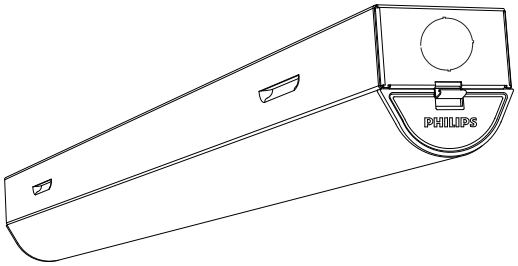
# Revolutionize linear lighting with LED

## FLUXSTREAM LED
## LINEAR STRIP EZ

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Project:

Location:

Catalog No:

Fixture Type:

Mfg: Qty:

Notes:

### PHILIPS DAY-BRITE / PHILIPS CFI FLUXSTREAM LED LINEAR STRIP EZ

The Fluxstream LED linear strip EZ provides the best value proposition of performance and economy, making it ideal for a variety of residential and commercial applications.

### Ordering guide

**example:** LF4EZ3840ULAG

| Series | Length | Series | Lumens | Color | Voltage | Driver |
|---|---|---|---|---|---|---|
| **LF** | | | | | | |
| **LF** FluxStream | **4** 4' length | **EZ** | **38** 3800 lumens | **40** 4000K<br>**30** 3000K | **U** Universal 120/277v | **LAG** LED Driver (non-dim) |

### Accessories (order separately)

- **FH360-120** – 120V motion sensor, field installed via 7/8" KO on end cap
- **FH360-277** – 277V motion sensor, field installed via 7/8" KO on end cap
- **FH360-347** – 347V motion sensor, field installed via 7/8" KO on end cap

LED | PHILIPS Day-Brite | PHILIPS CFI

# FLUXSTREAM LED
# LINEAR STRIP EZ

## Features

- Sleek and compact design ideal for installation in tight spaces.
- Rugged 100% frost acrylic lens shields LEDs from direct view.
- Capable of providing 3800 lm per 4' (nominal) length.
- Long life LEDs provide 50,000 hours ($L_{70}$) LED lumen maintenance free system life at 25°C ambient.
- Supplied with mounting hanger brackets (2) and v-hooks (2) (chain supplied by others) for ease of installation.
- Shift and lock optical tray for secure and easy access to the electrical compartment.
- Wall mountable – ADA compliant.
- Slide on LED pan and single grounding screw for easy installation.
- Ideal for installation in refrigerated areas (down to 0°C).
- Enclosed lens prevents penetration of dust, insects and other debris into the lamp compartment.
- Fully enclosed wiring and fully enclosed wiring and diodes.
- 80+ CRI and excellent color consistency.
- 1" spacing between luminaires is required for access to the electrical comparment.

## Finish

Baked white acrylic matte high reflectance paint finish.

## Shielding

Contoured frosted acrylic lens.

## Electrical

LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Total system life rated at 50,000 hours. Maximum ambient temperature of 25°C. Suitable for cold locations - minimum ambient temperature of 0°C. Predicted $L_{70}$ lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.

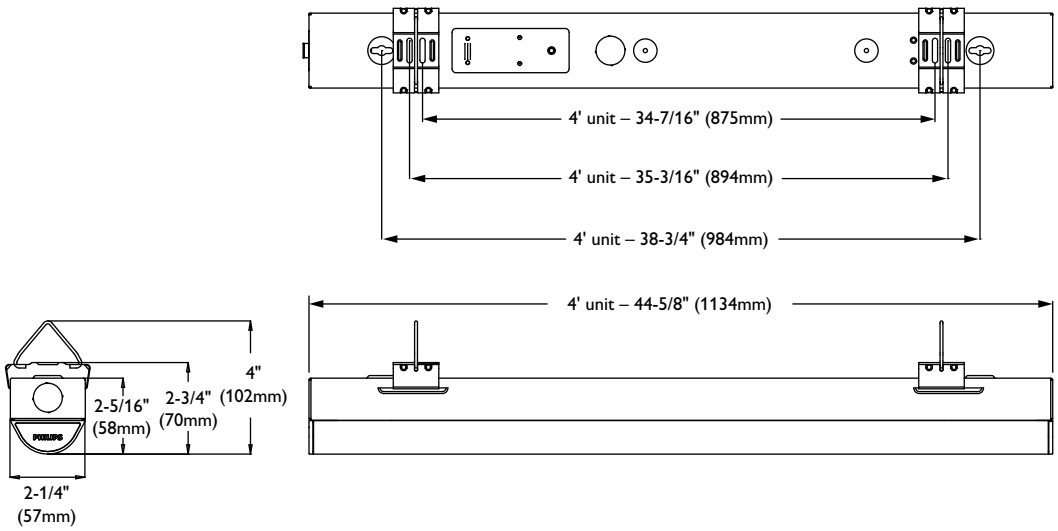
## Materials

Heavy gauge cold rolled steel housing and LED panel post-painted white.

## Labels

cULus listed.
Suitable for damp locations.
5 year warranty based on 25°C ambient

## Dimensions




PHILIPS Day-Brite

PHILIPS CFI

## Fluxstream EZ, 4000K, 4042 delivered lumens

| | |
|---|---|
| **Catalog No.** | **LF4EZ3840ULAG** |
| **Test No.** | **32331** |
| **S/MH** | **1.3** |
| **Lamp Type** | **29WLED** |
| **Lumens/Lamp** | **4042** |
| **Input Watts** | **42** |

Comparative yearly lighting energy cost per 1000 lumens – **$2.50** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

### Candlepower

| Angle | End | 45 | Cross | Back-45 |
|---|---|---|---|---|
| **0** | 1145 | 1145 | 1145 | 1145 |
| **5** | 1136 | 1139 | 1146 | 1139 |
| **15** | 1091 | 1104 | 1115 | 1104 |
| **25** | 1002 | 1030 | 1053 | 1030 |
| **35** | 873 | 925 | 964 | 925 |
| **45** | 715 | 797 | 852 | 797 |
| **55** | 545 | 648 | 721 | 648 |
| **65** | 362 | 497 | 577 | 497 |
| **75** | 181 | 356 | 438 | 356 |
| **85** | 33 | 237 | 316 | 237 |
| **95** | 1 | 153 | 227 | 153 |
| **105** | 1 | 91 | 155 | 91 |
| **115** | 1 | 50 | 99 | 50 |
| **125** | 1 | 21 | 57 | 21 |
| **135** | 1 | 6 | 26 | 6 |
| **145** | 1 | 1 | 7 | 1 |
| **155** | 1 | 1 | 1 | 1 |
| **165** | 1 | 1 | 1 | 1 |
| **175** | 1 | 1 | 1 | 1 |

### Light Distribution

| Degrees | Lumens | % Fixture |
|---|---|---|
| **0-30** | **895** | **22.1** |
| **0-40** | **1472** | **36.4** |
| **0-60** | **2654** | **65.6** |
| **0-90** | **3725** | **92.1** |
| **0-180** | 4046 | 100.0 |

### Average Luminance

| Angle | End | 45° | Cross |
|---|---|---|---|
| **45** | 15159 | 13148 | 12983 |
| **55** | 14119 | 11963 | 12011 |
| **65** | 12527 | 10764 | 10978 |
| **75** | 9892 | 9725 | 10073 |
| **85** | 4657 | 9091 | 9552 |

### Coefficients of Utilization

**EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)**

| pcc | 80 | | | 70 | | | 50 | |
|---|---|---|---|---|---|---|---|---|
| **pw** | **70** | **50** | **30** | **70** | **50** | **30** | **50** | **30** |
| **RCR** | | | | | | | | |
| 0 | 116 | 116 | 116 | 113 | 113 | 113 | 107 | 107 |
| 1 | 105 | 98 | 93 | 101 | 95 | 92 | 90 | 86 |
| 2 | 94 | 85 | 78 | 91 | 82 | 76 | 78 | 71 |
| 3 | 85 | 75 | 66 | 82 | 71 | 64 | 68 | 60 |
| 4 | 78 | 66 | 56 | 75 | 64 | 55 | 59 | 53 |
| 5 | 71 | 58 | 48 | 68 | 56 | 47 | 54 | 46 |
| 6 | 66 | 53 | 42 | 64 | 51 | 41 | 48 | 40 |
| 7 | 60 | 47 | 39 | 58 | 46 | 38 | 44 | 36 |
| 8 | 56 | 42 | 34 | 55 | 41 | 34 | 40 | 33 |
| 9 | 53 | 40 | 30 | 52 | 39 | 30 | 36 | 29 |
| 10 | 50 | 36 | 28 | 47 | 35 | 28 | 34 | 27 |

## Fluxstream EZ, 3000K, 3937 delivered lumens

| | |
|---|---|
| **Catalog No.** | **LF4Z3830ULAG** |
| **Test No.** | **32333** |
| **S/MH** | **1.3** |
| **Lamp Type** | **29WLED** |
| **Lumens/Lamp** | **3937** |
| **Input Watts** | **43** |

Comparative yearly lighting energy cost per 1000 lumens – **$2.58** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

### Candlepower

| Angle | End | 45 | Cross | Back-45 |
|---|---|---|---|---|
| **0** | 1115 | 1115 | 1115 | 1115 |
| **5** | 1106 | 1110 | 1117 | 1110 |
| **15** | 1063 | 1076 | 1087 | 1076 |
| **25** | 979 | 1004 | 1025 | 1004 |
| **35** | 852 | 901 | 939 | 901 |
| **45** | 696 | 778 | 828 | 778 |
| **55** | 532 | 633 | 699 | 633 |
| **65** | 354 | 484 | 559 | 484 |
| **75** | 177 | 347 | 424 | 347 |
| **85** | 33 | 231 | 305 | 231 |
| **95** | 2 | 150 | 219 | 150 |
| **105** | 1 | 89 | 151 | 89 |
| **115** | 1 | 48 | 97 | 48 |
| **125** | 1 | 21 | 56 | 21 |
| **135** | 1 | 6 | 25 | 6 |
| **145** | 1 | 1 | 6 | 1 |
| **155** | 1 | 1 | 1 | 1 |
| **165** | 1 | 1 | 1 | 1 |
| **175** | 1 | 1 | 1 | 1 |

### Light Distribution

| Degrees | Lumens | % Fixture |
|---|---|---|
| **0-30** | **872** | **22.1** |
| **0-40** | **1434** | **36.4** |
| **0-60** | **2585** | **65.6** |
| **0-90** | **3628** | **92.1** |
| **0-180** | 3941 | 100.0 |

### Average Luminance

| Angle | End | 45° | Cross |
|---|---|---|---|
| **45** | 14744 | 12830 | 12619 |
| **55** | 13768 | 11682 | 11658 |
| **65** | 12261 | 10492 | 10644 |
| **75** | 9712 | 9481 | 9749 |
| **85** | 4682 | 8869 | 9227 |

### Coefficients of Utilization

**EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)**

| pcc | 80 | | | 70 | | | 50 | |
|---|---|---|---|---|---|---|---|---|
| **pw** | **70** | **50** | **30** | **70** | **50** | **30** | **50** | **30** |
| **RCR** | | | | | | | | |
| 0 | 116 | 116 | 116 | 113 | 113 | 113 | 107 | 107 |
| 1 | 105 | 98 | 93 | 101 | 95 | 92 | 90 | 86 |
| 2 | 94 | 85 | 78 | 91 | 82 | 76 | 78 | 71 |
| 3 | 85 | 75 | 66 | 82 | 71 | 64 | 68 | 60 |
| 4 | 78 | 66 | 56 | 75 | 64 | 55 | 59 | 53 |
| 5 | 71 | 58 | 48 | 68 | 56 | 47 | 54 | 46 |
| 6 | 66 | 53 | 42 | 64 | 51 | 41 | 48 | 40 |
| 7 | 60 | 47 | 39 | 58 | 46 | 38 | 44 | 36 |
| 8 | 56 | 42 | 34 | 55 | 41 | 34 | 40 | 33 |
| 9 | 53 | 40 | 30 | 52 | 39 | 30 | 36 | 29 |
| 10 | 50 | 36 | 28 | 47 | 35 | 28 | 34 | 27 |



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