: UL/cUL Listed, UL listed for damp location, DLC listed, CEC Compliant EM



ORDERING INFORMATION Example: (12101-20-S-4-8-D36-27K-PW-FLT-TRI-8)

					Single Run									
Model	Length	Height	LED Downlight	Shape	2', 3', 4', 6' or 8'		Color Temperature	Acoustic Felt Finish	Design	Dimming	CRI	Optional Controls	Options	
12101-20-S	2 2-foot	6 6-inches	D18 18 Watts 2936 lms	S Single Run	Cont. Run		27K ^{Standard} 2700K	SM ^{Standard} Smoke	FLT Flat	010 ^{Standard} 0-10V 5-Wire	8 ^{Standard} 80+ CRI	Blank No Controls	Blank No Options	
	3 3-foot	8 8-inches	D27 27 Watts 3696 lms	CR Continuous Run	Specify Run Length in Feet		30K 3000K	PW Pewter	REG 1/2-Inch Regressed	TRI TRIAC Forward Phase 2-Wire	9 90+ CRI	WWR-WH ¹ Tunable White Wireless Wall Remote White Finish	EM5 5W Emergency Backup Battery	
	4 4-foot	10 10-inches	D36 36 Watts 3964 lms	RC ² Rectangle	Rectangle		35K 3500K	SL Slate					EM8 8W Emergency Backup Battery	
	6 6-foot	12 12-inches	D54 54 Watts 5868 lms		W L		40K 4000K	XX Custom premium colors (Specify from chart on page 2)		ELV Electronic Low Voltage Reverse Phase 3-Wire		WWR-BK ¹ Tunable White Wireless Wall Remote Black Finish	EM16 16W Emergency Backup Battery	
	8 XX Custom Run (available in 1-foot increments only)	XX Custom (maximum 24" in 2" increments)	Wireless Tunable White DLO ¹ 1920 lms	SQ ² Square	Square		50K 5000K			050 Tunable White 0-10V		WDR-BK ¹ Tunable White Wireless Desktop Remote Black Finish	OS Occupancy Sensor w/ Daylight Harvesting	
			DHO ¹ 3072 lms	X ² Cross	W L		TW2750 ³ Tunable White 2700-5000K						DS Daylight Dimming Photo Sensor	
			UP ³ Unlighted Panel		Cross		TW2065 ³ Tunable White 2000-6500K							
				T ² Tee	Leg 1 Leg 2		TW2762 ^{1, 4} Wireless Tunable White 2700-6200K							
				90 ² 90°	Top Leg Base Leg									
				135 ² 135°	90° or 135°									
					Long Leg Short Leg									

¹ Must specify Wall or Desktop Remote Wireless Control for Wireless

² Length minimum 2-foot

³ Must be paired with 050 dimming

¹ Must specify Wall or Desktop Remote Wireless Control for Wireless Tunable White

2 Length minimum 2-foot

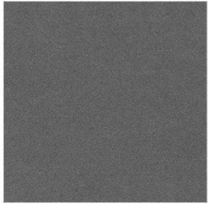
3 Must be paired with 050 dimmings

4 Must specify for Wireless Tunable White

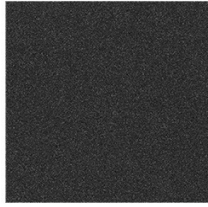
5 Length, Height, Shape, Acoustical Felt Finish, and Mount Type only required to specify this model

Sound Absorbing Material Options

Standard

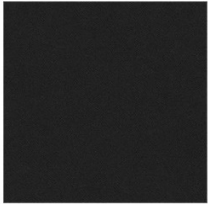


PW: Pewter

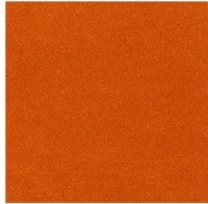


SL: Slate

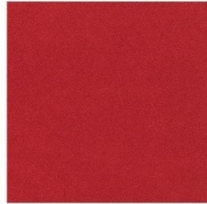
Premium



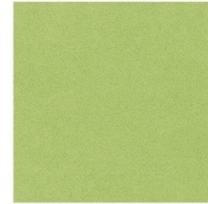
TR: Tar



MD: Mandarin

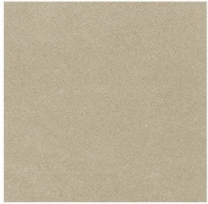


OC: Ochre

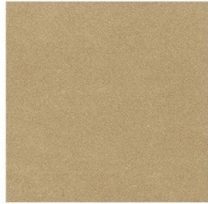


GR: Grass

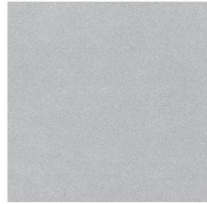
FO: Frost



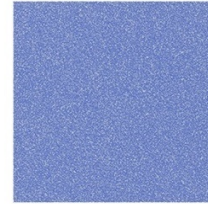
LN: Linen



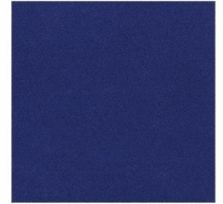
EC: ECRU



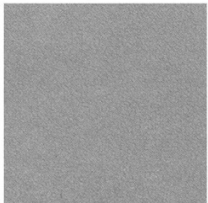
CH: Chambary



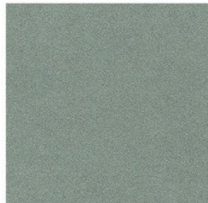
SK: Sky



CB: Cobalt



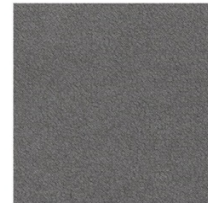
GE: Greige



CD: Cadet



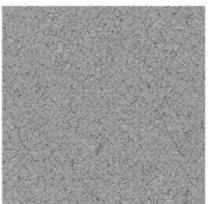
MC: Malachite



FO: Fossil



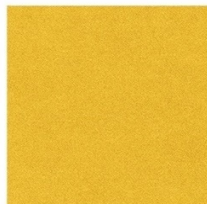
IV: Ivory



SM: Smoke



BR: Bark



SS: Sunshine

Premium fees and longer lead time will be applied on non-standard options.

Compatible Dimmers

0-10V Tunable White

For use with TW2750 & TW2065

Must order two to control

Dimming + ON/OFF & color temp tuning

MFG	Triac	ELV	0-10V	
	TG-600P	DVELV-303P	NTSTV	DVTV
	LG-600P	SELV-300P	NFTV	DVSTV
	TGCL-153P	MAELV-600	DVSTV	
	DV-600P	FAELV-500		
	DVCL-153P			
	S-603PG			
	CT-103P			
	S-600P			
	6161	IPE04	IP710-DLZ	
	6633-P	VPE06-1LZ		
	6683			
	6631-2			
	IPI06-1LZ			

Wireless Control Tunable White

	Wall	Desktop
Dimensions	L - 4 3/8" x W - 3 1/4" x D - 1 3/4"	L - 4 3/8" x W - 3 1/4" x D - 2 1/2"
Weight	0.35 lbs	
Dimming Type	PWM	
Signal Type	RF (Radio Frequency) 434 MHz/868MHz	
Range	100ft from fixture	
Maximum Load	24V @ DC 480W	
Working Temperature	-20°F to 140°F (-28°C to 60°C)	
Battery	3V (CR2032 Battery)	

Wall



Desktop



Photometrics

12101-20-S-D27-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	555 FC	3.9 FT 3.1 FT
3.3FT	147 FC	7.6 FT 6.1 FT
5.0FT	64.1 FC	11.6 FT 9.2 FT
6.7FT	35.7 FC	15.5 FT 12.3 FT
8.3FT	23.3 FC	19.2 FT 15.2 FT
10.0FT	16.0 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12101-20-S-D54-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	993 FC	3.9 FT 3.1 FT
3.3FT	263 FC	7.6 FT 6.1 FT
5.0FT	115 FC	11.6 FT 9.2 FT
6.7FT	63.9 FC	15.5 FT 12.3 FT
8.3FT	41.6 FC	19.2 FT 15.2 FT
10.0FT	28.7 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12101-20-S-D27-6
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	846 FC	3.9 FT 3.1 FT
3.3FT	225 FC	7.6 FT 6.1 FT
5.0FT	97.8 FC	11.6 FT 9.2 FT
6.7FT	54.5 FC	15.5 FT 12.3 FT
8.3FT	35.5 FC	19.2 FT 15.2 FT
10.0FT	24.5 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

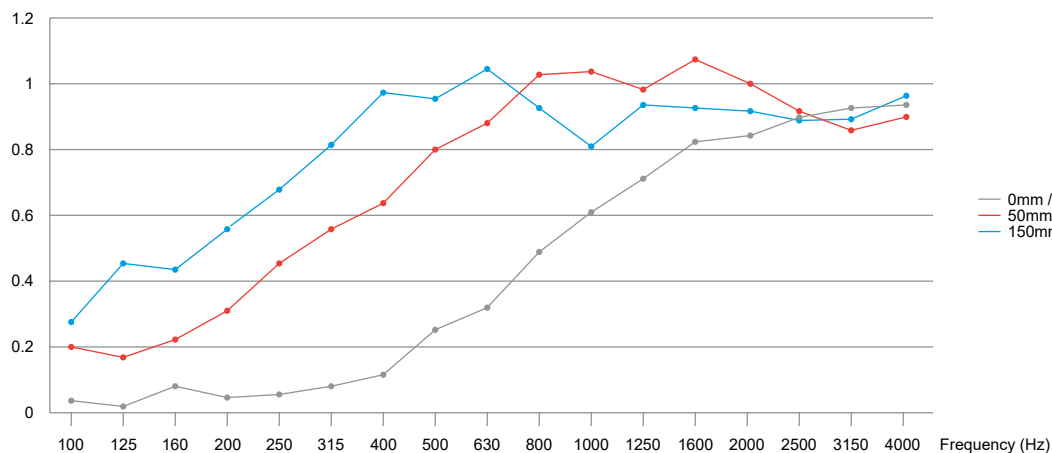
12101-20-S-D54-8
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1,986 FC	3.9 FT 3.1 FT
3.3FT	527 FC	7.6 FT 6.1 FT
5.0FT	230 FC	11.6 FT 9.2 FT
6.7FT	128 FC	15.5 FT 12.3 FT
8.3FT	83.3 FC	19.2 FT 15.2 FT
10.0FT	54.7 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

Noise Reduction Coefficient Comparison

Frequency/Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	a	NRC
0mm / 0"	0.03	0.01	0.09	0.04	0.05	0.09	0.12	0.25	0.32	0.49	0.61	0.72	0.82	0.85	0.91	0.94	0.95	0.44	0.45
50mm / 2"	0.20	0.16	0.22	0.32	0.46	0.56	0.63	0.80	0.89	1.03	1.04	0.99	1.07	1.00	0.93	0.87	0.92	0.81	0.80
150mm / 6"	0.29	0.46	0.44	0.57	0.68	0.81	0.97	0.96	0.91	1.04	0.92	0.80	0.94	0.94	0.91	0.90	0.91	0.97	0.90



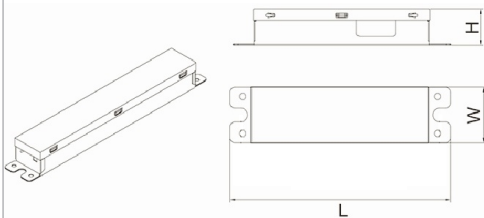
Emergency Battery Wiring

BATTERY CHART

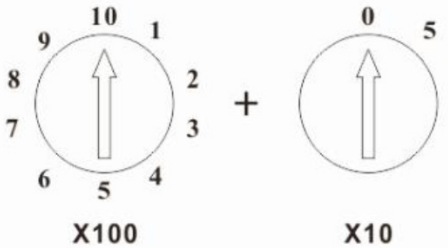
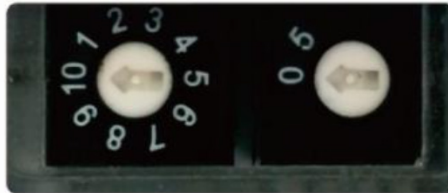
Wattage: Max load for 90 minutes

Battery Oder Code	Dimension (LxWxH)	Battery Type	Capacity	Wattage	Battery Voltage	Re-Charging Time
EM5	8.1" x 1.10" x 0.84"	LiFePO4	1000mAH	5W	9.6V	24 Hrs
EM8	8.1" x 1.10" x 0.84"		1500mAH	8W		24 Hrs
EM16	9.37" x 1.22" x 1.20"		3000mAH	16W		32 Hrs

Battery Dimensions



Program Switch



Features

Programmable Constant Current

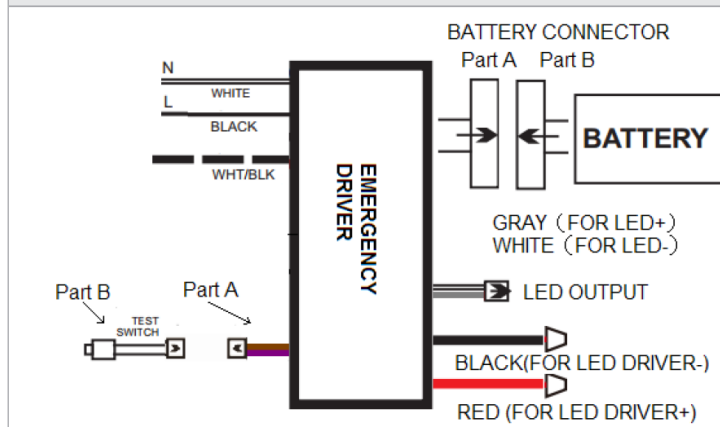
- Pre-set by factory
- User Adjustable

Adjustable Output Current

- 10 range
- 50mA per scal

WIRING DIAGRAM

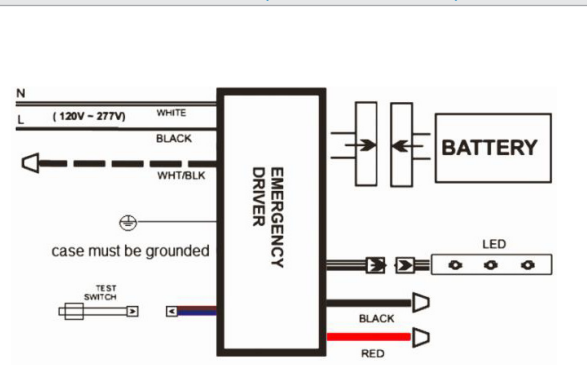
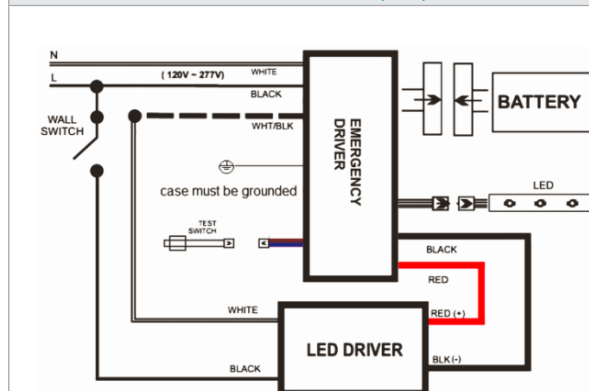
WIRE TYPE



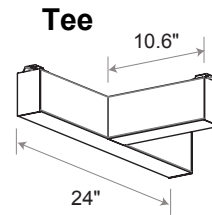
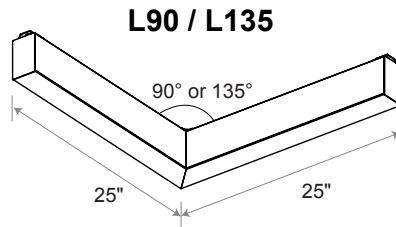
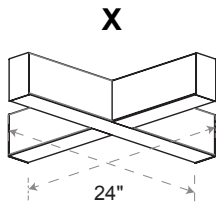
Wire	Length (in)
White	13.0
Black	13.0
White/Black	35.0
Battery Connector (Part A)	18.0
Battery Connector (Part B)	12.0
Test Switch (Part A)	1
Test Switch (Part B)	24.0
Black (for LED Driver-)	35.0
Red (for LED Driver+)	35.0
LED OUTPUT	35.0

WIRING DIAGRAM (TYP)

WIRING DIAGRAM (EMERGENCY ONLY)



Shapes



COLOR TEMPERATURE GUIDE

