

# HCULS

Pendant U-LineLinear | Surface LED Linear Lighting System

## Features:

- Unique design, indirect lighting solution
- 4' and 8' lengths, up to 140W
- High efficacy, up to 150LM/W
- Low glare, UGR<19
- 10% uplight and 90% downlight
- Continuous runs, 100FT in 120VAC, 230FT in 277VAC and 290FT in 347VAC
- Pendant or surface
- ETL and 5 years limited warranty

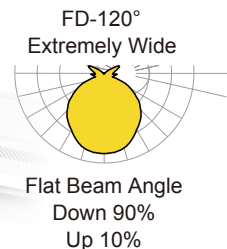
## Specifications

- Input Voltage: 100–347VAC
- Mains Frequency: 50/60Hz
- Power Factor (PF): 0.9
- Efficacy: Up to 150 LM/W
- Fixed CCT: 3500K / 4000K
- CRI: 80+
- R9: >0
- SDCM: <3
- Beam Angle: 120°
- Dimming: 0–10V
- Dimming Range: 5%–100%
- THD: <15%
- Flicker Metric Pst LM: ≤1.0
- Stroboscopic Effect Metric (SVM): ≤0.4
- Flicker Percent: ≤5%
- Operating Humidity: 10%–80%
- Storage Humidity: 10%–80%
- Ambient Temperature Ta (At L70 50,000 hrs): -25°C to 40°C
- Warranty: 5 Years Limited
- Turn-On Time (Output): ≤1s
- Output Voltage: 30–42V
- Surge Protection (Between L–N): Max 2.5KV
- Surge Protection (Between L/N–PE): 2KV
- Max. Casing Temperature Tc: 75°C



## OPTICS

10% of the light upward to the ceiling and 90% reflected onto the floor with unique reflective design.



## MODEL-SPECIFIC SPECIFICATIONS

| Specification             | 4ft Model                      | 8ft Model                  |
|---------------------------|--------------------------------|----------------------------|
| <b>Wattage Selectable</b> | 55W / 60W / 65W / 70W          | 110W / 120W / 130W / 140W  |
| <b>Input Current</b>      | 0.65 / 0.70 / 0.75 / 0.80A Max | 1.3 / 1.4 / 1.5 / 1.6A Max |
| <b>Lumen Output</b>       | Up to 10,500 LM                | Up to 21,000 LM            |
| <b>Output Current</b>     | 0.96 / 1.19 / 1.41 / 1.65A     | 1.92 / 2.38 / 2.82 / 3.3A  |

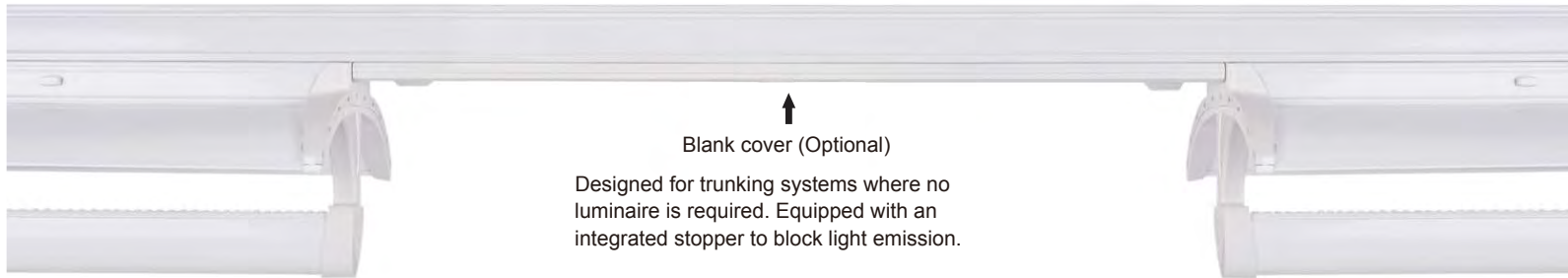


## PRODUCT ORDERING GUIDE

Example: HCULS-1270-35FU-05WH-10

| PCULS - FU - 05 WH - 10                    |                         |                                  |                    |                                                             |                      |                           |                            |
|--------------------------------------------|-------------------------|----------------------------------|--------------------|-------------------------------------------------------------|----------------------|---------------------------|----------------------------|
| Category                                   | Length                  | Wattage                          | CCT                | Beam Angle                                                  | Wire                 | Finish                    | Dimming                    |
| <b>HCULS</b><br>U Line Linear<br>Luminaire | <b>12</b><br>4ft Length | <b>70</b><br>Up to 70w for 4ft   | <b>35</b><br>3500K | <b>FU</b><br>Flood 120°<br>10% Uplight and<br>90% downlight | <b>05</b><br>5 Wires | <b>WH</b><br>White Finish | <b>10</b><br>0-10V Dimming |
|                                            | <b>24</b><br>8ft Length | <b>140</b><br>Up to 140w for 8ft | <b>40</b><br>4000K |                                                             |                      |                           |                            |

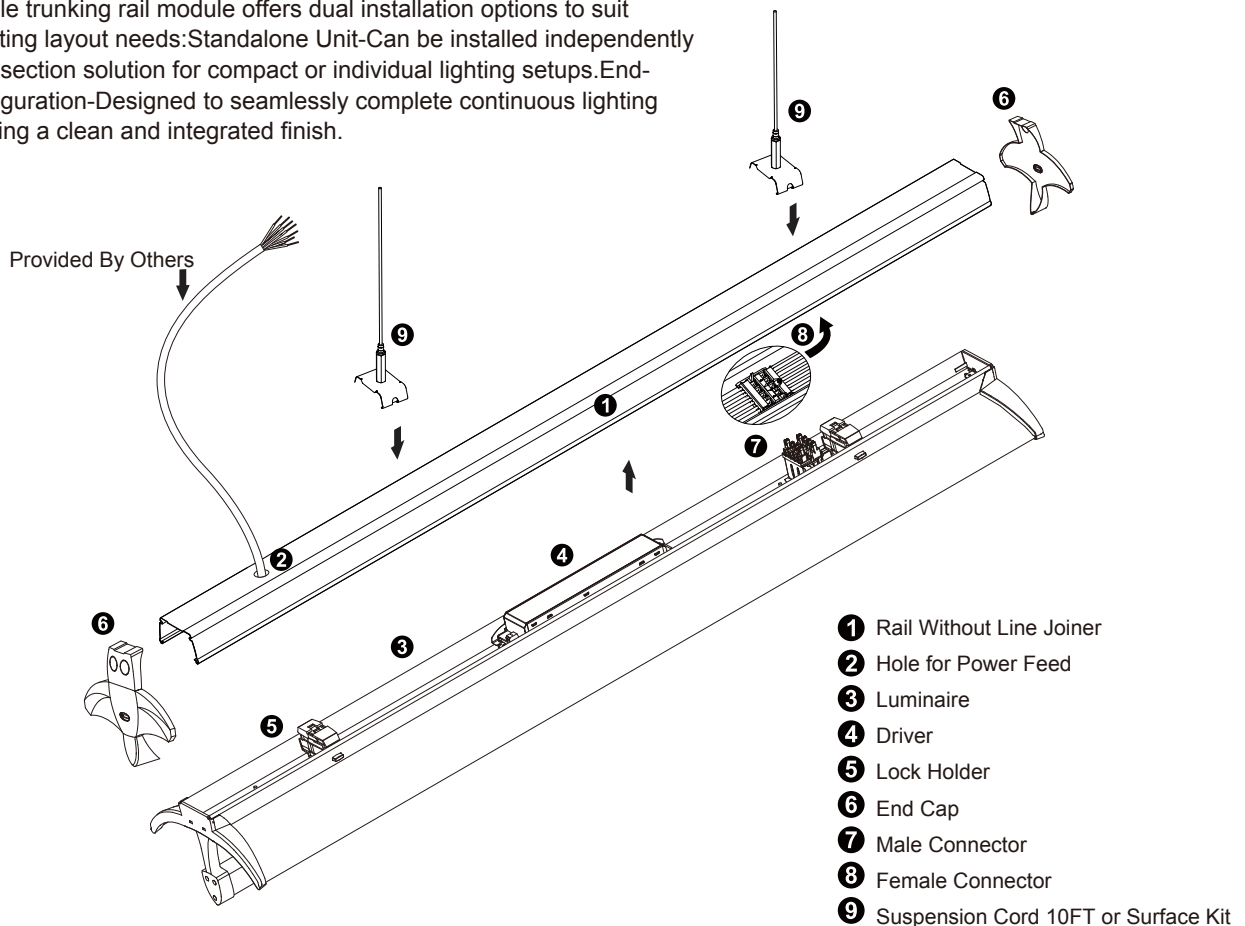
## TRUNKING RAIL



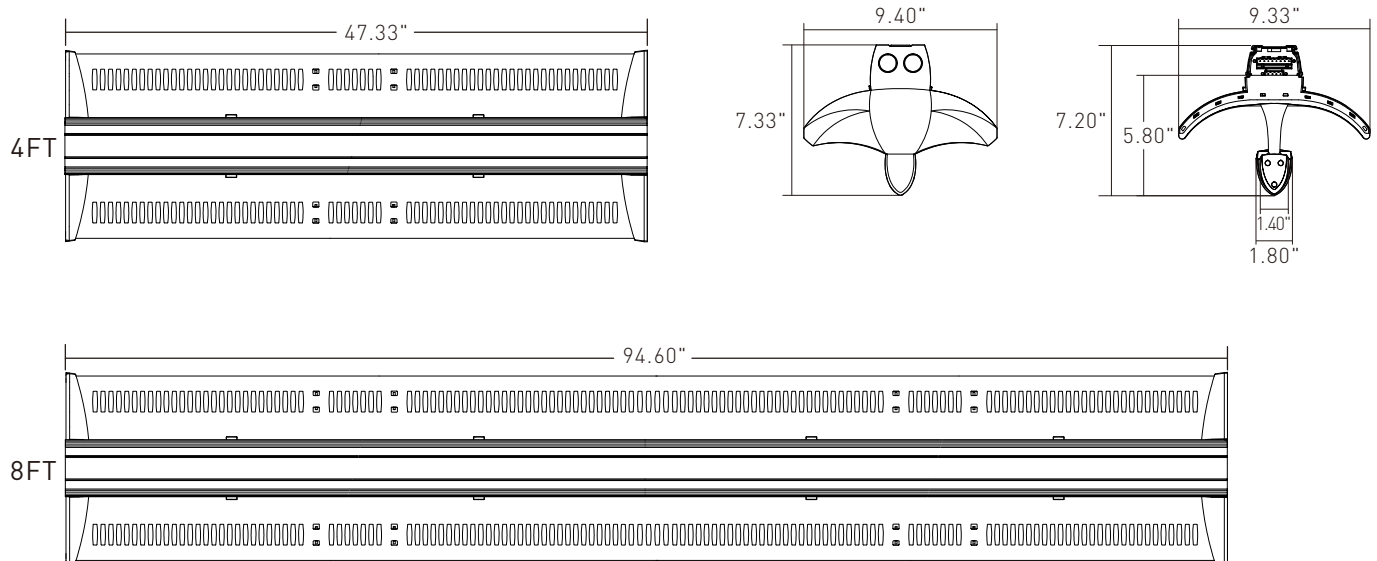
- The flexible trunking system designed to meet demanding lighting needs across all applications.
- It's fully compatible modular kit allows for customized adaptation to even the most complex lighting tasks.
- Luminaires can be positioned with total flexibility, and the system can be easily adjusted to accommodate structural changes at any time. Modifying the layout is simple-just replace or add lighting modules as needed.
- **Max current should not exceed 16A**
- Connection of each input line is 100FT in 120VAC, 230FT in 277VAC and 290FT in 347VAC.

## RAIL WITHOUT LINE JOINER

This versatile trunking rail module offers dual installation options to suit various lighting layout needs: Standalone Unit-Can be installed independently as a single-section solution for compact or individual lighting setups. End-Piece Configuration-Designed to seamlessly complete continuous lighting runs, ensuring a clean and integrated finish.

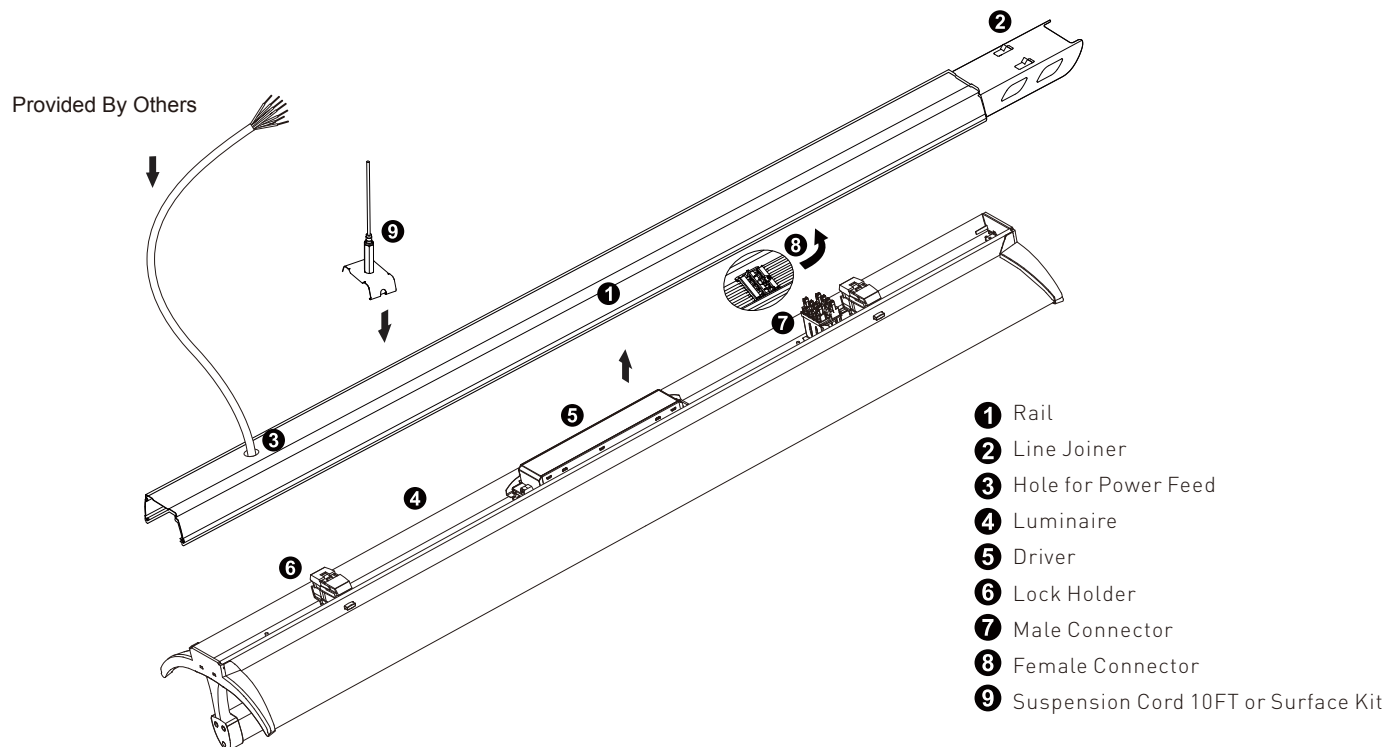


## RAIL WITHOUT LINE JOINER DIMENSIONS

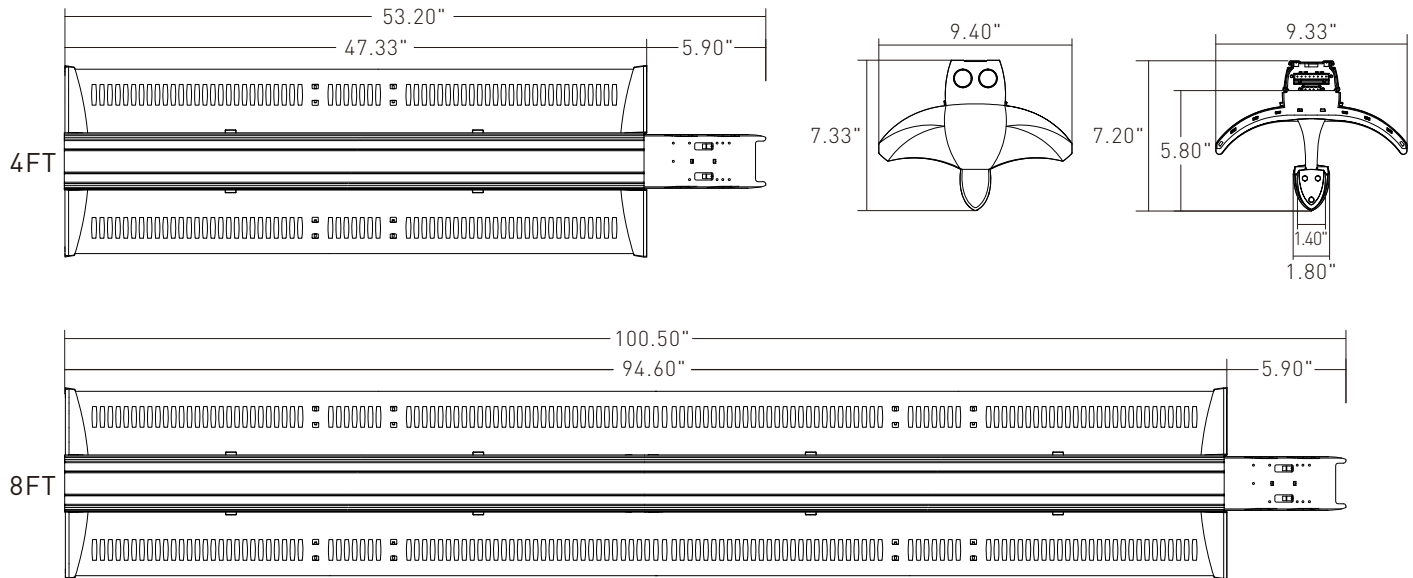


## RAIL WITH LINE JOINER

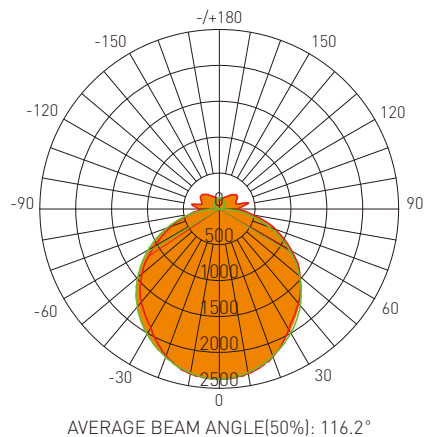
This module is designed for the first and middle sections of continuous lighting runs. The integrated line joiner seamlessly connects adjacent light fixtures, ensuring a secure and uninterrupted installation.



## RAIL WITH LINE JOINER DIMENSIONS



## DISTRIBUTION DIAGRAM



Lumens: 8385.16 Lm  
Watts: 60 W  
LPW: 141.51Lm/W  
CCT: 4000K

UNIT: cd  
C0/180, 115.5°  
C90/270, 117.0°

Zonal Flux Diagram

| Y   | C0                    | C45   | C90   | C135  | C180  |
|-----|-----------------------|-------|-------|-------|-------|
| 10  | 2331                  | 2325  | 2317  | 2311  | 2334  |
| 20  | 2190                  | 2194  | 2180  | 2177  | 2176  |
| 30  | 1935                  | 1984  | 1992  | 1955  | 1912  |
| 40  | 1718                  | 1700  | 1754  | 1668  | 1693  |
| 50  | 1468                  | 1450  | 1459  | 1411  | 1408  |
| 60  | 1167                  | 1152  | 1118  | 1087  | 1050  |
| 70  | 837.2                 | 810.7 | 747.9 | 705.3 | 712.5 |
| 80  | 472.8                 | 451.0 | 360.0 | 371.4 | 412.4 |
| 90  | 264.7                 | 196.0 | 12.37 | 201.2 | 282.4 |
| 100 | 387.3                 | 196.4 | 35.99 | 159.8 | 391.7 |
| 110 | 242.2                 | 151.0 | 63.18 | 181.9 | 262.8 |
| 120 | 286.7                 | 229.6 | 84.65 | 256.6 | 305.3 |
| 130 | 307.6                 | 205.0 | 99.96 | 228.5 | 311.8 |
| 140 | 259.5                 | 151.4 | 107.2 | 182.9 | 265.4 |
| 150 | 200.1                 | 124.8 | 123.1 | 179.9 | 209.4 |
| 160 | 167.4                 | 122.2 | 137.3 | 167.5 | 175.2 |
| 170 | 136.3                 | 133.2 | 148.4 | 155.0 | 143.7 |
| 180 | 156.8                 | 149.1 | 153.4 | 149.5 | 157.3 |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |

Zonal Lumens

| Y       | φ total  |
|---------|----------|
| 0-10    | 224.2    |
| 10-20   | 864.2    |
| 20-30   | 1827     |
| 30-40   | 2984     |
| 40-50   | 4212     |
| 50-60   | 5367     |
| 60-70   | 6304     |
| 70-80   | 6928     |
| 80-90   | 7233     |
| 90-100  | 7446     |
| 100-110 | 7622     |
| 110-120 | 7808     |
| 120-130 | 8002     |
| 130-140 | 8155     |
| 140-150 | 8260     |
| 150-160 | 8331     |
| 160-170 | 8372     |
| 170-180 | 8385     |
| DEG     | UNIT: lm |

Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 15438  | 7518    |
| 80     | 10221  | 7650    |
| 75     | 9571   | 7907    |
| 70     | 9189   | 8070    |
| 65     | 8883   | 8183    |
| 60     | 8759   | 8252    |
| 55     | 8772   | 8327    |
| 50     | 8571   | 8375    |
| 45     | 8524   | 8428    |