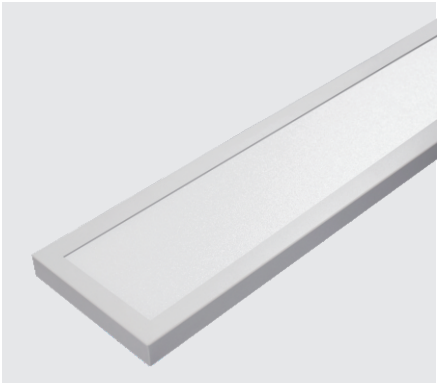
Line

Recessed | Architectural LED Linear

The revolutionary LR series features popular 4", 6" width and length up to 8', it provides powerful lines in any applications. Most of our customers have been struggling with inventory control, thanks to the wattage adjustable and CCT selectable technology, you can now fulfill more orders with fewer SKUs! It works with most ceiling types which will be your go-to-choice for offices, schools, hospital, corridor light industrial spaces or anywhere stylish lines of light are desired



Feature

Slim and linear design
2ft, 4ft and 8ft lengths, up to 1100lm/ft
Available in 4", 6" width
Wattage adjustable (50%/75%/100%)
CCT selectable from 3000K, 3500K and 4000K

PERFORMANCE

Width	Lumen Output		
	High	Medium	Low
4"	850lm/ft, 10w/ft	640lm/ft,7.5w/ft	430lm/ft, 5w/ft
6"	950lm/ft, 10w/ft	720lm/ft, 7.5w/ft	480lm/ft, 7.5w/ft

All efficacy is ±5% base on different CCT and wattage. Check the IES file to gain the accurate data .

Lighting Elements, LLC | 8509 Phoenix Dr., Manassas, VA 20119 | Ph: 410-401-5500 | www.lighting-elements.com

PRODUCT PERFORMANCE

Construction

Extruded aluminum housing

Electrical

LED Driver	External
Dimming	Powered by high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls. Tested Dimmers: Lutron ® Diva-Dvtv, Leviton ® IP-710-DL.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic driver is UL recognized and available for 120-277V AC.

LED System

CRI	Minimum 80 color rendering index
CCT	The choice of 3000K, 3500K, 4000K,5000K color temperature or CCT selectable from 3000K, 3500K and 4000K with a great color consistency.
LED	life Minimum 50,000h with 87.8% of lumen maintenance in 25℃ ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.

Mounting

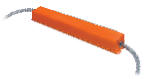
Recessed — —

Approvals

- cULus listed for damp locations
- 5-year Limited Warranty

Optional Function

Emergency Option



Optional high voltage 8W emergency LED driver EM-L08170-LBF When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements. For more info or spec sheet, please visit our website or contact sales.

Sensor Option *

We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BR1810BI-level & daylight harvest mircowave sensor from SHARKWARD. For more info or spec sheet, please contact sales.

ORDERING INFORMATION

LR				
Fixture Type	**Width**	**Length**	**Color Temp.**	**Options**
SLR Line Recessed	**4** 4 inches **6** 6 inches	**2** 2 feet **4** 4 feet **8** 8 feet	**TWT** CCT selectable (3000k/ 3500k/ 4000k); Wattage adjustable (50%, 75%, 100%)	**EM-H08170-LBF** LED Emergency Driver **DFK42** 4 inches wide by 2 feet long **DFK44** 4 inches wide by 4 feet long **DFK48** 4 inches wide by 8 feet long **DFK62** 6 inches wide by 2 feet long **DFK64** 6 inches wide by 4 feet long **DFK68** 6 inches wide by 8 feet long *DFK=Drywall Flange Kit*

S = Stocked at Virginia warehouse

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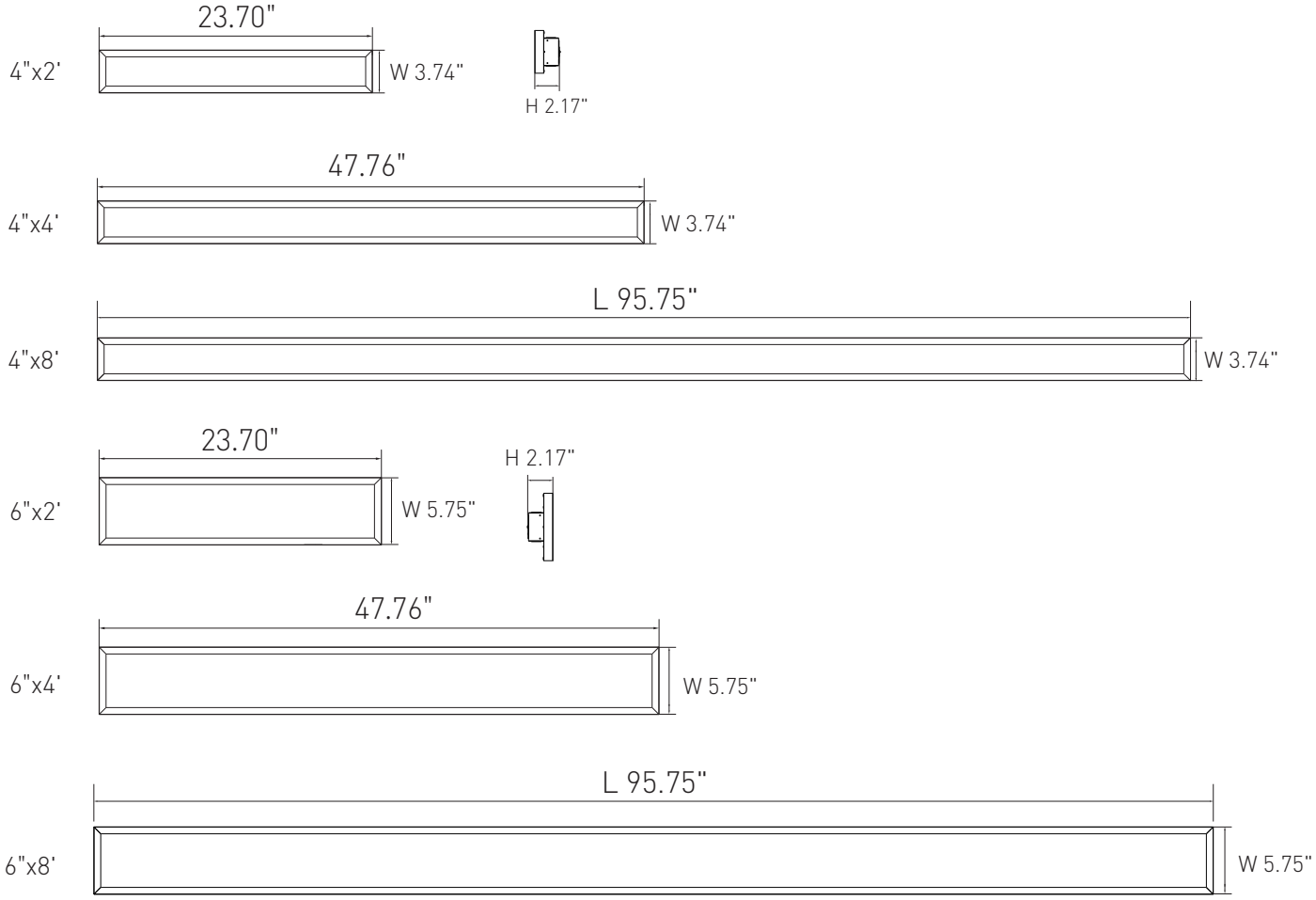
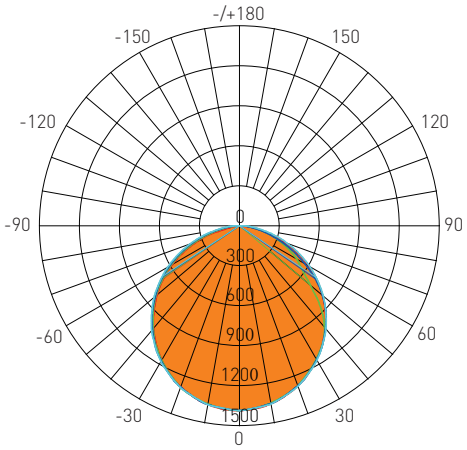
DIMENSION


4"x2'
23.70"
W 3.74"
H 2.17"
4"x4'
47.76"
W 3.74"
4"x8'
L 95.75"
W 3.74"
6"x2'
23.70"
W 5.75"
H 2.17"
6"x4'
47.76"
W 5.75"
6"x8'
L 95.75"
W 5.75"

DISTRIBUTION DIAGRAM

4"x4'



AVERAGE BEAM ANGLE(50%): 110.2°

Test Number: LR44-35E
Lumens: 3773.4 Lm
Watts: 40 W
LPW: 94.34 Lm/W
CCT: 3500K

UNIT:cd
C0/180,111.1°
C30/210,105.7 °
C60/240,111.3 °
C90/270,112.8 °

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1378	1372	1373	1374	1381
10	1357	1352	1359	1356	1362
15	1324	1322	1322	1328	1331
20	1279	1274	1284	1279	1287
25	1224	1223	1225	1226	1232
30	1159	1158	1166	1158	1165
35	1085	1084	1088	1074	1089
40	1002	1004	1010	958.2	1003
45	912.5	885.3	916.5	780.5	909.0
50	815.0	735.3	822.7	609.3	807.8
55	711.5	600.0	716.0	490.2	698.2
60	599.9	498.1	609.2	394.6	581.3
65	481.9	403.6	494.7	307.4	457.1
70	361.4	305.2	380.1	221.3	331.1
75	234.4	211.9	270.0	140.1	168.8
80	131.0	122.2	159.9	75.20	59.38
85	28.69	51.55	81.29	29.13	10.88
90	1.227	4.243	2.669	2.701	1.005

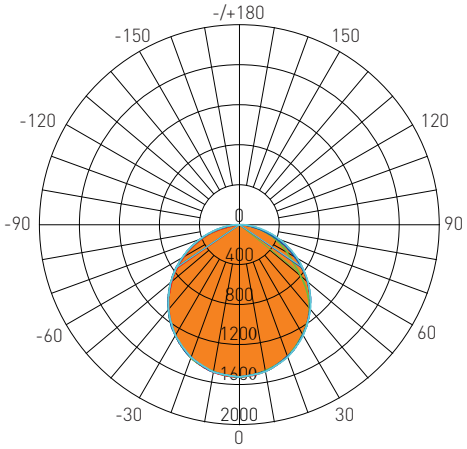
Zonal Lumens

τ	ϕ btal
0-5	32.98
5-10	130.7
10-15	289.8
15-20	504.6
20-25	767.9
25-30	1070
30-35	1402
35-40	1751
40-45	2104
45-50	2443
50-55	2757
55-60	3038
60-65	3279
65-70	3472
70-75	3616
75-80	3710
80-85	3759
85-90	3773

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	4286	12145
80	9823	11991
75	11791	13583
70	13759	14470
65	14849	15240
60	15624	15865
55	16153	16254
50	16510	16666
45	16803	16877

6"x4'



AVERAGE BEAM ANGLE(50%): 110.2°

Test Number: LR46-35E
Lumens: 4180.4 Lm
Watts: 40 W
LPW: 104.51 Lm/W
CCT: 3500K

UNIT:cd
C0/180,110.8°
C30/210,107.0 °
C60/240,111.2 °
C90/270,111.8 °

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1513	1507	1508	1510	1518
10	1489	1485	1494	1491	1498
15	1452	1452	1452	1461	1464
20	1402	1399	1411	1408	1415
25	1340	1341	1345	1349	1354
30	1268	1269	1278	1271	1280
35	1185	1186	1192	1177	1195
40	1094	1098	1105	1067	1100
45	995.5	978.4	1002	914.6	995.9
50	889.3	838.9	898.4	746.0	884.3
55	777.1	689.3	783.0	605.3	764.9
60	659.0	562.4	667.6	484.8	639.7
65	536.6	454.9	546.6	376.9	511.3
70	413.3	349.1	425.5	276.8	382.3
75	287.0	244.2	309.4	186.1	238.8
80	164.7	144.4	193.3	107.6	79.40
85	40.56	63.05	98.59	46.12	17.81
90	3.175	4.753	3.887	2.886	0.5494

Zonal Lumens

τ	ϕ btal
0-5	36.22
5-10	143.5
10-15	318.2
15-20	553.9
20-25	842.6
25-30	1174
30-35	1537
35-40	1917
40-45	2303
45-50	2677
50-55	3025
55-60	3337
60-65	3605
65-70	3824
70-75	3990
75-80	4102
80-85	4162
85-90	4180

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	3368	8185
80	6864	8054
75	8024	8650
70	8745	9002
65	9187	9358
60	9536	9662
55	9803	9878
50	10011	10113
45	10188	10249