

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

The Alcon Lighting 12138 Slim LED Direct and Indirect Linear Light combines a sleek profile with high-performance illumination, making it a versatile choice for conference rooms, open offices, retail spaces, and other design-driven environments. By delivering both direct and indirect light, it provides balanced, glare-free illumination that enhances visual comfort and spatial quality. Compatible with T-grid ceilings as well as drywall installations, this specification-grade fixture is damp rated, ensuring reliable performance in a wide range of commercial, institutional, and architectural settings.

FEATURES

Construction: Extruded aluminum housing with powder coat finish
Lens: Polycarbonate flat design delivers consistent, glare-controlled illumination
Beam Angle: 127.6°
Dimming Driver: 0-10V dims to 10%
Emergency Battery: External 90 min. w/ test switch
Color Temperature: 30/35/40K selectable switch
Light Distribution: Direct & Indirect
Voltage: 110-277V
Power Factor: >0.9
THD: <20%
Operating Temperature: -4°F to +104°F (-20°C to +40°C)
CRI: 80+
Life: 50,000 Hours
Warranty: 5 Years carefree for parts & components (Labor not included)
Listings: UL listed for damp locations



Size	Wattage	CCT	Lumens	Efficacy
4'	40W	3000K	4000 lm	1000 lm/ft
		3500K	4400 lm	1100 lm/ft
		4000K		
6'	60W	3000K	6000 lm	1000 lm/ft
		3500K	6600 lm	1100 lm/ft
		4000K		



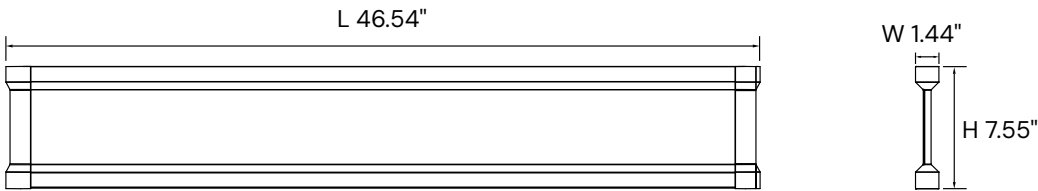
ORDERING INFORMATION Example:

Model	Size	Finish	Ceiling	Cable ¹	Canopy Shape ¹	Options
12138	4 4'	WH White	H Hard / Drywall J-Box Mount	AC5 5' Adjustable Aircraft Cable	R Round	XEM8 8W External
	6 6'	BK Black	S9 Screw Slot Grid 9/16"	AC12 12' Adjustable Aircraft Cable	S Square	Emergency Battery
			S15 Screw Slot Grid 15/16"			XEM25 25W External
			T T-bar Grid 9/16" & 15/16"			Emergency Battery
						OS ² Occupancy Sensor

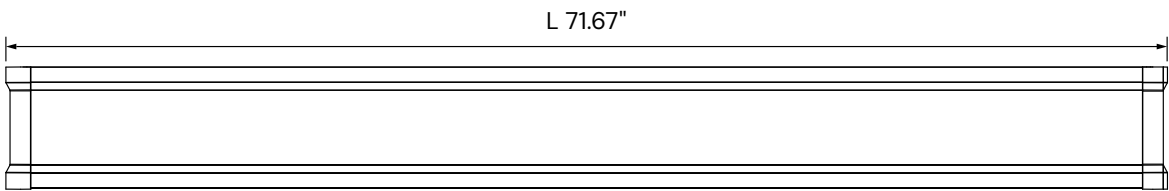
¹ Finish matches the mount
² Available only with round canopy

LINE DRAWINGS & DIMENSIONS

4 Feet

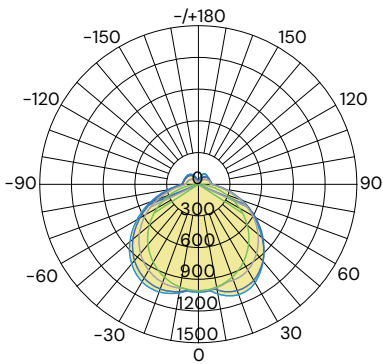


6 Feet



PHOTOMETRY

4'/ Flat Lens / 4000K



AVERAGE BEAM ANGLE (50%): 127.6°

Lumens: 4207.22 lm
Watts: 40W
LPW: 109.62 Lm/W

UNIT:cd
— C0/180, 133.5°
— C30/210, 133.5°
— C60/240, 129.7°
— C90/270, 113.6°

Zonal Flux Diagram

T	CO	C45	C90	C135	C180
10	1053	996.2	987.9	1012	1043
20	1112	1025	935.3	1018	1084
30	1075	1000	851.2	979	1066
40	952.5	915.2	739.6	893.5	983.6
50	787	783.7	604.5	766.6	847
60	604.9	620.6	449.1	605.5	672.5
70	416.6	440.5	278.3	424.8	478.8
80	242.5	258.5	110	247.3	289.8
90	123.9	130.3	2.74	143.7	159
100	120.5	119.6	3.909	133.9	146.8
110	113.3	116.8	3.829	126	141.1
120	112.3	109.1	3.944	117.6	138
130	113.7	92.03	4.77	106	134.2
140	118.4	77.33	2.787	89.37	124.8
150	116.1	59.57	3.139	66.65	103.9
160	87.65	43.48	3.301	37.76	67.08
170	21.87	20.75	3.302	4.479	15.56
180	2.967	3.143	3.211	3.161	2.963
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	Φ total
0-10	96
10-20	384
20-30	846.1
30-40	1431
40-50	2063
50-60	2662
60-70	3155
70-80	3491
80-90	3668
90-100	3787
100-110	3896
110-120	3991
120-130	4071
130-140	4133
140-150	4176
150-160	4199
160-170	4207
170-180	4207
UNIT: lm	

Luminance cd/(m2)

G(DEG)	CO/180	C90/270
85	67852	17105
80	48154	21840
75	43431	25467
70	42007	28059
65	41821	29829
60	41716	30971
55	41730	31807
50	42217	32429
45	42641	32896

AVAILABLE MOUNTINGS

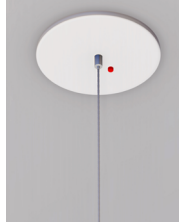
Pendant Canopy Style



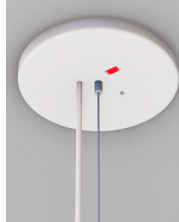
1.6" Round
(Non-Power Feed)



4.5" Round
(Power Feed)



4.5" Round with
Emergency Driver
(Non-Power Feed)



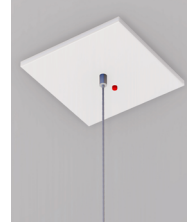
5.8" Round with
Occupancy
Sensor
(Power Feed)



1.6" Square
(Non-Power Feed)



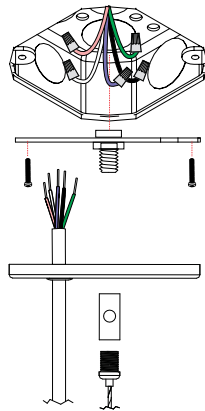
4.5" Square
(Power Feed)



4.5" Square with
Emergency Driver
(Non-Power Feed)

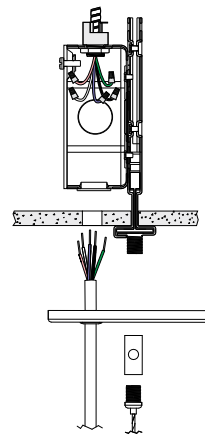
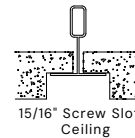
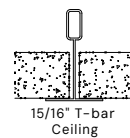
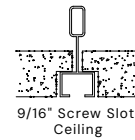
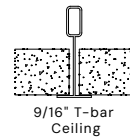
Hard Drywall Ceiling

Mount to J-box



Grid Ceiling

Compatible with 9/16" and 15/16" T-bar and Screw Slot

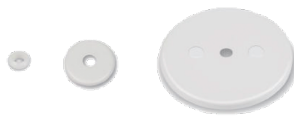


Pendant Accessories for Hard Drywall and Grid Ceiling (Included)

Hard Drywall Ceiling Canopy Kits



Grid Ceiling Canopy Kits



Junction Box



Aircraft Cable Kits



Power Cord Kits



T-grid Clips



EXTERNAL EMERGENCY BATTERY WITH TEST SWITCH

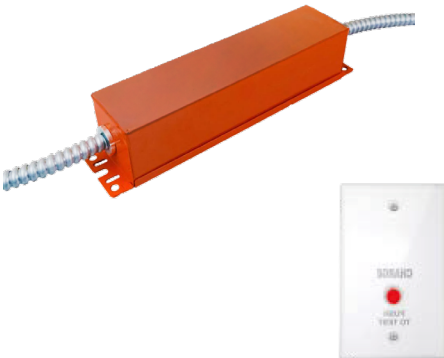


All mounting options come with UL and CEC Listed LED emergency drivers. In the event of an AC power failure, the system automatically switches to emergency mode, providing at least 90 minutes of illumination. Once power is restored, it seamlessly returns to charging mode, ensuring compliance with critical life-safety lighting requirements.

Choose between 8W or 25W emergency back-up battery to ensure essential lighting during power outages.

These options also simplify wiring, helping to reduce labor costs.

Code-Required Testing Switch



First Self-Test:

The system will conduct a functional test 3 seconds after installation to verify wiring and battery output. If there is a failure or error, the indicator LED will turn off or flicker.

Second Self-Test:

A second test will occur 120 minutes later to recheck the system. If the test fails, it will automatically repeat up to 4 times, every 120 minutes.

Monthly Self-Test:

The system will perform an automatic test every 30 days, lasting 3 seconds, to check wiring and battery output. In the event of a failure or error, the indicator LED will turn off or flicker.

OCCUPANCY SENSOR

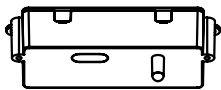


This internal microwave bi-level sensor system control is based on motion and/or daylight contribution with a harvest feature, detecting a 360° range for some areas that require a light change notice before switching off.



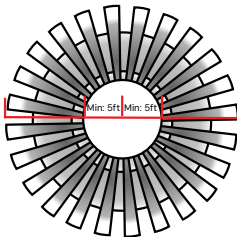
Specification

Power Supply	120/277 VAC 50/60Hz
Maximum load @ -40°F ~ +158°F (-40°C ~ +70°C)	Resistive/ Tungsten 600W @ 120V Electronic Ballast (LED) 800VA @ 120V, 1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, Max 0.25mA sinking current
Detection Radius/Angle	Max 26ft. (8m)/360
Mounting Height	Max 12ft
Humidity	Max 95% RH
Temperature	-40°F ~ +158°F (-40°C ~ +70°C)



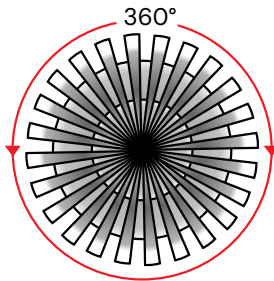
Height of installation 8~12ft

Max: 26ft



(Height of installation 8ft)
Detection Range

Max: 26ft



Detection Angle

COMPATIBLE DIMMERS

			
0-10 V	2100 2101 2102	Diva DDTV	IP-710-DL

COLOR TEMPERATURE GUIDE

