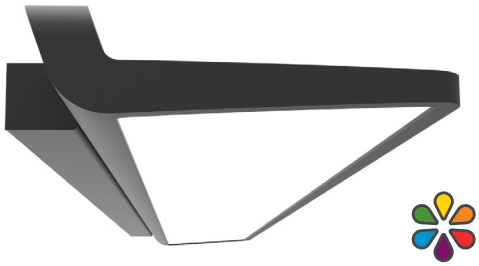
# LEDALITE

by signify

# Linear

## EyeLine

## Wall



Project:

Location:

Cat.No:

Type:

Line ID: Qty:

Notes:

Stylishly sophisticated, boldly dramatic... **Ledalite EyeLine wall** is sure to make a statement in any architectural space. Its horizontally ultra-thin line of light makes EyeLine virtually weightless, and so utterly organic that it becomes a natural element of design of the built environment. EyeLine performs like no other with maximized row spacing, and keeping energy densities to a minimum in large open plan areas. Make your room the view with EyeLine.

**EyeLine now includes AccuRender technology for the highest color quality at the highest efficacy**

## Ordering guide

example: ELGWL93534WN04DERNNNW

| Family | Ceiling Type [7] | Mount Type | Source | CRI / CCT [1] | Lumens [1] | Optics | Distribution [1] | Run Length |
|---|---|---|---|---|---|---|---|---|
| EL | | W | L | | | W | | |
| **EL** EyeLine | **G** T-Grid<br>**C** Chicago T-Grid<br>**D** Drywall [4]<br>**S** Open Structure | **W** Wall | **L** LED | **950** CRI 90, 5000K<br>**940** CRI 90, 4000K<br>**935** CRI 90, 3500K<br>**930** CRI 90, 3000K<br>**927** CRI 90, 2700K<br>**850** CRI 80, 5000K<br>**840** CRI 80, 4000K<br>**835** CRI 80, 3500K<br>**830** CRI 80, 3000K<br>**827** CRI 80, 2700K | **48** 4800lm/4ft<br>**34** 3400lm/4ft<br>**24** 2400lm/4ft | **W** Asymmetric MesoOptics Lens | **N** 65% Up / 35% Dn<br>**G** 20% Up / 80% Dn<br>**J** 100% Dn | **04** 4ft<br>**XX** Continuous Run (4ft increments) |

| Voltage | Driver | Circuit [2] | Wiring Option [2] | System / Controls [5] | Finish [6] |
|---|---|---|---|---|---|
| | | R | | | |
| **D** UNV 120-277V<br>**3** 347V [3] | **E** Advance Xitanium 0-10V (1% Dim)<br>**D** Advance Xitanium DALI (5% Dim) [3]<br>**H** Lutron EcoSystem LDE1 (<1% Dim, Fade-to-Black) [3]<br>**S** Advance Xitanium Sensor Ready (5% Dim) [3] | **R** Single Circuit, Remote Driver | **N** None<br>**E** Auxiliary Wiring [8]<br>**B** Battery Pack [3, 4] | **NN** None<br>**SZ** SpaceWise DT Daylight & Occupancy | **W** Signal White<br>**B** Midnight Black<br>**R** Racing Red<br>**G** Graphite Grey<br>**C** Custom |

1. Nominal values within a range. Consult photometry data for CRI, CCT, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.
3. 347V not available with Battery Pack, DALI, Lutron EcoSystem or Sensor Ready drivers or SpaceWise DT options.
4. Battery Pack not available with Drywall Ceiling.
5. Sensors are mounted remote from the luminaire.
6. Luminaires painted in finishes other than standard white result in up to 8% drop in luminous flux and efficacy.
7. Ceiling Type refers to the location of the remotely mounted Driver Pod
8. Auxiliary Wiring not available with SpaceWise DT luminaires.

# EyeLine linear wall

## Options and Details

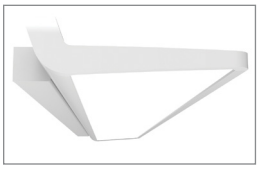
### Performance Summary - Wall*

| LED Output (lm/4ft) | 2400lm | | 3400lm | | 4800lm | |
|---|---|---|---|---|---|---|
| CCT | 3500K | 4000K | 3500K | 4000K | 3500K | 4000K |
| Energy (W/4ft) | 18.2 | 18.1 | 27.6 | 27.5 | 41.6 | 41.4 |
| Efficacy (lm/W) | 115.3 | 119.6 | 110.6 | 114.5 | 104.6 | 108.4 |

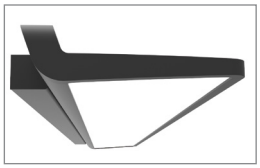
* Values based on CRI 90, 3500K CCT and standard 65% up / 35% down optics

## Standard Finish Options

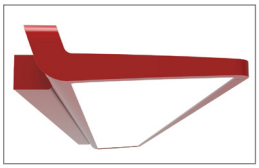
The finish options shown below are standard options for EyeLine. No additional set up fees apply.



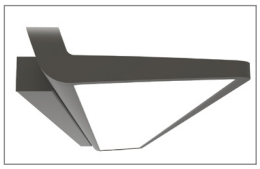
Signal White



Midnight Black



Racing Red



Graphite Grey

## Modular Continuous Rows

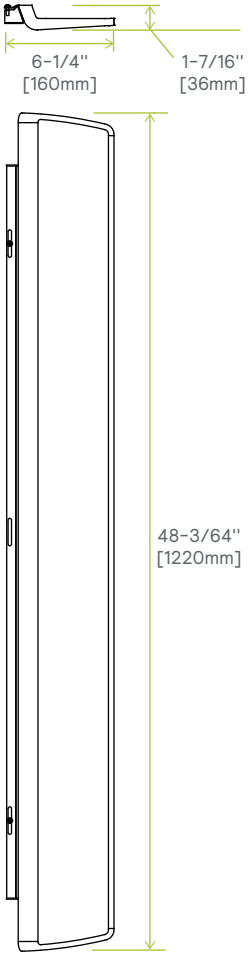
EyeLine has been designed to use as few Driver Pods as possible for continuous rows. A 4-letter suffix will be added by the factory to the EyeLine part number as chosen by customers. This 4-letter suffix will be noted on factory drawings and orders and can be referenced below.

| Power Connection | Version | Driver Count | Wiring Pass-Thru |
|---|---|---|---|
| Reference only - specified by factory based on row requirements | | | |
| **NNN** Wall Power<br>22/2 AWG low voltage (LVT) power cords supplied by others. | **S** Standalone<br>**M** Mid-run<br>**L** Left-End, Wall<br>**R** Right-End, Wall | **A** Single Driver | **PT** Power/Terminate<br>**PJ** Power/Jumper<br>**JJ** Jumper/Jumper<br>**JT** Jumper/Terminate |

EyeLine can be specified in any row length, in 4ft increments. The luminaire has been uniquely engineered so continuous row mounting is an easy plug and play installation with 4ft modules.

All individual modules are joined together onsite using the simple joining connections outlined in the installation instructions.

## Dimensions

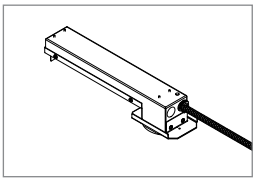


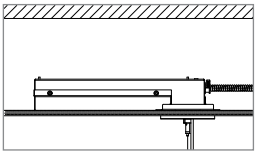
# EyeLine linear wall

## Driver Pod Details

The EyeLine Driver Pod is a remote-mounted, metal enclosure housing the driver(s) and the optional battery pack. In a T-Grid installation, the Driver Pod attaches the grid with mount brackets. In a drywall installation, the Driver Pod is smaller to enable the pod to be installed through a 4.5" round opening. In an exposed or open structure installation, the Driver Pod is attached directly to the ceiling, along with a decorative covering to minimize the appearance of the Driver Pod.

### Drywall

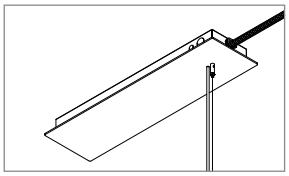


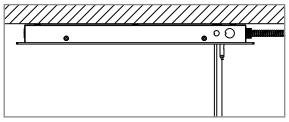


Max dimensions of box:
16"x3"x3"

Plenum height in drywall ceilings must have a minimum of 8.5" of clearance in order to install the Driver Pod. An access cover for the Driver Pod must be supplied by others.

### Open Structure

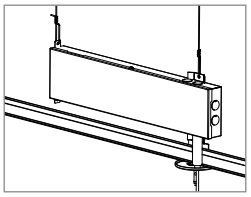


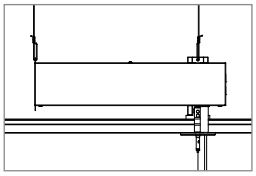


Max dimensions of box (including decorative cover plate):
22"x6"x1.88"

Open Structure Driver Pods can be painted to match luminaire or any other color on request

### T-Grid + Chicago T-Grid





Max dimensions of box:
20.5"x4.5"x1.75"

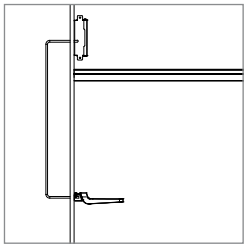
## Mounting

### Ceiling Type & Mounting Reference

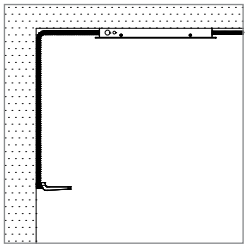
EyeLine wall can be mounted to any suitable per the installation instructions. Example concept installations with both the luminaire and Driver Pod are shown below. The Drywall installation below shows the Driver Pod mounted to Drywall above a T-Grid ceiling.

### End View

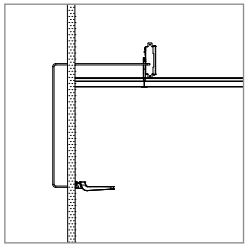
#### Drywall



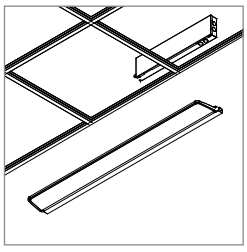
#### Open Structure

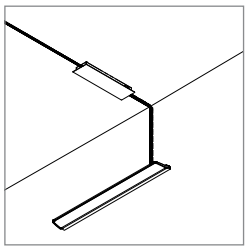


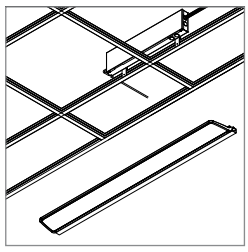
#### T-Grid + Chicago T-Grid



### Perspective View







# EyeLine linear wall

## Specifications

### Optical System

The optical system contains arrays of LEDs edge-lighting a low-profile light-guide panel, using total internal reflection to homogenize the sources. The microstructure surface of the light-guide optimizes light extraction to create an efficacious direct/indirect distribution. Light is purified and controlled by MesoOptics as it is extracted from the light-guide to give a wide and low glare distribution. Standard distribution is 65% up / 35% down for both suspended and wall versions. Factory or field installable variable optics kits are available to modify the distribution to 80% down or close to 100% down light.

### Construction

Housing:
Architectural grade extruded aluminum rails.

Endcaps:
Die-cast aluminum pre-installed endcaps

Luminaire Weight:
Maximum 6lbs/4ft

### Finish Options

Standard powder coat finish options: white, black, gray. Standard high gloss finish option: red. Luminaires painted in finishes other than standard white result in up to 8% drop in light flux and efficacy.

### Standard Drivers

- Advance Xitanium 0-10V, 1-100%.
- Advance Xitanium SR, 5-100% (SpaceWise DT, Interact Pro or Interact Office Wireless)
- Advance Xitanium DALI, 5-100%.
- Lutron EcoSystem LDE1, 1-100% with Soft-on, Fade-to-Black
- Constant Current Class 2 rated output. Consult Ledalite for other available drivers.
- Power Factor: >0.90
- Total Harmonic Distortion: <20%

### Standard Battery Pack

Bodine, 90 min, 10W, Class 2 rated output, located in the remotely mounted Driver Pod (T-Grid and Open Structure ceilings only).
Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output: 1300lm.

### Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-15. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
$L_{80}$ (10K) > 60,000 hours (reported methodology).

### Source Color

LEDs rated for color rendering of:

- CRI ≥ 80, $R_g$ ≥ 0
- CRI ≥ 90, $R_g$ ≥ 50
  IES TM-30-18 : $R_f$ ≥ 90, $R_g$ ≥ 99, $R_{cs,h1}$ ≥ -6%
- SPD and TM-30-18 reports available upon request
- Fixture to fixture color accuracy within: 2 SDCM for Static White luminaires

### Electrical

LED boards are field replaceable. Fixtures are factory pre-wired to section ends and joints with low voltage class 2 wiring. Designed to be used with remotely mounted Driver Pods, provided by Ledalite. Driver Pods are connected to building mains in the ceiling and low voltage wires provide power between luminaires and Driver Pods per factory provided drawings. Due to the nature of low voltage wiring, EyeLine can lose up to 4% efficacy with a 20ft power cable which connects the EyeLine fixture to the Driver Pod.

### Joint

Self-aligning joining system with easy plug and play installation with 4ft modules. All individual 4ft modules are joined together onsite using the simple joining connections outlined in installation instructions.

### Mounting

Mounted with a die-formed sheet metal rail, secured and leveled with machine screws to allow for fine adjustments. 22/2 AWG low voltage (LVT) power cords supplied by others to connect the luminaire to the remotely mounted Driver Pods. Drywall & Open Structure canopies available in custom finish

### Approvals

Certified to UL, CSA and IES standards
Available with CCEA Chicago Plenum approved Driver Pods.

### Environment

Luminaires and Driver Pods suitable dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). T-Grid and Drywall mounted recessed Driver Pods not suitable for contact with insulation (NON-IC rated) Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty. Not suitable for natatorium environments.

### Warranty

Five-year luminaire limited warranty including LED boards and driver pods.
www.signify.com/warranties

### Standalone Controls

**SpaceWise DT:**

Available with SpaceWise DT Daylight & Occupancy sensing with advanced grouping & dwell time.

Dimming with compatible Zigbee wireless wall switches.

www.usa.lighting.philips.com/systems/lighting-systems/spacewise

# EyeLine linear wall

## Photometrics

### 65% Up / 35% Down – Nominal Distribution (WN Optics)

(Click "PDF", "IES", or "RFA" text to Download)

| Lumen Package (per 4ft) | Nominal CRI & CCT | Flux[1] (lm) | Watts[1] (W) | Efficacy[1] (lm/W) | CIE 013.3-1995[2] | | IES TM-30-18[3] | | | MDER[4] | UGR[5] | WELL[6] | DLC (120/227)[7] | Photometry Report | IES File | Revit/BIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CRI $R_a$ | $R_g$ | $R_f$ | $R_g$ | $R_{cs,h1}$ | | | | | | | |
| 4800lm | CRI 90, 5000K | 4593 | 41.4 | 110.9 | 93 | 67 | 90 | 100 | -5% | 0.88 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 4489 | 41.4 | 108.4 | 93 | 64 | 91 | 99 | -5% | 0.71 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 4351 | 41.6 | 104.6 | 93 | 60 | 91 | 100 | -6% | 0.63 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 4156 | 41.8 | 99.4 | 94 | 58 | 91 | 100 | -5% | 0.55 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 4094 | 41.8 | 97.9 | 94 | 54 | 92 | 100 | -6% | 0.48 | N/A | | | PDF | IES | |
| 3400lm | CRI 90, 5000K | 3222 | 27.5 | 117.2 | 93 | 67 | 90 | 100 | -5% | 0.88 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 3148 | 27.5 | 114.5 | 93 | 64 | 91 | 99 | -5% | 0.71 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 3052 | 27.6 | 110.6 | 93 | 60 | 91 | 100 | -6% | 0.63 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 2915 | 27.8 | 104.9 | 94 | 58 | 91 | 100 | -5% | 0.55 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 2871 | 27.8 | 103.3 | 94 | 54 | 92 | 100 | -6% | 0.48 | N/A | | | PDF | IES | |
| 2400lm | CRI 90, 5000K | 2215 | 18.1 | 122.4 | 93 | 67 | 90 | 100 | -5% | 0.88 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 2165 | 18.1 | 119.6 | 93 | 64 | 91 | 99 | -5% | 0.71 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 2099 | 18.2 | 115.3 | 93 | 60 | 91 | 100 | -6% | 0.63 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 2004 | 18.3 | 109.5 | 94 | 58 | 91 | 100 | -5% | 0.55 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 1974 | 18.3 | 107.9 | 94 | 54 | 92 | 100 | -6% | 0.48 | N/A | | | PDF | IES | |

[1] 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires painted in finishes other than standard white result in an up to 8% drop in light flux and efficacy.

[2] Color Rendering Index (CRI $R_a$) and Strong Red ($R_9$) are calculated in accordance with CIE 013.3-1995.

[3] Fidelity Index ($R_f$), Gamut Index ($R_g$), and Red Local Chroma Shift ($R_{cs,h1}$) are calculated in accordance with IES TM-30-18.

[4] Melanopic Daylight Efficacy Ratio (MDER) is the measure for "spectral melanopic efficiency" as defined in CIE S 026-2018.

[5] Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

[6] The WELL Building Standard® is the first standard to integrate human health and wellness into the design, construction, maintenance and operations of buildings. Select EyeLine configurations contribute toward satisfying features L03, L04, L06, L07 and L08 under the WELL v2 Building Standard®.

[7] DLC is only available for configurations with a standard white finish. For 347V DLC listings, please visit the DLC QPL website. Battery Packs are not available for DLC listed versions.

| CANDELA DISTRIBUTION | | | | | | Flux |
|---|---|---|---|---|---|---|
| | 0 | 22.5 | 45 | 67.5 | 90 | Lumens |
| 0 | 189 | 189 | 189 | 189 | 189 | |
| 5 | 236 | 220 | 193 | 172 | 166 | 19 |
| 15 | 360 | 306 | 215 | 166 | 159 | 68 |
| 25 | 528 | 401 | 227 | 163 | 160 | 128 |
| 35 | 488 | 339 | 174 | 128 | 125 | 144 |
| 45 | 267 | 200 | 125 | 101 | 101 | 116 |
| 55 | 151 | 130 | 101 | 86 | 85 | 97 |
| 65 | 102 | 98 | 83 | 67 | 64 | 80 |
| 75 | 67 | 64 | 56 | 39 | 36 | 54 |
| 85 | 35 | 28 | 18 | 6 | 5 | 22 |
| 90 | 62 | 62 | 5 | 1 | 2 | |
| 95 | 522 | 270 | 70 | 4 | 2 | 147 |
| 105 | 842 | 473 | 157 | 86 | 78 | 297 |
| 115 | 807 | 483 | 185 | 121 | 132 | 309 |
| 125 | 574 | 371 | 170 | 125 | 134 | 232 |
| 135 | 351 | 262 | 149 | 120 | 124 | 152 |
| 145 | 239 | 197 | 142 | 124 | 124 | 103 |
| 155 | 193 | 176 | 147 | 135 | 134 | 72 |
| 165 | 173 | 167 | 153 | 146 | 146 | 44 |
| 175 | 163 | 161 | 158 | 155 | 155 | 15 |
| 180 | 158 | 158 | 158 | 158 | 158 | |

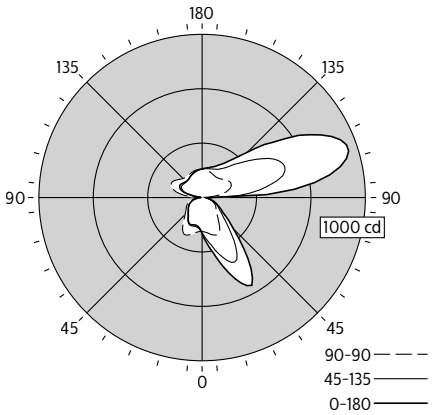
*Photometric data shown is for 2400lm/4ft, CRI 90, 3500K configuration.

| COEFFICIENTS OF UTILIZATION (%) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 75 | 75 | 75 | 35 |
| 1 | 94 | 90 | 86 | 83 | 85 | 81 | 78 | 65 | 63 | 61 | 29 |
| 2 | 86 | 78 | 72 | 67 | 77 | 71 | 66 | 57 | 53 | 50 | 24 |
| 3 | 78 | 69 | 62 | 56 | 70 | 62 | 56 | 50 | 46 | 42 | 20 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 49 | 45 | 40 | 36 | 18 |
| 5 | 66 | 54 | 46 | 40 | 59 | 49 | 42 | 40 | 35 | 31 | 15 |
| 6 | 60 | 49 | 41 | 35 | 54 | 44 | 37 | 36 | 31 | 27 | 13 |
| 7 | 56 | 44 | 36 | 30 | 50 | 40 | 33 | 32 | 27 | 24 | 12 |
| 8 | 52 | 40 | 32 | 27 | 46 | 36 | 29 | 30 | 24 | 21 | 11 |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 26 | 27 | 22 | 19 | 10 |
| 10 | 45 | 33 | 26 | 21 | 40 | 30 | 24 | 25 | 20 | 17 | 9 |

| ZONAL LUMEN SUMMARY | | | |
|---|---|---|---|
| Zone | Lumens | %Fixture | %Lamp |
| 0-30 | 216 | 10.3% | 10.3% |
| 0-40 | 360 | 17.1% | 17.1% |
| 0-60 | 573 | 27.3% | 27.3% |
| 0-90 | 728 | 34.7% | 34.7% |
| 90-130 | 985 | 46.9% | 46.9% |
| 90-150 | 1239 | 59.0% | 59.0% |
| 90-180 | 1371 | 65.3% | 65.3% |
| 0-180 | 2099 | 100.0% | 100.0% |

| Electrical | | | | |
|---|---|---|---|---|
| 120V: P(W), I(A), THD(%), PF | 18.2 | 0.153 | 9.0 | 0.994 |
| 277V: P(W), I(A), THD(%), PF | 18.3 | 0.069 | 15.0 | 0.959 |
| 347V: P(W), I(A), THD(%), PF | 18.9 | 0.056 | 15.0 | 0.965 |

| AVG LUMINANCE (cd/m²) | | | |
|---|---|---|---|
| | 0 | 45 | 90 |
| 0 | 1514 | 1514 | 1514 |
| 5 | 1896 | 1555 | 1334 |
| 15 | 2943 | 1781 | 1298 |
| 25 | 4554 | 2003 | 1378 |
| 35 | 4596 | 1695 | 1173 |
| 45 | 2860 | 1417 | 1081 |
| 55 | 1953 | 1404 | 1095 |
| 65 | 1716 | 1564 | 1080 |
| 75 | 1702 | 1718 | 924 |
| 85 | 1940 | 1559 | 281 |




65% Up / 35% Down

# EyeLine linear wall

## Photometrics

### 20% Up / 80% Down – Nominal Distribution (WG Optics)

(Click "PDF", "IES", or "RFA" text to Download)

| Lumen Package (per 4ft) | Nominal CRI & CCT | Flux[1] (lm) | Watts[1] (W) | Efficacy[1] (lm/W) | CIE 013.3-1995[2] | | IES TM-30-18[3] | | | MDER[4] | UGR[5] | WELL[6] | DLC (120/227)[7] | Photometry Report | IES File | Revit/BIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CRI $R_a$ | $R_g$ | $R_f$ | $R_g$ | $R_{cs,h1}$ | | | | | | | |
| 4800lm | CRI 90, 5000K | 4246 | 41.4 | 102.6 | 93 | 67 | 90 | 100 | -5% | 0.88 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 4164 | 41.4 | 100.6 | 93 | 62 | 91 | 99 | -5% | 0.70 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 4008 | 41.6 | 96.3 | 93 | 59 | 91 | 100 | -6% | 0.62 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 3848 | 41.8 | 92.1 | 94 | 57 | 91 | 100 | -5% | 0.55 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 3797 | 41.8 | 90.8 | 93 | 54 | 92 | 99 | -6% | 0.48 | N/A | | | PDF | IES | |
| 3400lm | CRI 90, 5000K | 2978 | 27.5 | 108.3 | 93 | 67 | 90 | 100 | -5% | 0.88 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 2921 | 27.5 | 106.2 | 93 | 62 | 91 | 99 | -5% | 0.70 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 2812 | 27.6 | 101.9 | 93 | 59 | 91 | 100 | -6% | 0.62 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 2699 | 27.8 | 97.1 | 94 | 57 | 91 | 100 | -5% | 0.55 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 2664 | 27.8 | 95.8 | 93 | 54 | 92 | 99 | -6% | 0.48 | N/A | | | PDF | IES | |
| 2400lm | CRI 90, 5000K | 2048 | 18.1 | 113.1 | 93 | 67 | 90 | 100 | -5% | 0.88 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 2008 | 18.1 | 110.9 | 93 | 62 | 91 | 99 | -5% | 0.70 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 1933 | 18.2 | 106.2 | 93 | 59 | 91 | 100 | -6% | 0.62 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 1856 | 18.3 | 101.4 | 94 | 57 | 91 | 100 | -5% | 0.55 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 1831 | 18.3 | 100.1 | 93 | 54 | 92 | 99 | -6% | 0.48 | N/A | | | PDF | IES | |

[1] 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires painted in finishes other than standard white result in an up to 8% drop in light flux and efficacy.

[2] Color Rendering Index (CRI $R_a$) and Strong Red ($R_9$) are calculated in accordance with CIE 013.3-1995.

[3] Fidelity Index ($R_f$), Gamut Index ($R_g$), and Red Local Chroma Shift ($R_{cs,h1}$) are calculated in accordance with IES TM-30-18.

[4] Melanopic Daylight Efficacy Ratio (MDER) is the measure for "spectral melanopic efficiency" as defined in CIE S 026-2018.

[5] Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

[6] The WELL Building Standard® is the first standard to integrate human health and wellness into the design, construction, maintenance and operations of buildings. Select EyeLine configurations contribute toward satisfying features L03, L04, L06, L07 and L08 under the WELL v2 Building Standard®.

[7] DLC is only available for configurations with a standard white finish. For 347V DLC listings, please visit the DLC QPL website. Battery Packs are not available for DLC listed versions.

| CANDELA DISTRIBUTION | | | | | | Flux |
|---|---|---|---|---|---|---|
| | 0 | 22.5 | 45 | 67.5 | 90 | Lumens |
| 0 | 494 | 494 | 494 | 494 | 494 | |
| 5 | 572 | 549 | 500 | 468 | 448 | 49 |
| 15 | 773 | 679 | 523 | 443 | 420 | 160 |
| 25 | 972 | 791 | 513 | 403 | 385 | 269 |
| 35 | 865 | 652 | 371 | 299 | 281 | 286 |
| 45 | 477 | 385 | 266 | 224 | 218 | 234 |
| 55 | 286 | 263 | 213 | 187 | 178 | 198 |
| 65 | 203 | 196 | 177 | 145 | 133 | 166 |
| 75 | 132 | 138 | 117 | 85 | 78 | 111 |
| 85 | 64 | 58 | 41 | 12 | 10 | 38 |
| 90 | 27 | 19 | 4 | 1 | 1 | |
| 95 | 25 | 22 | 14 | 1 | 1 | 15 |
| 105 | 112 | 81 | 55 | 23 | 14 | 54 |
| 115 | 181 | 130 | 77 | 50 | 41 | 89 |
| 125 | 169 | 126 | 78 | 60 | 56 | 84 |
| 135 | 133 | 105 | 73 | 62 | 60 | 66 |
| 145 | 106 | 91 | 71 | 65 | 64 | 49 |
| 155 | 93 | 85 | 74 | 68 | 69 | 36 |
| 165 | 86 | 83 | 77 | 74 | 73 | 22 |
| 175 | 82 | 80 | 79 | 78 | 77 | 8 |
| 180 | 79 | 79 | 79 | 79 | 79 | |

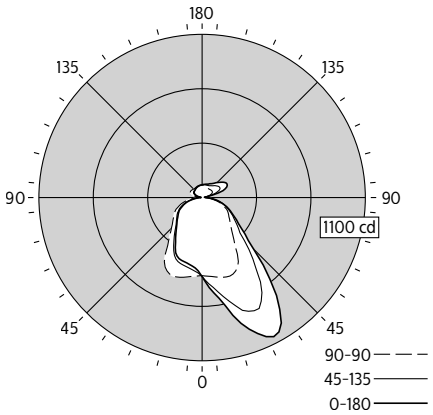
*Photometric data shown is for 2400lm/4ft, CRI 90, 3500K configuration.

| COEFFICIENTS OF UTILIZATION (%) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 99 | 99 | 99 | 78 |
| 1 | 104 | 99 | 95 | 91 | 99 | 95 | 91 | 87 | 84 | 81 | 65 |
| 2 | 95 | 87 | 80 | 75 | 90 | 83 | 77 | 76 | 71 | 67 | 55 |
| 3 | 87 | 77 | 69 | 63 | 82 | 73 | 66 | 67 | 62 | 57 | 47 |
| 4 | 79 | 68 | 60 | 53 | 76 | 65 | 58 | 60 | 54 | 49 | 40 |
| 5 | 73 | 61 | 53 | 46 | 70 | 59 | 51 | 54 | 48 | 43 | 35 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 49 | 42 | 37 | 31 |
| 7 | 63 | 50 | 42 | 36 | 60 | 48 | 40 | 45 | 38 | 33 | 28 |
| 8 | 58 | 46 | 38 | 32 | 56 | 44 | 37 | 41 | 34 | 30 | 25 |
| 9 | 55 | 42 | 34 | 29 | 52 | 40 | 33 | 38 | 31 | 27 | 23 |
| 10 | 51 | 39 | 31 | 26 | 49 | 37 | 30 | 35 | 29 | 24 | 20 |

| ZONAL LUMEN SUMMARY | | | |
|---|---|---|---|
| Zone | Lumens | %Fixture | %Lamp |
| 0-30 | 478 | 24.7% | 24.7% |
| 0-40 | 764 | 39.5% | 39.5% |
| 0-60 | 1196 | 61.9% | 61.9% |
| 0-90 | 1511 | 78.2% | 78.2% |
| 90-130 | 242 | 12.5% | 12.5% |
| 90-150 | 357 | 18.5% | 18.5% |
| 90-180 | 422 | 21.8% | 21.8% |
| 0-180 | 1933 | 100.0% | 100.0% |

| Electrical | | | | |
|---|---|---|---|---|
| 120V: P(W), I(A), THD(%), PF | 18.2 | 0.153 | 9.0 | 0.994 |
| 277V: P(W), I(A), THD(%), PF | 18.3 | 0.069 | 15.0 | 0.959 |
| 347V: P(W), I(A), THD(%), PF | 18.9 | 0.056 | 15.0 | 0.965 |

| AVG LUMINANCE (cd/m²) | | | |
|---|---|---|---|
| | 0 | 45 | 90 |
| 0 | 3967 | 3967 | 3967 |
| 5 | 4591 | 4030 | 3590 |
| 15 | 6324 | 4341 | 3441 |
| 25 | 8380 | 4538 | 3321 |
| 35 | 8143 | 3628 | 2647 |
| 45 | 5118 | 3005 | 2334 |
| 55 | 3688 | 2960 | 2297 |
| 65 | 3433 | 3330 | 2241 |
| 75 | 3357 | 3567 | 1972 |
| 85 | 3521 | 3545 | 524 |




22% Up / 78% Down

# EyeLine linear wall

## Photometrics

### 100% Down – Nominal Distribution (WJ Optics)

(Click "PDF", "IES", or "RFA" text to Download)

| Lumen Package (per 4ft) | Nominal CRI & CCT | Flux[1] (lm) | Watts[1] (W) | Efficacy[1] (lm/W) | CIE 013.3-1995[2] | | IES TM-30-18[3] | | | MDER[4] | UGR[5] | WELL[6] | DLC (120/227)[7] | Photometry Report | IES File | Revit/BIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CRI $R_a$ | $R_9$ | $R_f$ | $R_g$ | $R_{cs,h1}$ | | | | | | | |
| 4800lm | CRI 90, 5000K | 4278 | 41.4 | 103.3 | 93 | 64 | 90 | 99 | -5% | 0.86 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 4141 | 41.4 | 100.0 | 93 | 62 | 91 | 99 | -5% | 0.70 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 4008 | 41.6 | 96.3 | 93 | 58 | 91 | 99 | -6% | 0.62 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 3844 | 41.8 | 92.0 | 94 | 57 | 91 | 100 | -5% | 0.54 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 3784 | 41.8 | 90.5 | 93 | 53 | 92 | 99 | -6% | 0.48 | N/A | | | PDF | IES | |
| 3400lm | CRI 90, 5000K | 3001 | 27.5 | 109.1 | 93 | 64 | 90 | 99 | -5% | 0.86 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 2904 | 27.5 | 105.6 | 93 | 62 | 91 | 99 | -5% | 0.70 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 2811 | 27.6 | 101.8 | 93 | 58 | 91 | 99 | -6% | 0.62 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 2696 | 27.8 | 97.0 | 94 | 57 | 91 | 100 | -5% | 0.54 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 2654 | 27.8 | 95.5 | 93 | 53 | 92 | 99 | -6% | 0.48 | N/A | | | PDF | IES | |
| 2400lm | CRI 90, 5000K | 2067 | 18.1 | 114.2 | 93 | 64 | 90 | 99 | -5% | 0.86 | N/A | Yes | N/A | PDF | IES | RFA |
| | CRI 90, 4000K | 2001 | 18.1 | 110.6 | 93 | 62 | 91 | 99 | -5% | 0.70 | N/A | | | PDF | IES | |
| | CRI 90, 3500K | 1937 | 18.2 | 106.4 | 93 | 58 | 91 | 99 | -6% | 0.62 | N/A | | | PDF | IES | |
| | CRI 90, 3000K | 1857 | 18.3 | 101.5 | 94 | 57 | 91 | 100 | -5% | 0.54 | N/A | | | PDF | IES | |
| | CRI 90, 2700K | 1829 | 18.3 | 99.9 | 93 | 53 | 92 | 99 | -6% | 0.48 | N/A | | | PDF | IES | |

[1] 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires painted in finishes other than standard white result in an up to 8% drop in light flux and efficacy.

[2] Color Rendering Index (CRI $R_a$) and Strong Red ($R_9$) are calculated in accordance with CIE 013.3-1995.

[3] Fidelity Index ($R_f$), Gamut Index ($R_g$), and Red Local Chroma Shift ($R_{cs,h1}$) are calculated in accordance with IES TM-30-18.

[4] Melanopic Daylight Efficacy Ratio (MDER) is the measure for "spectral melanopic efficiency" as defined in CIE S 026-2018.

[5] Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

[6] The WELL Building Standard® is the first standard to integrate human health and wellness into the design, construction, maintenance and operations of buildings. Select EyeLine configurations contribute toward satisfying features L03, L04, L06, L07 and L08 under the WELL v2 Building Standard®.

[7] DLC is only available for configurations with a standard white finish. For 347V DLC listings, please visit the DLC QPL website. Battery Packs are not available for DLC listed versions.

| CANDELA DISTRIBUTION | | | | | | Flux |
|---|---|---|---|---|---|---|
| | 0 | 22.5 | 45 | 67.5 | 90 | Lumens |
| 0 | 657 | 657 | 657 | 657 | 657 | |
| 5 | 737 | 713 | 662 | 622 | 602 | 65 |
| 15 | 973 | 870 | 685 | 584 | 559 | 208 |
| 25 | 1225 | 998 | 655 | 516 | 496 | 342 |
| 35 | 1027 | 796 | 478 | 375 | 358 | 356 |
| 45 | 584 | 473 | 338 | 285 | 277 | 291 |
| 55 | 375 | 331 | 273 | 234 | 227 | 251 |
| 65 | 259 | 248 | 222 | 182 | 169 | 211 |
| 75 | 171 | 168 | 147 | 107 | 91 | 141 |
| 85 | 76 | 76 | 43 | 13 | 9 | 46 |
| 90 | 24 | 15 | 2 | 1 | 1 | |
| 95 | 4 | 3 | 2 | 2 | 2 | 3 |
| 105 | 5 | 3 | 2 | 5 | 8 | 4 |
| 115 | 5 | 4 | 2 | 5 | 9 | 5 |
| 125 | 6 | 4 | 2 | 5 | 8 | 4 |
| 135 | 6 | 4 | 2 | 5 | 8 | 3 |
| 145 | 6 | 4 | 3 | 4 | 7 | 3 |
| 155 | 6 | 4 | 3 | 4 | 6 | 2 |
| 165 | 5 | 4 | 4 | 5 | 6 | 1 |
| 175 | 5 | 5 | 5 | 5 | 5 | 0 |
| 180 | 5 | 5 | 5 | 5 | 5 | |

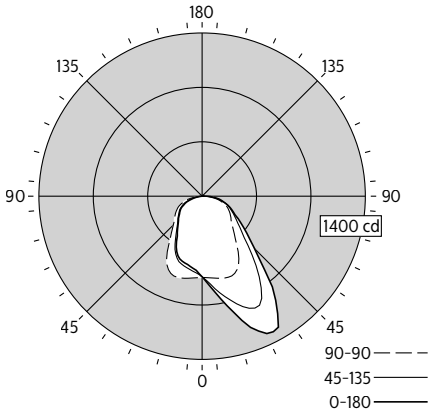
*Photometric data shown is for 2400lm/4ft, CRI 90, 3500K configuration.

| COEFFICIENTS OF UTILIZATION (%) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 110 | 110 | 110 | 99 |
| 1 | 108 | 104 | 99 | 96 | 106 | 101 | 97 | 97 | 94 | 91 | 83 |
| 2 | 99 | 91 | 84 | 78 | 96 | 89 | 83 | 85 | 80 | 75 | 69 |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 75 | 69 | 64 | 59 |
| 4 | 83 | 72 | 63 | 56 | 81 | 70 | 62 | 67 | 61 | 55 | 51 |
| 5 | 77 | 64 | 56 | 49 | 75 | 63 | 55 | 61 | 54 | 48 | 45 |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 55 | 48 | 42 | 39 |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 51 | 43 | 38 | 35 |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 46 | 39 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 56 | 44 | 36 | 43 | 36 | 31 | 29 |
| 10 | 54 | 41 | 34 | 29 | 53 | 41 | 33 | 40 | 33 | 28 | 26 |

| ZONAL LUMEN SUMMARY | | | |
|---|---|---|---|
| Zone | Lumens | %Fixture | %Lamp |
| 0-30 | 614 | 31.7% | 31.7% |
| 0-40 | 970 | 50.1% | 50.1% |
| 0-60 | 1512 | 78.1% | 78.1% |
| 0-90 | 1911 | 98.6% | 98.6% |
| 90-130 | 17 | 0.9% | 0.9% |
| 90-150 | 23 | 1.2% | 1.2% |
| 90-180 | 26 | 1.4% | 1.4% |
| 0-180 | 1937 | 100.0% | 100.0% |

| Electrical | | | | |
|---|---|---|---|---|
| 120V: P(W), I(A), THD(%), PF | 18.2 | 0.153 | 9.0 | 0.994 |
| 277V: P(W), I(A), THD(%), PF | 18.3 | 0.069 | 15.0 | 0.959 |
| 347V: P(W), I(A), THD(%), PF | 18.9 | 0.056 | 15.0 | 0.965 |

| AVG LUMINANCE (cd/m²) | | | |
|---|---|---|---|
| | 0 | 45 | 90 |
| 0 | 5275 | 5275 | 5275 |
| 5 | 5915 | 5338 | 4825 |
| 15 | 7966 | 5685 | 4575 |
| 25 | 10563 | 5793 | 4277 |
| 35 | 9676 | 4671 | 3372 |
| 45 | 6270 | 3822 | 2973 |
| 55 | 4841 | 3801 | 2927 |
| 65 | 4363 | 4180 | 2857 |
| 75 | 4346 | 4480 | 2313 |
| 85 | 4177 | 3702 | 501 |




1% Up / 99% Down

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