LEDALITE
by signify

Linear

EyeLine

Suspended

Stylishly sophisticated, boldly dramatic... **Ledalite EyeLine** 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**.

Project:

Location:

Cat.No:

Type:

Line ID: Qty:

Notes:

Ordering guide

example: ELGSL83548QN04DERNNNWW04, R5

Family	Ceiling Types	Mount Type	Source	CRI/CCT[1]	Lumens[1]	Optics	Distribution	Run Length	Voltage[2,3]
EL		S	L			Q			
EL EyeLine	**G** T-Grid **C** Chicago T-Grid **D** Drywall **S** Open Structure	**S** Suspended	**L** LED	**830** 80CRI, 3000K **835** 80CRI, 3500K **840** 80CRI, 4000K **935** 90CRI, 3500K	**68** 6800 lm/4ft **48** 4800 lm/4ft **34** 3400 lm/4ft	**Q** MesoOptics Lens	**N** 65% Up / 35% Dn **G** 20% Up / 80% Dn **J** 100% Dn	**04** 4ft **xx** Continuous Run (4ft increments)	**D** UNV 120-277V **3** 347V

Driver[2]	Circuit	EM Option[2,3,4]	Sensors	Finish[5]	Power Cord Color	Suspension	Ceiling Mount
	R						
E Advance 0-10V (1% Dim) **S** Advance Sensor Ready (5% dim)	**R** 1 Circuit, Remote Driver	**N** No Option **E** EM Wiring Ready **B** EM Batt. Pack	**NN** No Integral Sensor **SZ** SpaceWise DT Sensor	**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 color temp, 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 EM Batt. Packs, Advance Sensor Ready drivers, or SpaceWise DT sensors.
4. EM Batt. Pack not available with Drywall Ceiling.
5. Luminaires painted in finishes other than standard white result in up to 8% drop in light flux and efficacy.

mesoOptics

EyeLine linear suspended

Options and Details

Performance Summary - Suspended*

LED Output	3400lm	4800lm	6800lm	3400lm	4800lm	6800lm
CRI	82	82	82	93	93	93
Energy (in W, per 4ft)	25	36	54	30	43	65
Efficacy (in LPW)	130	130	126	115	112	105

* Values based on 3500K CCT and standard 65% up / 35% dn 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

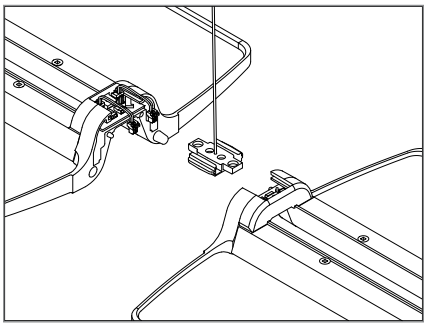
Modular Continuous Rows

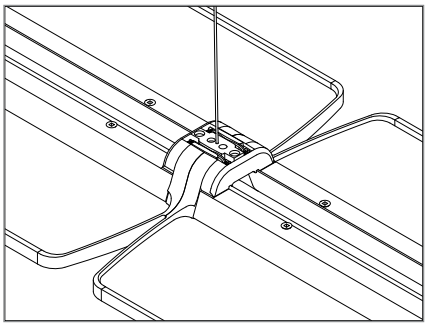
EyeLine has been designed to use as few Driver Pods and power drops as possible for continuous rows. A 4-letter suffix will be added by the factory to the EyeLine part number as chosen by customers. This 4-letter suffix will be noted on factory drawings and orders and can be referenced below.

Version	Driver Count	Wiring Pass-Thru
S Standalone	**A** Single Driver	**PT** Power/Terminate
M Mid-run	**B** Dual Driver	**PJ** Power/Jumper
E End-Run		**JJ** Jumper/Jumper
		JT Jumper/Terminate

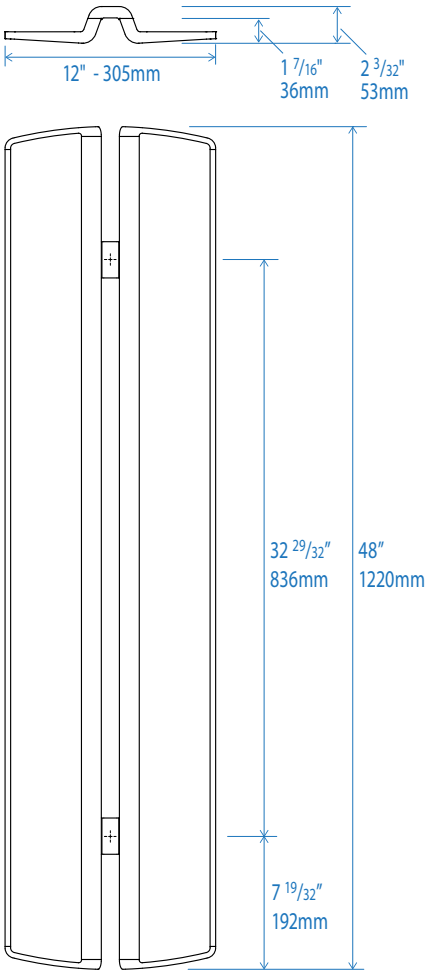
EyeLine can be specified in any row length, in 4ft increments. The luminaire has been uniquely engineered so continuous row mounting is an easy plug and play installation with 4ft modules.

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





Dimensions



EyeLine linear suspended

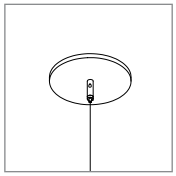
Mounting

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.

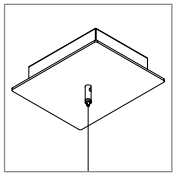
Non-Power

Drywall (R1)



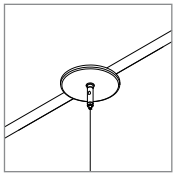
Canopy diameter: 5"

Open Structure (R3)



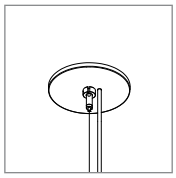
Cover: 6"x6"x0.13"
Base: 4.5"x4.5"x1.75"

T-Grid (R5 & R6)

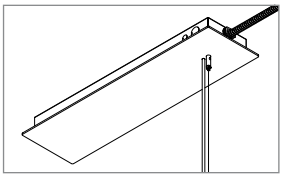


Canopy diameter: 3.75"
(R6-1 shown)

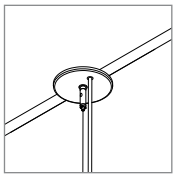
Power



Canopy diameter: 5"



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

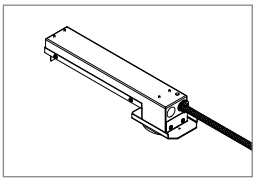


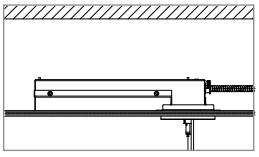
Canopy diameter: 3.75"
(R6-1 shown)

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)

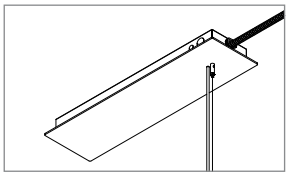


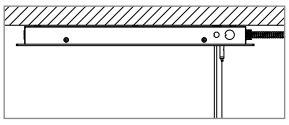


Max dimensions of box:
16"x3"x3"

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

Open Structure (R3)

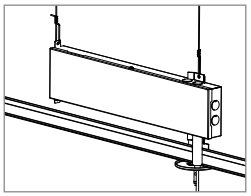


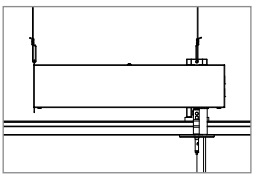


Max dimensions of box (including decorative cover plate):
22"x6"x1.88"

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 Sensor Ready, 5-100% (SpaceWise DT). 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-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
L90 (10k) >60,000 hrs suspended / >60,000 hrs wall. (Reported methodology)
L80 (10k) 122,000 hrs suspended / 100,000 hrs wall. (Projected methodology).

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM. Available 90 CRI option is rated for CRI >90, and R9 >50.

Electrical

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.

Controls

Remote mount SpaceWise DT occupancy & daylight sensor w/ advanced grouping & dwell time. SpaceWise DT commissioning via Android phone App. Compatible dimming wireless wall switches are available. White sensors only.

Validation

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

EyeLine linear suspended

Photometrics

65% Up / 35% Down Nominal Distribution (QN Optics)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	UGR	RP-1 VDT	DLC*	Photometry Report	IES File
3400 lm/4ft	3000K 80 CRI	3223	25.1	128.4	84	16	11.1	Critical spaces	Premium	PDF	IES
	3500K 80 CRI	3237	25	129.5	82	10	11.1	Critical spaces	Premium	PDF	IES
	4000K 80 CRI	3312	24.9	133	84	14	11.2	Critical spaces	Premium	PDF	IES
	3500K 90 CRI	3466	30.2	114.8	93	66	11.3	Critical spaces	Standard	PDF	IES
4800 lm/4ft	3000K 80 CRI	4605	35.9	128.3	84	16	12.3	Critical spaces	Premium	PDF	IES
	3500K 80 CRI	4624	35.7	129.5	82	10	12.3	Critical spaces	Premium	PDF	IES
	4000K 80 CRI	4731	35.6	132.9	84	14	12.4	Normal spaces	Premium	PDF	IES
	3500K 90 CRI	4797	42.8	112.1	93	66	12.4	Normal spaces	Standard	PDF	IES
6800 lm/4ft	3000K 80 CRI	6777	54.3	124.8	84	16	13.6	N/A	Standard	PDF	IES
	3500K 80 CRI	6805	54	126	82	10	13.7	N/A	Standard	PDF	IES
	4000K 80 CRI	6964	53.8	129.4	84	14	13.7	N/A	Standard	PDF	IES
	3500K 90 CRI	6861	65.2	105.2	93	66	13.7	N/A	Standard	PDF	IES

Values per 4ft. Fixture photometry has been conducted in accordance with IESNA LM-79-08.

*Luminaires painted in finishes other than standard white result in an up to 8% drop in light flux and efficacy. DLC is only available for configurations with a standard white finish and no EM Batt. Pack

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	293	293	293	293	293	
5	300	303	306	315	312	30
15	330	347	374	417	419	108
25	348	372	442	520	550	202
35	271	282	363	419	476	223
45	191	194	228	251	280	178
55	155	154	167	170	182	149
65	129	122	124	121	129	123
75	87	80	81	73	78	83
85	30	22	27	26	31	35
90	14	20	34	56	65	
95	106	102	191	282	379	214
105	237	268	431	596	712	457
115	281	327	467	660	736	481
125	257	294	381	518	553	359
135	225	246	292	356	371	234
145	217	226	248	274	282	158
155	226	229	239	251	254	111
165	237	238	242	246	247	69
175	244	244	245	245	245	23
180	245	245	245	245	245	

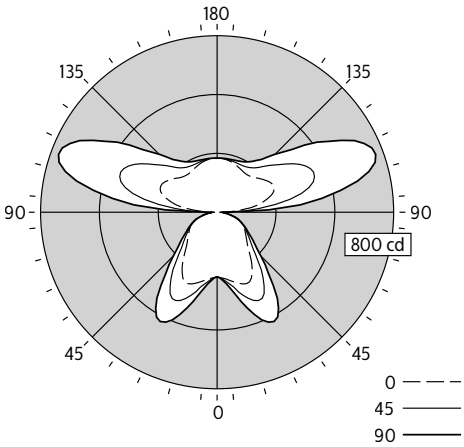
*Photometric data shown is for 3400 lm/ 4ft, 3500K, 80 CRI configuration.

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

AVG LUMINANCE (cd/m²)			
	0	45	90
0	852	852	852
5	876	890	908
15	991	1120	1253
25	1113	1405	1745
35	957	1271	1663
45	782	919	1126
55	779	822	894
65	878	822	847
75	953	847	811
85	934	748	832

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	341	10.5%	10.5%
0-40	564	17.4%	17.4%
0-60	891	27.5%	27.5%
0-90	1132	35.0%	35.0%
90-130	1510	46.7%	46.7%
90-150	1902	58.8%	58.8%
90-180	2105	65.0%	65.0%
0-180	3237	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	0.095	14.5	0.944
347V: P(W), I(A), THD(%), PF	24.6	0.074	13.0	0.957



65% Up / 35% Down

EyeLine linear suspended

Photometrics

20% Up / 80% Down Nominal Distribution (QG Optics)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	UGR	RP-1 VDT	DLC*	Photometry Report	IES File
3400 lm/4ft	3000K 80 CRI	2906	25.1	115.8	84	16	17.5	Normal spaces	Standard	PDF	IES
	3500K 80 CRI	2918	25	116.7	82	10	17.5	Normal spaces	Standard	PDF	IES
	4000K 80 CRI	2988	24.9	120	84	14	17.6	Normal spaces	Standard	PDF	IES
	3500K 90 CRI	3125	30.2	103.5	93	66	17.7	Normal spaces	N/A	PDF	IES
4800 lm/4ft	3000K 80 CRI	4150	35.9	115.6	84	16	18.7	N/A	Standard	PDF	IES
	3500K 80 CRI	4167	35.7	116.7	82	10	18.7	N/A	Standard	PDF	IES
	4000K 80 CRI	4266	35.6	119.8	84	14	18.8	N/A	Standard	PDF	IES
	3500K 90 CRI	4328	42.8	101.1	93	66	18.8	N/A	N/A	PDF	IES
6800 lm/4ft	3000K 80 CRI	6109	54.3	112.5	84	16	20	N/A	Standard	PDF	IES
	3500K 80 CRI	6134	54	113.6	82	10	20.1	N/A	Standard	PDF	IES
	4000K 80 CRI	6279	53.8	116.7	84	14	20.1	N/A	Standard	PDF	IES
	3500K 90 CRI	6188	65.2	94.9	93	66	20.1	N/A	N/A	PDF	IES

Values per 4ft. Fixture photometry has been conducted in accordance with IESNA LM-79-08.

*Luminaires painted in finishes other than standard white result in an up to 8% drop in light flux and efficacy. DLC is only available for configurations with a standard white finish and no EM Batt. Pack

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	747	747	747	747	747	
5	753	759	764	778	767	74
15	787	811	849	911	921	244
25	774	798	906	1006	1057	412
35	578	579	708	776	856	432
45	397	403	455	479	517	350
55	323	317	333	335	356	298
65	260	253	256	245	262	250
75	171	158	162	151	159	167
85	55	42	49	45	53	56
90	7	7	13	17	19	
95	24	15	18	16	18	22
105	83	72	80	79	91	82
115	115	118	135	156	169	134
125	116	124	140	162	170	127
135	109	114	126	141	144	98
145	107	109	117	126	128	74
155	111	111	115	120	122	54
165	115	116	117	119	120	33
175	118	118	118	118	118	11
180	118	118	118	118	118	

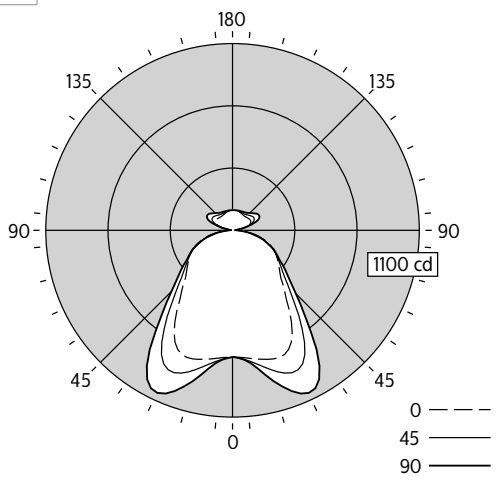
*Photometric data shown is for 3400 lm/ 4ft, 3500K, 80 CRI configuration.

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	2169	2169	2169
5	2196	2225	2231
15	2364	2542	2753
25	2474	2880	3355
35	2041	2478	2992
45	1623	1837	2082
55	1625	1644	1751
65	1767	1689	1724
75	1885	1704	1650
85	1717	1346	1427

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%L amp
0-30	730	25.0%	25.0%
0-40	1162	39.8%	39.8%
0-60	1810	62.0%	62.0%
0-90	2283	78.2%	78.2%
90-130	365	12.5%	12.5%
90-150	537	18.4%	18.4%
90-180	635	21.8%	21.8%
0-180	2918	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	0.095	14.5	0.944
347V: P(W), I(A), THD(%), PF	24.6	0.074	13.0	0.957



22% Up / 78% Down

EyeLine linear suspended

Photometrics

100% Down Nominal Distribution (QJ Optics)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	UGR	RP-1 VDT	DLC*	Photometry Report	IES File
3400 lm/4ft	3000K 80 CRI	2902	25.1	115.6	84	16	19.8	N/A	Standard	PDF	IES
	3500K 80 CRI	2914	25	116.6	82	10	19.8	N/A	Standard	PDF	IES
	4000K 80 CRI	2984	24.9	119.8	84	14	19.9	N/A	Standard	PDF	IES
	3500K 90 CRI	3124	30.2	103.4	93	66	20	N/A	N/A	PDF	IES
4800 lm/4ft	3000K 80 CRI	4145	35.9	115.5	84	16	21	N/A	Standard	PDF	IES
	3500K 80 CRI	4162	35.7	116.6	82	10	21	N/A	Standard	PDF	IES
	4000K 80 CRI	4261	35.6	119.7	84	14	21.1	N/A	Standard	PDF	IES
	3500K 90 CRI	4322	42.8	101	93	66	21.2	N/A	N/A	PDF	IES
6800 lm/4ft	3000K 80 CRI	6105	54.3	112.4	84	16	22.4	N/A	Standard	PDF	IES
	3500K 80 CRI	6129	54	113.5	82	10	22.4	N/A	Standard	PDF	IES
	4000K 80 CRI	6274	53.8	116.6	84	14	22.5	N/A	Standard	PDF	IES
	3500K 90 CRI	6179	65.2	94.8	93	66	22.4	N/A	N/A	PDF	IES

Values per 4ft. Fixture photometry has been conducted in accordance with IESNA LM-79-08.

*Luminaires painted in finishes other than standard white result in an up to 8% drop in light flux and efficacy. DLC is only available for configurations with a standard white finish and no EM Batt. Pack

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	991	991	991	991	991	
5	999	1004	1009	1022	1020	98
15	1031	1055	1101	1170	1184	315
25	996	1018	1150	1259	1315	520
35	720	714	874	958	1046	535
45	506	500	565	577	641	434
55	407	404	419	420	440	374
65	328	320	322	312	322	316
75	225	201	207	188	196	211
85	73	56	66	53	66	69
90	3	6	11	14	14	
95	3	4	4	4	4	5
105	3	5	7	9	10	7
115	3	6	8	10	11	8
125	3	5	8	10	11	7
135	4	5	7	10	11	6
145	4	5	7	9	10	4
155	5	6	7	9	10	3
165	6	7	7	8	8	2
175	7	7	7	7	7	1
180	7	7	7	7	7	

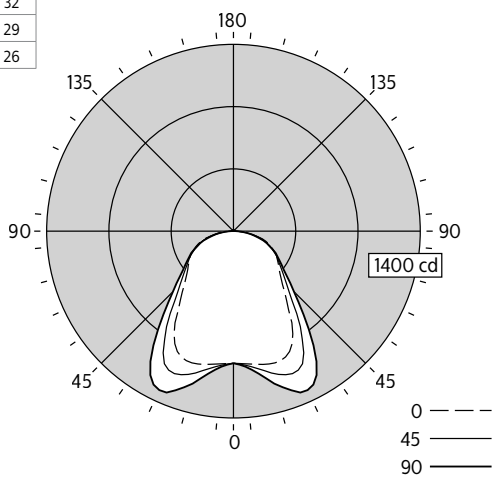
*Photometric data shown is for 3400 lm/ 4ft, 3500K, 80 CRI configuration.

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	933	32.0%	32.0%
0-40	1467	50.3%	50.3%
0-60	2275	78.1%	78.1%
0-90	2872	98.5%	98.5%
90-130	27	0.9%	0.9%
90-150	37	1.3%	1.3%
90-180	43	1.5%	1.5%
0-180	2914	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	0.095	14.5	0.944
347V: P(W), I(A), THD(%), PF	24.6	0.074	13.0	0.957

AVG LUMINANCE (cd/m²)			
	0	45	90
0	2878	2878	2878
5	2911	2937	2968
15	3097	3296	3541
25	3184	3653	4174
35	2544	3061	3655
45	2069	2277	2578
55	2049	2068	2164
65	2233	2131	2117
75	2474	2176	2041
85	2284	1819	1760



1% Up / 99% Down

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