

Slim Linear

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

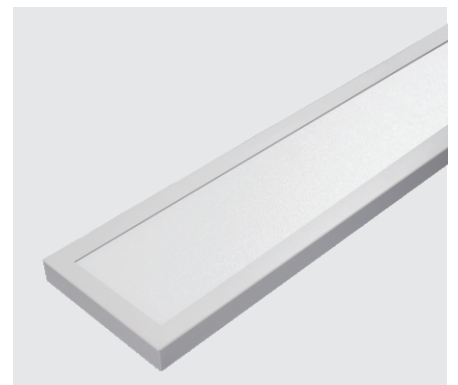
Slim and linear design

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 .

Slim Linear

Recessed | Architectural LED Linear

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°C ambient temperature, in compliance with IES LM-80 testing measurements. |
| Thermal Management | Aluminum housing acting as the heat sink to maximize life. |

Mounting

Recessed

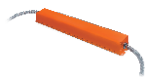
Approvals

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

Optional Function

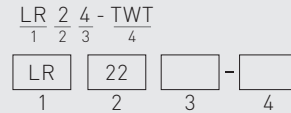
Emergency Option

Optional high voltage 8W emergency LED driver EM-L series can be provided. 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.



PRODUCT ORDERING GUIDE

Sample



1. Base Model

LR

2. Length

- 2 2feet *
- 4 4feet
- 8 8feet

3. Width

- 4 4 inch
- 6 6 inch

4. CCT

- TWT CCT selectable (3000K/3500K/4000K)
Wattage adjustable (50%/75%/100%)
(Only for 4')
- 30E 3000K *
- 35E 3500K *
- 40E 4000K *
- 50E 5000K *

OPTIONAL ORDERING GUIDE

Optional Function

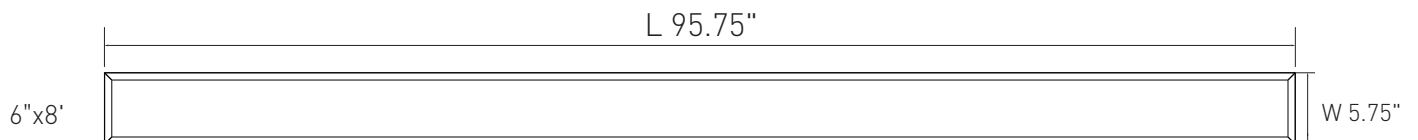
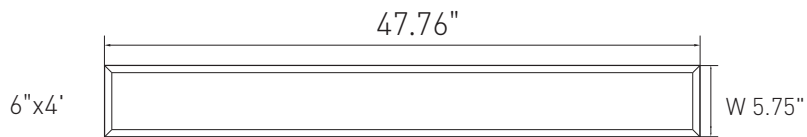
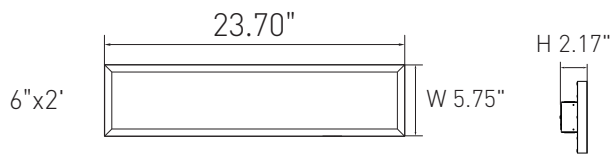
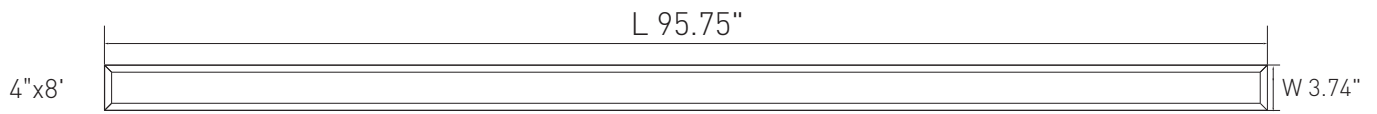
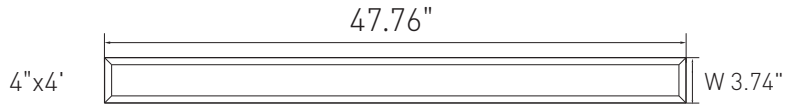
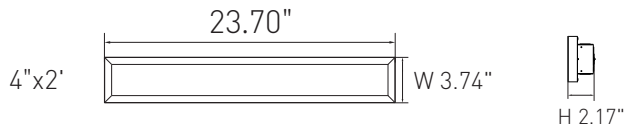
LED Emergency Driver (Order Separated)

*Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

Slim Linear

Recessed | Architectural LED Linear

DIMENSION

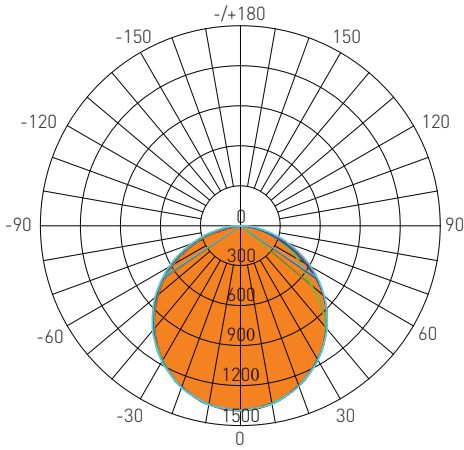


Slim Linear

Recessed | Architectural LED Linear

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 |

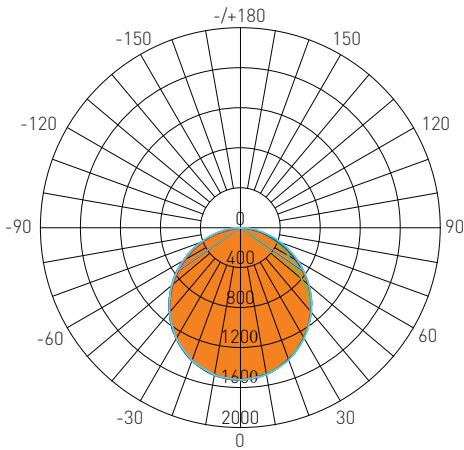
Zonal Lumens

| τ | φ total |
|-------|---------|
| 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 total |
|-------|---------|
| 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 |