

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

Alcon Lighting's Lasered-Glass Lens Decorative LED Linear Suspension Light has a 4-foot and 8-foot white housing with a lasered glass lens for evenly diffused light. The advanced LED optical system provides architectural downlighting and uplighting with a color temperature switch that allows color temperature to be field-adjusted between 3000K, 3500K and 4000K, reaching 55% downlighting and 45% uplighting. Ideal for commercial or residential applications, this architectural suspension light is designed for t-bar or hard ceiling installations.

FEATURES

Construction: Aluminum
Mounting: Pendant mount with adjustable 4' and 12' aircraft cable
Finish: White powder coat
Lens: Decorative Glass
CCT Selectable: 3000K, 3500K, 4000K
Light Distribution: Downlight - 55%, Uplight - 45%
Wattage: 40W per 4ft
Voltage: 110-277V
Driver: 1-10V dimming down to 10%.
Power Factor: >0.90
THD: <20%
CRI: 80+
Operating Temperature: -20~40°C.
Warranty: 5 years carefree for parts & components (Labor not included)
Listing: UL, cUL Listed, DLC Qualification, Suitable for damp location rated



Size	Wattage	Lumens
8"x 4'	40W	4800 lm
8"x 8'	80W	9600 lm



ORDERING INFORMATION Example:

Model	Length	Ceiling Type	Canopy	Pendant Cord	Options
12112	4 4 Foot 8 8 Foot CR ¹ Continuous Run	H Hard / Dry Wall J-Box Mount T ² T-bar Grid 9/16" & 15/16" S9 Screw Slot Grid 9/16" S15 Screw Slot Grid 15/16"	R ³ Round S ³ Square	AC4 4' Adjustable Aircraft Cable AC12 12' Adjustable Aircraft Cable	OS ⁴ Occupancy Sensor EM8X ⁵ 8W External Emergency Battery EM25X ^{5,6} 25W External Emergency Battery

¹ See Chart on Pg. 4.

² Suitable for 9/16" and 15/16" T-Bar Ceiling.

³ See further information on Pg. 2.

⁴ Only compatible with 5.8" Round With Occupancy Sensor Canopy.

⁵ Only compatible with 4R and 4S canopy types.

⁶ Available for 40W only.

AVAILABLE MOUNTINGS

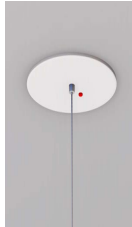
Pendant Canopy Style



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)



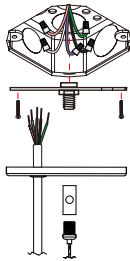
4.5" Square
(Power Feed)



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

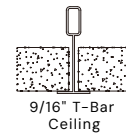
Hard Dry Wall Ceiling

Mount to J-box



Grid Ceiling

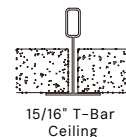
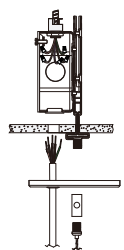
Compatible with 9/16" and 15/16" T-Bar and Screw Slot



9/16" T-Bar
Ceiling



9/16" Screw Slot
Ceiling



15/16" T-Bar
Ceiling



15/16" Screw Slot
Ceiling

Pendant Accessories For Hard Ceiling For 4'

Hard Dry Wall Ceiling Canopy Kits



Mounting Kits

Pendant Accessories For Drop Ceiling For 4'

Drop Ceiling Canopy Kits

Junction Box



Mounting Kits



4' Standard
(12' Available)



5FT Standard
(12' Available)



Junction Plate



4' Standard
(12' Available)



5' Standard
(12' Available)



Junction Plate

T-grid Clips



For 9/16" and 15/16"
T-Bar Ceiling
(2 Clips/Set)



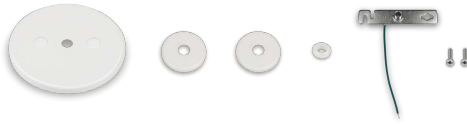
For 9/16"
Screw Slot Ceiling
(2 Clips/Set)



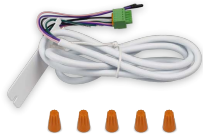
For 15/16"
Screw Slot Ceiling
(2 Clips/Set)

Pendant Accessories For Dry Ceiling For 8'

Canopy Kits



Mounting Kits



5' Standard
(12' Available)



5' Standard
(12' Available)



Junction Plate



Pendant Accessories For Drop Ceiling For 8'

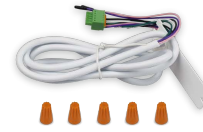
Canopy Kits



Junction Box



Mounting Kits



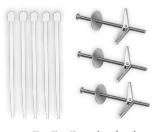
4' Standard
(12' Available)



5' Standard
(12' Available)



Junction Plate



T-grid Clips



For 9/16\" and 15/16\"
T-Bar Ceiling
(2 Clips/Set)



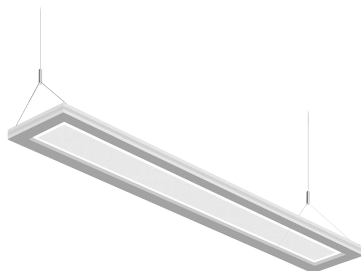
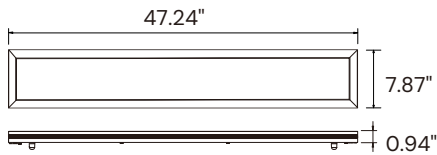
For 9/16\"
Screw Slot Ceiling
(2 Clips/Set)



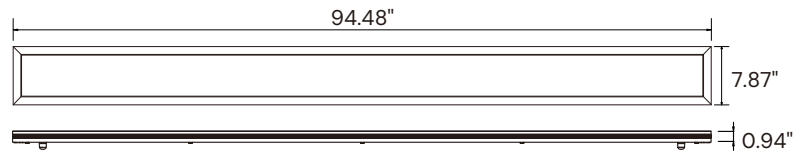
For 15/16\"
Screw Slot Ceiling
(2 Clips/Set)

LINE DRAWINGS

12112-4



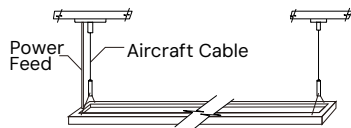
12112-8



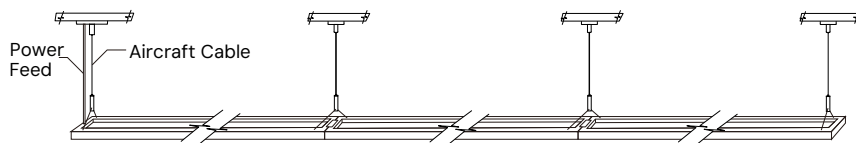
CONTINUOUS RUN CHART (120V)

Run Length (ft)	Run Configuration	Run Joiner	Power Cable	Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6
42	8'+8'+8'+8'+8'+2'	5	2	7	7

Individual



Continuous Run



The maximum connection of each input line is up to 40FT in 120AC, 100FT in 277AC.

- 4' Connect 9pcs together in 120V and 20pcs in 277V
- 8' Connect 4pcs together in 120V and 10pcs in 277V

EXTERNAL EMERGENCY BATTERY

With our External Emergency Battery, when AC power fails, it immediately switches to emergency mode, providing lighting for a minimum of 90 minutes. Once AC power is restored, it automatically returns to charging mode, meeting critical life-safety lighting requirements.



Optional 8W or 25W high voltage LED emergency driver can be provided if you need and do it wiring in field. For more info or spec sheet please visit our, website or contact sales.



Code-Required Testing

- **Initial Self-Test After Installation:** It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.
- **Second Self-Test In 120 Minutes:** It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.
- **Monthly Self-Test:** It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.

OCCUPANCY SENSOR



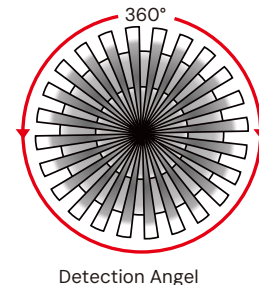
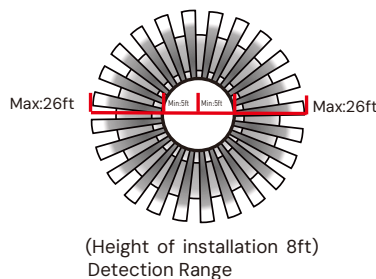
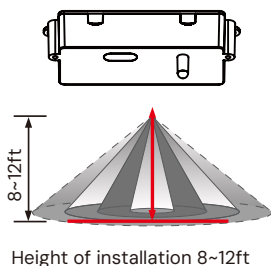
We offer a factory-installed integrated sensor system for multi-level control, utilizing the BRI810-B-D level and daylight harvest microwave sensor from SHARKWARD, which effectively manages lighting based on motion and daylight contributions.



Specification

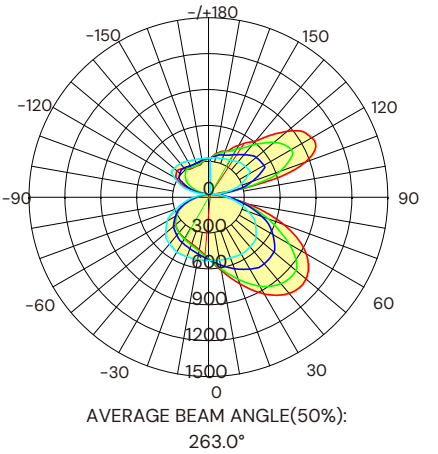
Power Supply	120/277 VAC 50/60Hz
Maximum load @ -40°F~+158°F (-40°C~+70°C)	Resistive/ Tungsten-600W@120V Electronic Ballast(LED)-800VA@120V/1200VA@277V
HF System	5.8GHz CW
Dim Control Output	0-10V,max.25mA sinking current
Detection Radius/angle	Max 26ft.(8m)/360
Mounting Height	Max 12ft
Humidity	Max.95% RH
Temperature	-40°F~+158°F (-40°C~+70°C)

Sensor Coverage



PHOTOMETRY

8"x4' 3000K



Lumens: 4618.08
Lm Watts: 40 W
LPW: 121.18 Lm/W
CCT: 3000K

UNIT:cd
— C0/180, 151.6°
— C30/210, 180.2°
— C60/240, 360.0°
— C90/270, 360.0°

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
5	605.5	590.4	555.7	525.5	513.5
10	667.7	631.2	557.2	502.3	482.7
15	738.7	675.9	558.8	483.6	460.1
20	816.4	723.2	560.9	469.0	444.8
25	895.5	767.4	562.9	458.4	434.6
30	969.2	807.0	565.0	449.8	427.4
35	1029	838.6	555.6	442.1	420.7
40	1068	858.3	546.1	432.2	412.2
45	1080	848.0	536.7	407.6	400.1
50	1058	821.9	500.2	374.0	383.0
55	998.1	775.5	463.7	332.2	357.8
60	902.1	670.1	427.2	285.2	325.4
65	756.3	547.0	356.5	237.9	279.6
70	563.9	413.1	285.8	187.5	219.7
75	343.7	270.4	215.1	132.7	146.5
80	116.9	138.8	144.0	81.32	54.69
85	2.771	69.37	72.99	41.71	17.09
90	1.200	2.362	1.952	3.282	1.179
95	1.739	55.62	20.43	30.93	9.619
100	264.0	244.5	158.3	97.05	56.23
105	658.9	376.4	236.4	170.5	186.1
110	876.9	500.0	286.2	246.4	258.9
115	972.9	578.6	336.0	301.5	313.2
120	964.2	599.1	385.8	327.6	332.1
125	921.2	599.8	380.0	340.2	342.0
130	815.7	567.5	374.2	329.4	328.9
135	694.5	512.4	368.4	311.9	303.7
140	580.0	470.1	355.2	292.1	277.5
145	526.4	444.4	342.0	287.8	268.6
150	472.9	411.5	328.8	284.1	265.1
155	426.0	389.2	323.1	280.8	264.2
160	382.7	368.5	317.5	284.3	261.7
165	372.3	352.0	311.8	289.9	274.7
170	351.0	340.3	309.9	297.5	287.7
175	327.4	319.2	308.0	304.8	299.0
180	306.1	306.1	306.1	306.1	302.0
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

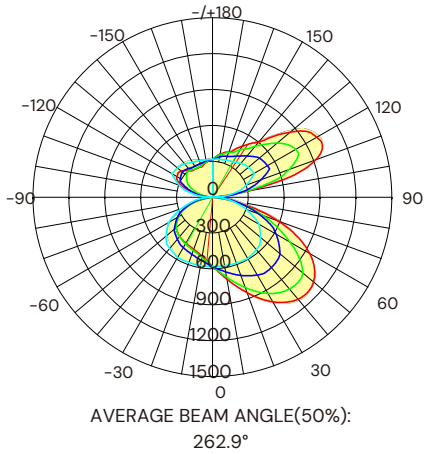
Y	φ total
0-5	13.29
5-10	53.50
10-15	121.4
15-20	218.2
20-25	344.8
25-30	501.9
30-35	688.6
35-40	901.8
40-45	1137
45-50	1387
50-55	1639
55-60	1882
60-65	2104
65-70	2289
70-75	2428
75-80	2518
80-85	2563
85-90	2577
90-95	2593
95-100	2650
100-105	2770
105-110	2942
110-115	3147
115-120	3368
120-125	3586
125-130	3787
130-135	3963
135-140	4113
140-145	4239
145-150	4344
150-155	4429
155-160	4498
160-165	4551
165-170	4588
170-175	4611
175-180	4618
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	132	3489
80	2804	3456
75	5533	3462
70	6870	3481
65	7457	3514
60	7517	3560
55	7251	3368
50	6858	3242
45	6362	3163

PHOTOMETRY

8"x4' 3500K



Lumens: 4810.9 Lm
Watts: 40 W
LPW: 130.23 Lm/W
CCT: 3500K

UNIT:cd
— C0/180, 151.7°
— C30/210, 179.7°
— C60/240, 360.0°
— C90/270, 360.0°

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
5	631.9	616.1	580.3	548.6	536.0
10	696.6	659.0	582.0	524.4	503.6
15	770.6	705.7	583.8	504.9	480.3
20	851.6	755.2	586.2	489.8	464.0
25	933.7	801.4	588.5	478.7	453.2
30	1010	842.7	590.9	469.7	445.8
35	1072	875.8	580.8	461.3	438.6
40	1113	896.2	570.8	450.5	429.8
45	1125	885.0	560.7	424.5	417.1
50	1102	857.4	500.2	374.0	383.0
55	1039	808.4	484.7	346.5	373.1
60	936.0	697.9	446.7	297.9	339.1
65	783.1	568.3	372.7	248.8	292.0
70	583.7	427.7	298.7	196.0	228.8
75	352.1	278.5	224.7	138.6	152.4
80	119.9	140.8	150.5	85.01	56.68
85	2.893	70.26	76.27	43.72	16.98
90	1.218	2.470	2.040	3.655	1.261
95	1.805	128.2	83.78	51.46	1.851
100	276.1	256.1	165.5	101.7	56.96
105	685.0	393.7	247.2	179.3	190.5
110	916.6	522.3	299.1	258.8	267.3
115	1014	603.9	351.0	314.9	323.5
120	1005	625.2	402.9	342.4	343.3
125	960.6	625.8	396.7	355.3	354.8
130	847.6	591.9	390.6	344.0	341.9
135	721.1	534.5	384.4	325.9	316.6
140	603.7	490.5	370.6	305.5	289.4
145	548.9	463.3	356.8	300.5	279.7
150	492.7	429.2	343.0	296.5	276.5
155	442.7	406.0	337.1	292.9	275.9
160	398.8	384.2	331.3	296.6	272.8
165	388.4	367.1	325.4	302.4	285.8
170	366.1	354.8	323.4	310.4	299.4
175	341.1	332.9	321.4	318.1	311.1
180	319.4	319.4	319.4	319.4	314.4
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

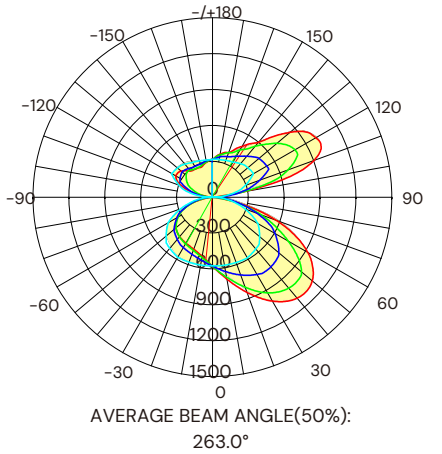
Y	φ total
0-5	13.87
5-10	55.83
10-15	126.7
15-20	227.7
20-25	359.8
25-30	523.6
30-35	718.3
35-40	940.6
40-45	1186
45-50	1446
50-55	1709
55-60	1963
60-65	2193
65-70	2385
70-75	2530
75-80	2623
80-85	2670
85-90	2684
90-95	2701
95-100	2760
100-105	2886
105-110	3064
110-115	3278
115-120	3509
120-125	3736
125-130	3945
130-135	4129
135-140	4285
140-145	4416
145-150	4525
150-155	4614
155-160	4686
160-165	4741
165-170	4780
170-175	4803
175-180	4811
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	138	3646
80	2877	3611
75	5668	3618
70	7111	3639
65	7721	3675
60	7800	3722
55	7551	3521
50	7143	3388
45	6627	3304

PHOTOMETRY

8"x4' 4000K



Lumens: 4769.73
Lm Watts: 40 W
LPW: 125.05 Lm/W
CCT: 4000K

UNIT:cd
— C0/180, 152.2°
— C30/210, 179.6°
— C60/240, 360.0°
— C90/270, 360.0°

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
5	627.5	612.0	576.4	544.9	532.3
10	691.8	654.6	578.2	521.0	500.1
15	765.0	701.1	580.1	501.6	476.9
20	845.2	750.3	582.5	486.7	460.7
25	926.7	796.2	585.0	475.3	450.0
30	1002	837.3	587.5	465.7	442.5
35	1063	870.3	577.6	456.7	435.4
40	1104	890.6	567.7	445.5	426.6
45	1115	879.4	557.8	420.0	414.1
50	1093	852.1	520.0	385.4	396.2
55	1029	803.3	482.2	342.8	370.3
60	925.6	692.3	444.4	295.9	336.2
65	773.9	562.3	370.9	247.2	289.6
70	576.5	421.9	297.3	194.7	227.3
75	351.1	273.8	223.8	137.9	151.6
80	121.6	137.2	149.9	84.87	56.50
85	3.002	68.55	76.00	43.77	16.89
90	1.246	2.661	2.088	3.893	1.280
95	2.216	127.8	83.31	53.39	1.936
100	272.1	255.0	164.5	105.1	55.83
105	679.1	391.9	245.8	176.1	190.5
110	910.0	519.6	297.4	249.3	265.8
115	1007	600.8	349.1	304.9	322.6
120	999.2	622.0	400.7	334.1	349.8
125	954.7	622.6	394.6	349.8	353.2
130	842.5	588.9	388.5	340.2	340.4
135	716.6	531.8	382.5	323.7	315.8
140	600.2	488.1	368.7	303.5	287.9
145	545.6	461.0	354.9	299.0	278.1
150	489.6	426.9	341.2	294.9	274.5
155	439.8	403.6	335.3	291.3	272.9
160	396.5	382.0	329.5	294.8	269.2
165	386.1	365.1	323.6	300.7	282.1
170	364.0	352.8	321.7	308.6	296.2
175	339.4	331.1	319.7	316.3	309.1
180	317.8	317.8	317.8	317.8	312.9
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	φ total
0-5	13.78
5-10	55.45
10-15	125.8
15-20	226.1
20-25	357.2
25-30	519.8
30-35	713.0
35-40	933.6
40-45	1177
45-50	1435
50-55	1696
55-60	1947
60-65	2175
65-70	2366
70-75	2509
75-80	2601
80-85	2647
85-90	2662
90-95	2678
95-100	2737
100-105	2861
105-110	3037
110-115	3249
115-120	3477
120-125	3702
125-130	3910
130-135	4092
135-140	4247
140-145	4378
145-150	4486
150-155	4574
155-160	4645
160-165	4700
165-170	4739
170-175	4762
175-180	4770
UNIT: lm	

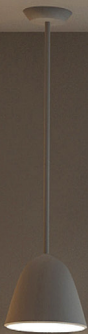
Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	144	3634
80	2917	3597
75	5652	3604
70	7023	3622
65	7630	3656
60	7713	3703
55	7476	3503
50	7083	3371
45	6571	3287

COMPATIBLE DIMMERS

	ALCON LIGHTING	LUTRON	LEVITON®
0-10 V	2100 2101 2102	Diva DVTV	IP-710-DL

COLOR TEMPERATURE GUIDE

				
2700K	3000K	3500K	4000K	5000K
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANTISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS
X	✓	✓	✓	X