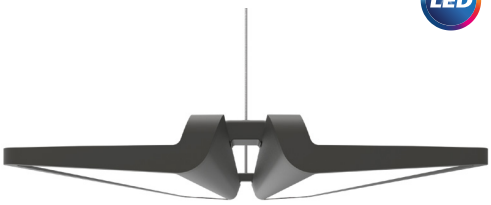
LEDALITE
by signify

Linear

EyeLine

Suspended



Project:

Location:

Cat.No:

Type:

Line ID: Qty:

Notes:

Stylishly sophisticated, boldly dramatic... **Ledalite EyeLine suspended** 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. Providing gentle, glare free illumination, 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: ELGSL93548QN04DERNNNWW04, R5

Family	Ceiling Type	Mount Type	Source	CRI / CCT [1]	Lumens [1]	Optics	Distribution [1]	Run Length
EL		S	L			Q		
EL EyeLine	**G** T-Grid **C** Chicago T-Grid **D** Drywall [4] **S** Open Structure	**S** Suspended	**L** LED	**950** CRI 90, 5000K **940** CRI 90, 4000K **935** CRI 90, 3500K **930** CRI 90, 3000K **927** CRI 90, 2700K **850** CRI 80, 5000K **840** CRI 80, 4000K **835** CRI 80, 3500K **830** CRI 80, 3000K **827** CRI 80, 2700K	**68** 6800lm/4ft **48** 4800lm/4ft **34** 3400lm/4ft	**Q** Symmetric MesoOptics Lens	**N** 65% Up / 35% Dn **G** 20% Up / 80% Dn **J** 100% Dn	**04** 4ft **XX** Continuous Run (4ft increments)

Voltage	Driver	Circuit [2]	Wiring Option [2]	System / Controls [5]	Finish [6]	Power Cord Color	Suspension	Ceiling Mount
		R						
D UNV 120-277V **3** 347V [3]	**E** Advance Xitanium 0-10V (1% Dim) **D** Advance Xitanium DALI (5% Dim) [3] **H** Lutron EcoSystem LDE1 (<1% Dim, Fade-to-Black) [3] **S** Advance Xitanium Sensor Ready (5% Dim) [3]	**R** Single Circuit, Remote Driver	**N** None **E** Auxiliary Wiring[7] **B** Battery Pack [3, 4]	**NN** None **SZ** SpaceWise DT Daylight & Occupancy	**W** Signal White **B** Midnight Black **R** Racing Red **G** Graphite Grey **C** Custom	**W** White **B** Black	**04** 4ft **08** 8ft **12** 12ft **20** 20ft	**R1** Drywall **R3** Surface/ Structure/ Hard Ceiling **R5** T-Grid 24" Span Mount **R6-1** On-Grid 15/16" non-tegular **R6-2** On-Grid 9/16" non-tegular **R6-3** On-Grid 9/16" & 5/16" tegular

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. Auxiliary Wiring not available with SpaceWise DT luminaires.

mesoOptics

EyeLine linear suspended

Options and Details

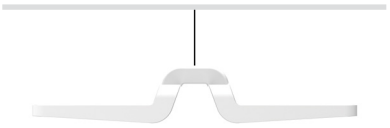
Performance Summary - Suspended*

LED Output (lm/4ft)	3400lm		4800lm		6800lm	
CCT	3500K	4000K	3500K	4000K	3500K	4000K
Energy (W/4ft)	25	25	35.9	35.9	53.1	53.3
Efficacy (lm/W)	118.3	122	116.5	120.2	116	119.2

* 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

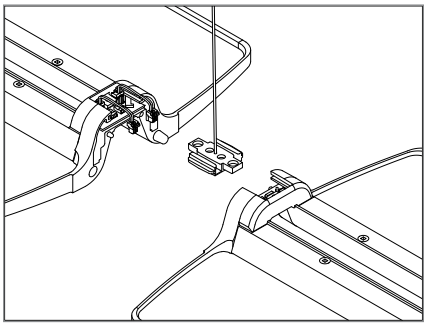
Modular Continuous Rows

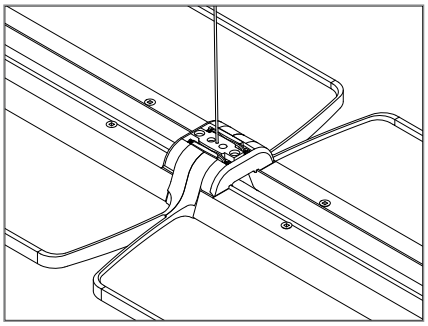
EyeLine has been designed to use as few Driver Pods and power drops as possible for continuous rows. A 4-letter suffix will be added by the factory to the EyeLine part number as chosen by customers. This 4-letter suffix will be noted on factory drawings and orders and can be referenced below.

Version	Driver Count	Wiring Pass-Thru
Reference only - specified by factory based on row requirements		
S Standalone **M** Mid-run **E** End-Run	**A** Single Driver **B** Dual Driver	**PT** Power/Terminate **PJ** Power/Jumper **JJ** Jumper/Jumper **JT** Jumper/Terminate

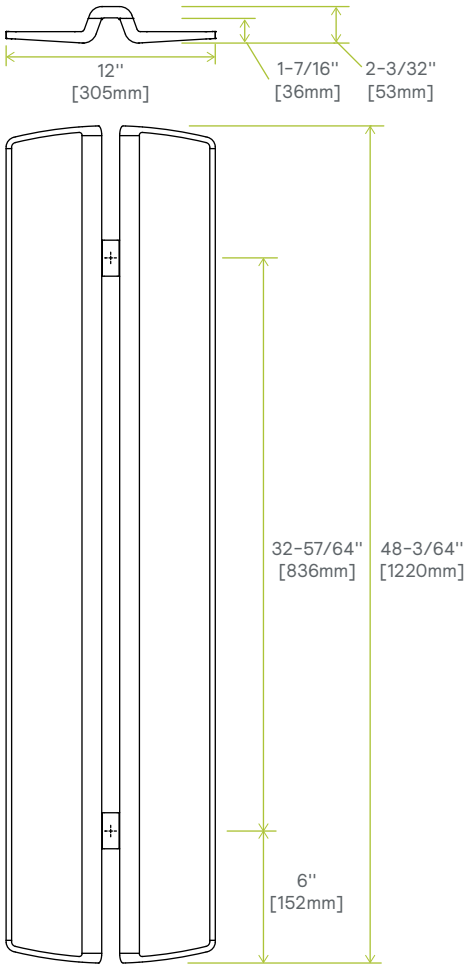
EyeLine can be specified in any row length, in 4ft increments. The luminaire has been uniquely engineered so continuous row mounting is an easy plug and play installation with 4ft modules.

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





Dimensions



EyeLine linear suspended

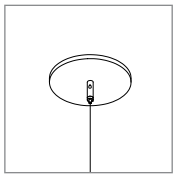
Mounting

EyeLine can be mounted to a T-Grid, drywall, or exposed ceiling.
The canopies used for each ceiling type are shown below.

R1 and R3 canopies can be customized to any paint finish upon request.

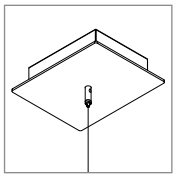
Non-Power

Drywall (R1)



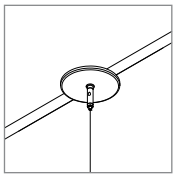
Canopy diameter: 5"

Open Structure (R3)



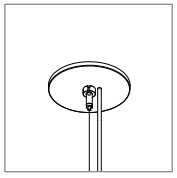
Cover: 6"x6"x0.13"
Base: 4.5"x4.5"x1.75"

T-Grid (R5 & R6)

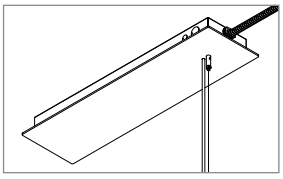


Canopy diameter: 3.75"
(R6-1 shown)

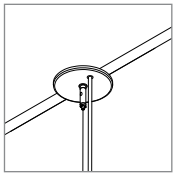
Power



Canopy diameter: 5"



Cover: 22"x6"x0.13"
Base: 20.4"x4.5"x1.75"

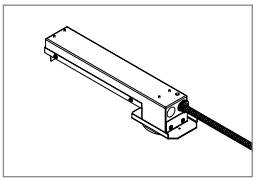


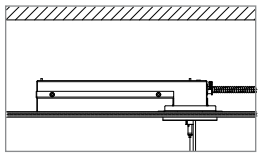
Canopy diameter: 3.75"
(R6-1 shown)

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 either attaches directly to the grid with enclosed mounting hardware or to grid with a 24" span mount bracket. 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 ceiling installation, the Driver Pod is attached directly to the ceiling, along with a decorative covering to minimize the appearance of the Driver Pod.

Drywall (R1)

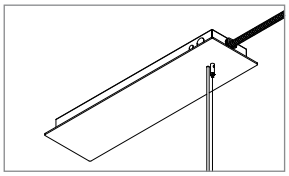


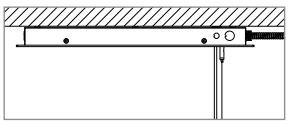


Max dimensions of box:
16"x3"x3"

Plenum height in drywall ceilings must have a minimum of 8.5" of clearance in order to install the Driver Pod

Open Structure (R3)

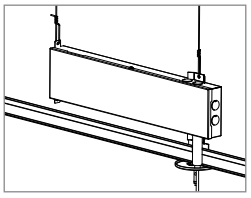


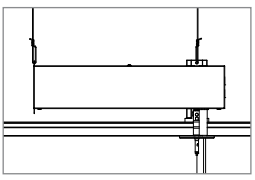


Max dimensions of box
(including decorative cover plate):
22"x6"x1.88"

R3 Open Structure Driver Pods can be painted to match luminaire or any other color on request

T-Grid (R5 & R6)





Max dimensions of box:
20.5"x4.5"x1.75"
R6-1 mount shown

Note: Due to EyeLine's design where the mount points on the modules ends are inset 6", a mix of R5 (off-grid) and R6 (on-grid) mounts may be required when mounting EyeLine perpendicular to the grid system.

EyeLine linear suspended

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 9.6lbs/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

Aircraft cable: pre-installed at power cord locations, provided separate for non-power locations. Easy cable cinch & cut at ceiling level

Power and non-power canopies standard finish is white. R1 (Drywall) & R3 (Open Structure) canopies available in custom finish.

Approvals

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

Environment

Luminaires and Driver Pods suitable for 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 suspended

Photometrics

65% Up / 35% Down Nominal Distribution (QN 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	$R_{cs,h1}$							
6800lm	CRI 90, 5000K	6498	53.1	122.4	93	67	90	100	-5%	0.88	13.4	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	6351	53.3	119.2	93	64	91	99	-5%	0.71	13.4			PDF	IES	
	CRI 90, 3500K	6157	53.1	116.0	93	60	91	100	-6%	0.63	13.3			PDF	IES	
	CRI 90, 3000K	5881	53.3	110.3	94	58	91	100	-5%	0.55	13.1			PDF	IES	
	CRI 90, 2700K	5792	53.1	109.1	94	54	92	100	-6%	0.48	13.0			PDF	IES	
4800lm	CRI 90, 5000K	4414	35.9	123.0	93	67	90	100	-5%	0.88	12.1	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	4314	35.9	120.2	93	64	91	99	-5%	0.71	12.0			PDF	IES	
	CRI 90, 3500K	4182	35.9	116.5	93	60	91	100	-6%	0.63	11.9			PDF	IES	
	CRI 90, 3000K	3994	35.9	111.3	94	58	91	100	-5%	0.55	11.8			PDF	IES	
	CRI 90, 2700K	3934	35.9	109.6	94	54	92	100	-6%	0.48	11.7			PDF	IES	
3400lm	CRI 90, 5000K	3122	25.0	124.9	93	67	90	100	-5%	0.88	10.9	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	3051	25.0	122.0	93	64	91	99	-5%	0.71	10.8			PDF	IES	
	CRI 90, 3500K	2958	25.0	118.3	93	60	91	100	-6%	0.63	10.7			PDF	IES	
	CRI 90, 3000K	2825	25.0	113.0	94	58	91	100	-5%	0.55	10.5			PDF	IES	
	CRI 90, 2700K	2782	25.0	111.3	94	54	92	100	-6%	0.48	10.5			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	268	268	268	268	268	
5	275	277	279	288	285	28
15	302	317	342	381	383	99
25	318	340	404	475	503	185
35	248	258	332	383	435	204
45	175	177	208	229	256	163
55	142	141	152	155	166	136
65	118	112	114	111	118	113
75	79	73	74	67	71	76
85	27	20	25	24	28	32
90	13	18	31	51	60	
95	97	94	174	258	346	196
105	216	245	394	545	651	418
115	257	299	427	603	672	439
125	235	269	348	473	506	328
135	206	225	267	326	339	214
145	198	206	226	251	257	145
155	206	209	219	229	232	102
165	217	218	222	224	226	63
175	223	223	224	224	224	21
180	224	224	224	224	224	

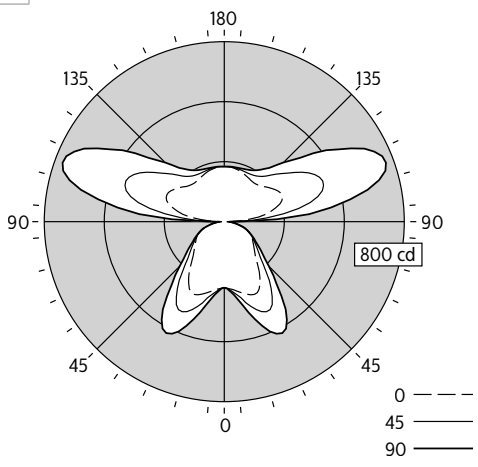
*Photometric data shown is for 3400lm/4ft, CRI 90, 3500K configuration.

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	54	50	24
3	78	69	62	56	70	63	56	50	46	42	21
4	72	61	53	47	64	55	49	45	40	36	18
5	66	54	46	41	59	49	42	40	35	31	15
6	60	49	41	35	54	44	37	36	31	27	14
7	56	44	36	31	50	40	33	33	28	24	12
8	52	40	32	27	47	36	30	30	25	21	11
9	48	36	29	24	43	33	27	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	312	10.5%	10.5%
0-40	515	17.4%	17.4%
0-60	814	27.5%	27.5%
0-90	1034	35.0%	35.0%
90-130	1380	46.7%	46.7%
90-150	1738	58.8%	58.8%
90-180	1924	65.0%	65.0%
0-180	2958	100.0%	100.0%

ELECTRICAL				
120V: P(W), I(A), THD(%), PF	25.0	0.210	9.0	0.993
277V: P(W), I(A), THD(%), PF	25.0	0.096	14.5	0.944
347V: P(W), I(A), THD(%), PF	24.8	0.075	13.0	0.957

AVG LUMINANCE (cd/m²)			
	0	45	90
0	779	779	779
5	800	814	830
15	906	1024	1145
25	1018	1284	1595
35	875	1162	1520
45	715	839	1030
55	712	751	817
65	802	752	774
75	870	774	741
85	854	684	762



65% Up / 35% Down

EyeLine linear suspended

Photometrics

20% Up / 80% Down Nominal Distribution (QG 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	$R_{cs,h1}$							
6800lm	CRI 90, 5000K	6035	53.1	113.7	93	67	90	100	-5%	0.88	19.9	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	5920	53.4	110.9	93	62	91	99	-5%	0.70	19.9		Standard	PDF	IES	
	CRI 90, 3500K	5698	53.2	107.1	93	59	91	100	-6%	0.62	19.7		N/A	PDF	IES	
	CRI 90, 3000K	5470	53.4	102.4	94	57	91	100	-5%	0.55	19.6		N/A	PDF	IES	
	CRI 90, 2700K	5398	53.1	101.7	93	54	92	99	-6%	0.48	19.6		N/A	PDF	IES	
4800lm	CRI 90, 5000K	4099	35.9	114.2	93	67	90	100	-5%	0.88	18.6	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	4021	35.9	112.0	93	62	91	99	-5%	0.70	18.5		Standard	PDF	IES	
	CRI 90, 3500K	3870	35.9	107.8	93	59	91	100	-6%	0.62	18.4		N/A	PDF	IES	
	CRI 90, 3000K	3715	35.9	103.5	94	57	91	100	-5%	0.55	18.3		N/A	PDF	IES	
	CRI 90, 2700K	3666	35.9	102.1	93	54	92	99	-6%	0.48	18.2		N/A	PDF	IES	
3400lm	CRI 90, 5000K	2899	25.0	116.0	93	67	90	100	-5%	0.88	17.4	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	2844	25.0	113.8	93	62	91	99	-5%	0.70	17.3		Standard	PDF	IES	
	CRI 90, 3500K	2737	25.0	109.5	93	59	91	100	-6%	0.62	17.2		N/A	PDF	IES	
	CRI 90, 3000K	2628	25.0	105.1	94	57	91	100	-5%	0.55	17.1		N/A	PDF	IES	
	CRI 90, 2700K	2593	25.0	103.7	93	54	92	99	-6%	0.48	17.0		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	700	700	700	700	700	
5	707	712	717	730	719	70
15	738	761	797	855	863	229
25	726	748	850	944	991	386
35	542	543	664	728	803	405
45	372	378	427	449	485	328
55	303	298	313	314	334	279
65	244	237	240	230	246	235
75	161	148	152	141	149	157
85	51	39	46	42	50	53
90	7	7	13	16	18	
95	23	14	17	15	17	21
105	78	67	75	74	85	77
115	108	111	127	146	158	126
125	108	116	131	152	160	119
135	102	107	118	132	135	92
145	100	102	109	118	120	69
155	104	104	108	113	114	50
165	108	108	110	111	112	31
175	110	110	111	111	111	11
180	111	111	111	111	111	

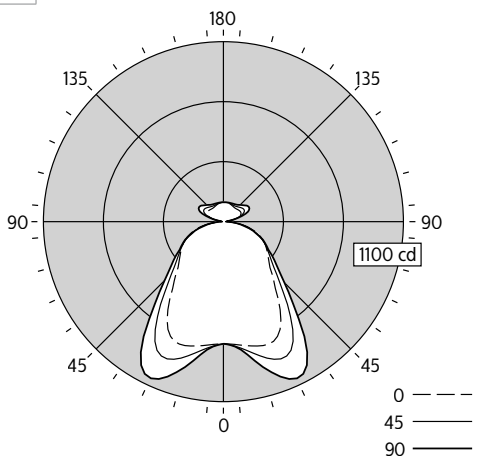
*Photometric data shown is for 3400lm/4ft, CRI 90, 3500K configuration.

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	66
2	95	87	80	75	90	83	77	76	72	68	55
3	87	77	69	63	82	74	67	67	62	57	47
4	80	68	60	54	76	65	58	60	54	49	41
5	73	61	53	46	70	59	51	54	48	43	35
6	68	55	47	41	65	53	45	49	43	38	31
7	63	50	42	36	60	48	41	45	38	33	28
8	59	46	38	32	56	44	37	41	35	30	25
9	55	42	34	29	52	41	33	38	32	27	23
10	51	39	31	26	49	37	30	35	29	25	21

AVG LUMINANCE (cd/m²)			
	0	45	90
0	2034	2034	2034
5	2060	2086	2093
15	2217	2384	2582
25	2320	2702	3147
35	1914	2324	2807
45	1522	1723	1952
55	1524	1542	1642
65	1657	1584	1617
75	1768	1598	1547
85	1610	1264	1338

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%L amp
0-30	684	25.0%	25.0%
0-40	1090	39.8%	39.8%
0-60	1697	62.0%	62.0%
0-90	2141	78.2%	78.2%
90-130	342	12.5%	12.5%
90-150	504	18.4%	18.4%
90-180	596	21.8%	21.8%
0-180	2737	100.0%	100.0%

Electrical				
120V: P(W), I(A), THD(%), PF	25.0	0.210	9.0	0.993
277V: P(W), I(A), THD(%), PF	25.0	0.096	14.5	0.944
347V: P(W), I(A), THD(%), PF	24.8	0.075	13.0	0.957



22% Up / 78% Down

EyeLine linear suspended

Photometrics

100% Down Nominal Distribution (QJ 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	$R_{cs,h1}$							
6800lm	CRI 90, 5000K	6082	53.2	114.3	93	64	90	99	-5%	0.86	22.3	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	5887	53.4	110.2	93	62	91	99	-5%	0.70	22.2		Standard	PDF	IES	
	CRI 90, 3500K	5698	53.2	107.1	93	58	91	99	-6%	0.62	22.1		N/A	PDF	IES	
	CRI 90, 3000K	5465	53.4	102.3	94	57	91	100	-5%	0.54	21.9		N/A	PDF	IES	
	CRI 90, 2700K	5380	53.1	101.3	93	53	92	99	-6%	0.48	21.9		N/A	PDF	IES	
4800lm	CRI 90, 5000K	4131	35.9	115.1	93	64	90	99	-5%	0.86	21.0	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	3998	35.9	111.4	93	62	91	99	-5%	0.70	20.8		Standard	PDF	IES	
	CRI 90, 3500K	3870	35.9	107.8	93	58	91	99	-6%	0.62	20.7		N/A	PDF	IES	
	CRI 90, 3000K	3712	35.9	103.4	94	57	91	100	-5%	0.54	20.6		N/A	PDF	IES	
	CRI 90, 2700K	3654	35.9	101.8	93	53	92	99	-6%	0.48	20.5		N/A	PDF	IES	
3400lm	CRI 90, 5000K	2927	24.9	117.6	93	64	90	99	-5%	0.86	19.8	Yes	Standard	PDF	IES	RFA
	CRI 90, 4000K	2833	24.9	113.8	93	62	91	99	-5%	0.70	19.6		Standard	PDF	IES	
	CRI 90, 3500K	2742	24.9	110.1	93	58	91	99	-6%	0.62	19.5		N/A	PDF	IES	
	CRI 90, 3000K	2630	24.9	105.6	94	57	91	100	-5%	0.54	19.4		N/A	PDF	IES	
	CRI 90, 2700K	2589	24.9	104.0	93	53	92	99	-6%	0.48	19.3		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.

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[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	932	932	932	932	932	
5	939	944	949	962	959	92
15	970	993	1036	1101	1114	296
25	937	958	1082	1185	1237	489
35	677	672	823	901	984	503
45	476	470	531	543	603	408
55	383	380	394	395	414	352
65	309	301	303	293	303	297
75	211	189	195	177	185	199
85	68	52	62	50	62	65
90	2	6	11	13	14	
95	3	3	3	4	4	5
105	3	5	7	9	9	7
115	3	5	7	9	10	7
125	3	5	7	9	10	6
135	3	4	7	9	10	5
145	4	5	6	9	10	4
155	5	5	7	8	9	3
165	6	6	7	8	8	2
175	7	7	7	7	7	1
180	7	7	7	7	7	

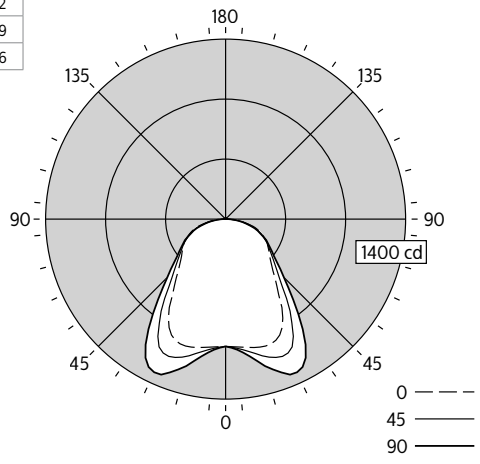
*Photometric data shown is for 3400lm/4ft, CRI 90, 3500K configuration.

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	79	96	89	83	85	80	75	69
3	91	80	72	66	88	79	71	75	69	64	59
4	83	72	63	57	81	70	62	68	61	55	51
5	77	64	56	49	75	63	55	61	54	48	45
6	71	58	50	43	69	57	49	55	48	43	40
7	66	53	45	39	65	52	44	51	43	38	35
8	62	49	40	35	60	48	40	47	39	34	32
9	58	45	37	31	56	44	37	43	36	31	29
10	54	42	34	29	53	41	34	40	33	28	26

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	877	32.0%	32.0%
0-40	1380	50.3%	50.3%
0-60	2141	78.1%	78.1%
0-90	2702	98.5%	98.5%
90-130	25	0.9%	0.9%
90-150	35	1.3%	1.3%
90-180	40	1.5%	1.5%
0-180	2742	100.0%	100.0%

Electrical				
120V: P(W), I(A), THD(%), PF	24.9	0.209	9.0	0.993
277V: P(W), I(A), THD(%), PF	25.0	0.096	14.5	0.944
347V: P(W), I(A), THD(%), PF	24.8	0.075	13.0	0.957

AVG LUMINANCE (cd/m²)			
	0	45	90
0	2708	2708	2708
5	2738	2763	2793
15	2914	3101	3331
25	2996	3437	3927
35	2394	2880	3439
45	1946	2143	2426
55	1928	1946	2036
65	2101	2005	1992
75	2328	2047	1920
85	2149	1712	1654



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