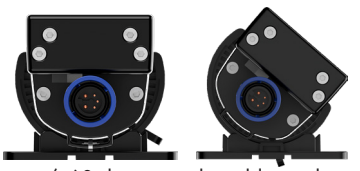
OUTDOOR

tgs

Date:	
Project Name:	
Sku #:	

Veil EX™

Linear Building and Facade Lighting



+/- 60 degrees adjustable angle.
Adjust to 30 degrees for the highest point

APPLICATIONS

Commercial and Industrial

FEATURES

Construction

- Anodized Extruded Aluminum Housing
- Die-cast end caps with IP65 sealing
- Flexible adjustment: allowing aiming within +/-60°
- IP65 Rated Self Locking Connectors
- Double-Ended Sealed from Intrusion

Finish

- Anodized Aluminum

Electrical & Technical

- Input Voltage: 120-277V
- Input Frequency: 50/60Hz
- Class II Driver
- Projected Life: L70 > 50,000 hrs
- PF: >0.9
- CRI: >80 or >90 [Option]
- THD: <20%
- CCT: 2700K, 3000K,3500K, 4000K, 5000K
- Operating Temp.: -13°F~122°F
- IP Rating: IP65

Optical

- Cove Optic: 110°
- Optic Lens:
  - 7°x7°
  - 10°x10°
  - 15°x15°
  - 18°x18°
  - 24°x24°
  - 36°x36°
  - 60°x60°
  - 12°x24° [Asymmetric]
  - 15°x40° [Asymmetric]
  - 15°x55° [Asymmetric]

Controls

- 0-10V Dimming

Installation/Mounting

- Surface Mount
- Run Length Limits: See Page 4
- Linkable

Lumen Output

1': PC Diffuser Lens 110°
- 10W: 900lm (5000K)

4': PC Diffuser Lens 110°
- 40W: 3,600lm (5000K)

Warranty

- 5 Year Warranty

See warranty documentation for more information.

80+ CRI IP65 Intertek

ORDERING INFORMATION

EXAMPLE: VEIL-EX-4-40-50-110-U-D-SM

VEIL-EX

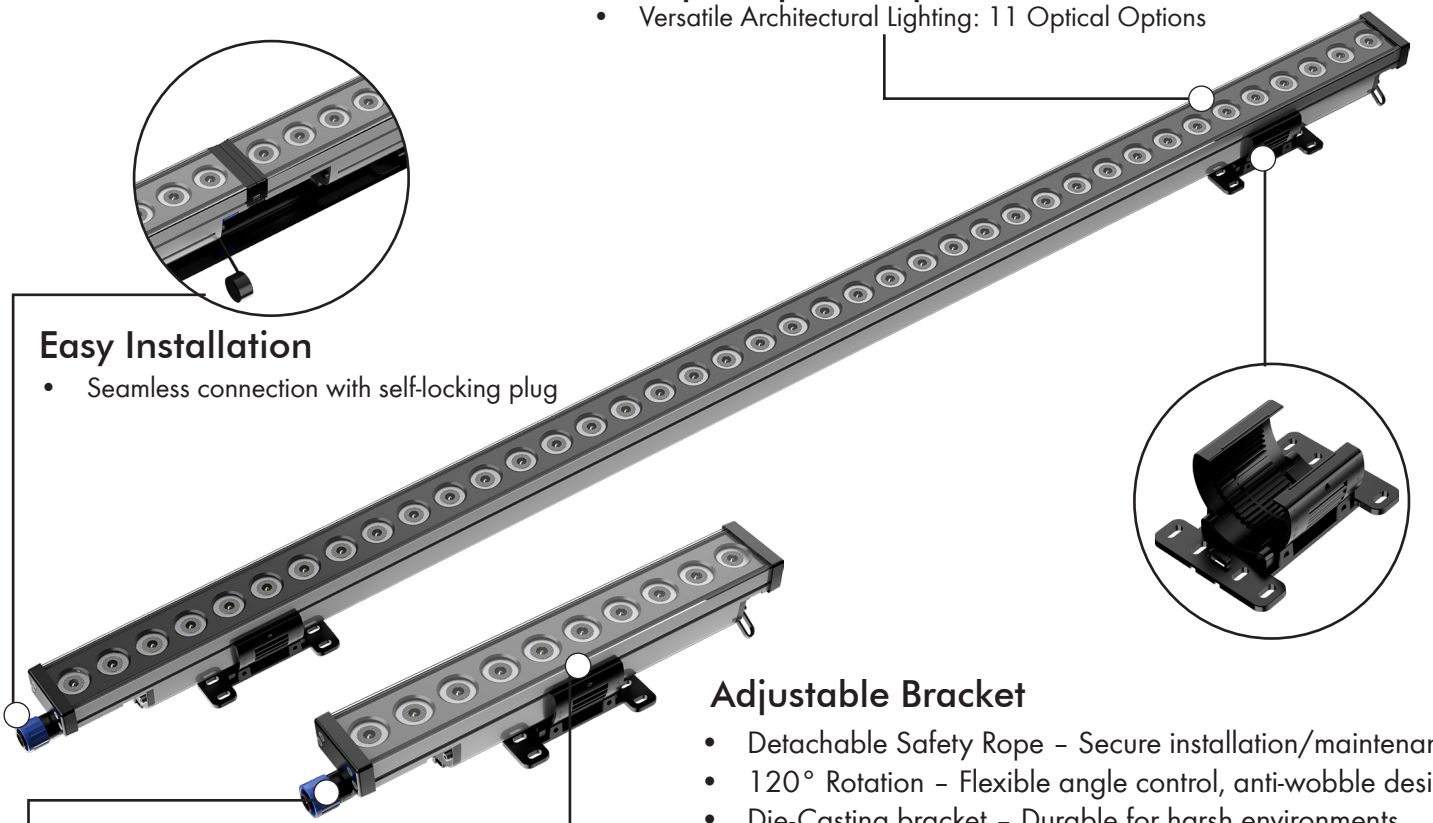
Series	Length	Wattage	CCT	Distribution	Input Voltage	Dimming	Mounting Option	CRI
VEIL-EX	1 - 1' 4 - 4'	10 - 10W 40 - 40W	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K	0707 - 7°x7° 1010 - 10°x10° 1515 - 15°x15° 1818 - 18°x18° 2424 - 24°x24° 3636 - 36°x36° 6060 - 60°x60° 1224 - 12°x24° 1540 - 15°x40° 1555 - 15°x55° 110 - 110° Cove Optic	U - 120-277V	D - 0-10V Dimming	SM - Surface Mount	90CRI [Option]

Power Harness Box	Extension Cable	Splicing Postioning Trunking
VEIL-EX-PHB (Power Harness Box [IP65 Rate])	VEIL-EX-EXT1 (1': SJOW/18AWG Extension Cable) VEIL-EX-EXT3 (3': SJOW/18AWG Extension Cable) VEIL-EX-EXT12 (12': SJOW/18AWG Extension Cable)	VEIL-EX-SPT4 (Splicing Positioning Track, Aluminum: 4') VEIL-EX-SPT8 (Splicing Positioning Track, Aluminum: 8')

9601 Variel Ave, Chatsworth, CA 91311
(818) - 206 - 4404

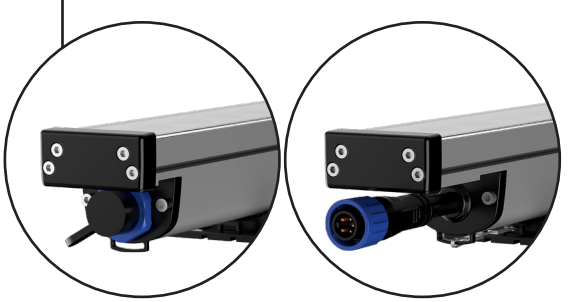
FEATURES

Multiple Optical Options
- Versatile Architectural Lighting: 11 Optical Options



Easy Installation
- Seamless connection with self-locking plug

Adjustable Bracket
- Detachable Safety Rope – Secure installation/maintenance.
- 120° Rotation – Flexible angle control, anti-wobble design.
- Die-Casting bracket – Durable for harsh environments.



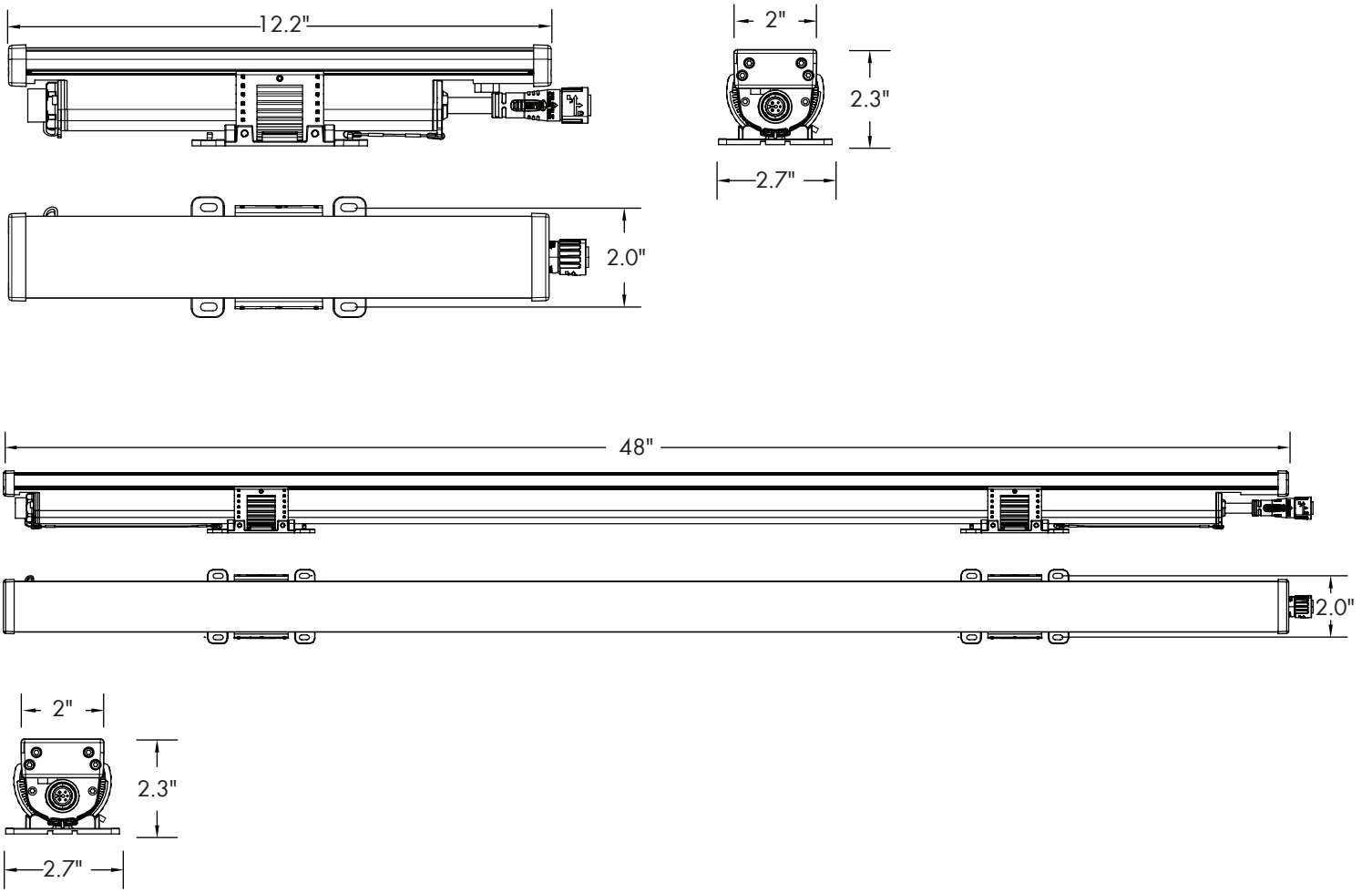
Waterproof Connectors
- Self-Locking Plugs: Quick-secure waterproof connection.
- Double-End Sealed: Sealing Cover + IP-rated connector prevents moisture ingress.

Cover Options
- Manufactured using dual-material co-extrusion technology, combining a PC main body with a TPU sealing layer for superior sealing performance.
- Rated IP65 for dust and water resistance and IK08 for impact resistance, making it suitable for harsh environments.
- UV-resistant with enhanced weather durability, ensuring long-term performance without aging or degradation.

PC Diffuser Cove Optic:
- Soft, wide-angle illumination with low glare
- Helps create smooth, uniform cove lighting

Lens Cover:
- Provides focused beam for precise light control.
- Enhances optical efficiency and punch.

DIMENSIONS



LUMEN OUTPUT

PC Diffused Lens (110°)

SKU	Length (ft)	Wattage (W)	2700K		3000K		3500K		4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
VEIL-EX-1-10-50-110-U-D-SM	1	10	750	75	800	80	830	83	860	86	900	90
VEIL-EX-4-40-50-110-U-D-SM	4	40	3000	75	3200	80	3320	83	3440	86	3600	90

Optic Lens

SKU	Length (ft)	Wattage (W)	2700K		3000K		3500K		4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
VEIL-EX-1-10-50-XX-U-D-SM	1	10	670	67	730	73	750	75	780	78	820	82
VEIL-EX-4-40-50-XX-U-D-SM	4	40	2680	67	2920	73	3000	78	3120	78	3280	82

ACCESSORIES

1',3',12'
Extension Cable
(SJOW/18AWG)
[VEIL-EX-EXT1]
[VEIL-EX-EXT3]
[VEIL-EX-EXT12]

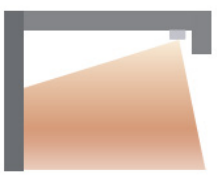
Splicing Positioning Track
(Aluminum 4' or 8')
[VEIL-EX-SPT4]
[VEIL-EX-SPT8]

IP65 Power Harness Box
[VEIL-EX-PHB]

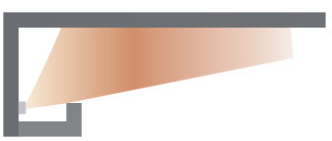
APPLICATION

Cove: Architectural ledge or recess on the upper part of a wall.
Beam Angle: 110°, Asymmetric

Graze: Light that is close to and parallel to a surface and creates strong contrast.
Beam Angle: 7°x7°, 10°x10°, 15°x15°,12°x24°, 15°x40°, 15°x55°



Wash: Light striking a surface from a distance that reduces or eliminates contrast.
Beam Angle: 24°x24°, 36°x36°, 60°x60°



Asymmetric: Light that uniformly illuminates a ceiling or wall without dark shadows in the cove.
Beam Angle: Asymmetric

APPLICATION

Cove

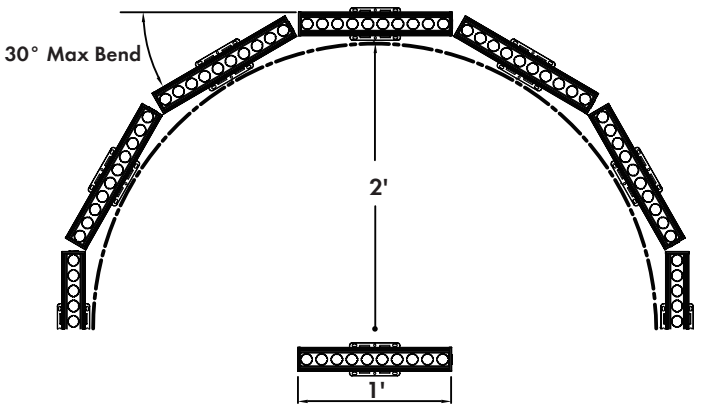
Asymmetric Cove

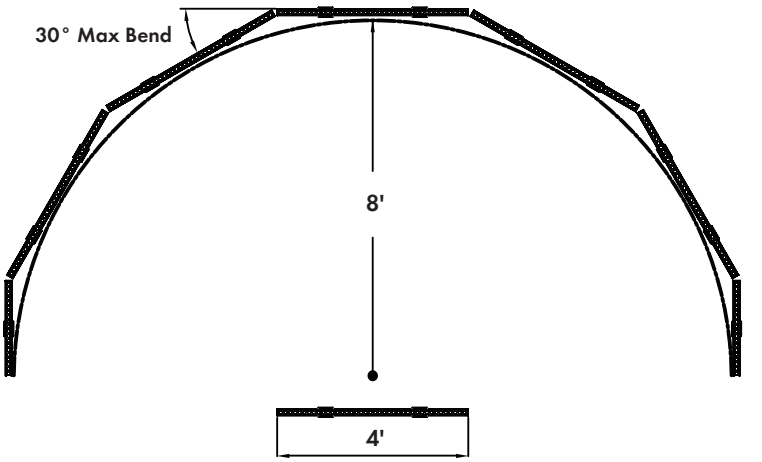
110°

Wall Graze

Wall Washer

RADIUS BEND





RUN LENGTH LIMITS

Run Length Limits (ft)	1FT	4FT
Fixture Input Wattage	10W	40W
Maximum Run Length (ft) @120V	72'	72'
Maximum Run Length (ft) @277V	165'	165'

Notes:

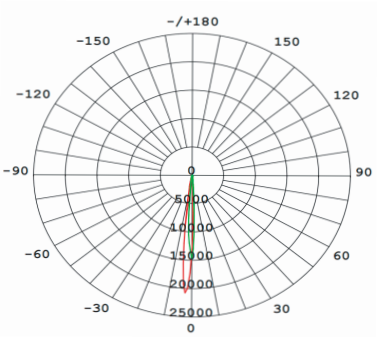
1. When 1ft and 4ft are used on a line, all lamps must use the same power level, such as high-end, mid-range, and low-end, otherwise the brightness will be inconsistent.

2. Run must be limited to 72ft when using both 1ft and 4ft fixture is a single run at 120V.
   Run must be limited to 165ft when using both 1ft and 4ft fixture in a single run at 277V.

3. Run length is limited based on common 30mA dimmer limit, Run length could be extended to 200ft for dimmers with 50mA current rating.

DISTRIBUTION

VEIL-EX-1-10-40-0707-U-D-SM



AVERAGE BEAM ANGLE (50%): 7.1 DEG

NOMINAL FLUX (lm): 962.687, NOMINAL POWER (W): 10W, Imax (cd): 25634, Efficacy: 106.97Lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	94.79	77.26	93.02	206.1	324.1
20	26.63	24.10	27.54	40.05	53.19
30	12.13	10.74	12.09	15.77	18.92
40	6.726	6.309	6.806	8.176	9.744
50	4.124	4.038	4.317	5.069	5.819
60	2.317	2.426	2.851	3.230	3.508
70	1.198	1.051	1.485	1.761	1.873
80	0.3990	0.3045	0.3423	0.6336	0.7580
90	0.1718	0.0998	0	0.1238	0.2598
DEG	LUMINOUS INTENSITY:cd/klm				

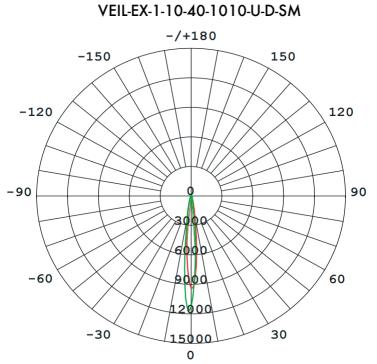
Zonal Lumens

γ	Φzone	Φtotal
00-10	497.1	497.1
10-20	189.3	686.5
20-30	98.05	784.5
30-40	62.56	847.1
40-50	45.46	892.5
50-60	32.81	925.3
60-70	21.03	946.4
70-80	9.695	956.1
80-90	2.581	958.7
		UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	406	120
80	365	313
75	489	519
70	556	689
65	627	805
60	736	905
55	864	975
50	1018	1066
45	1190	1203

VEIL-EX-1-10-40-1010-U-D-SM



AVERAGE BEAM ANGLE (50%): 10.9 DEG

NOMINAL FLUX (lm): 982.82, NOMINAL POWER (W): 10W, Imax (cd): 11653, Efficacy: 109.20Lm/W

Zonal Flux DiagramL

γ	C0	C45	C90	C135	C180
10	220.9	164.6	141.6	192.5	184.2
20	51.00	38.93	35.09	44.18	48.73
30	16.83	13.02	12.84	15.04	16.68
40	8.033	6.601	6.534	7.211	8.161
50	4.595	4.039	3.997	4.236	4.537
60	2.604	2.465	2.547	2.651	2.654
70	1.409	1.234	1.375	1.372	1.319
80	0.6434	0.4281	0.3409	0.4685	0.5347
90	0.1881	0.1012	0	0.0706	0.1871
DEG	LUMINOUS INTENSITY:cd/klm				

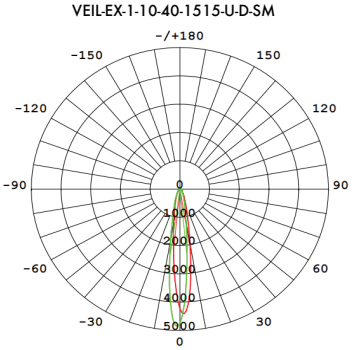
Zonal Lumens

γ	Φzone	ΦtotalC
00-10	425.9	425.9
10-20	254.4	680.3
20-30	125.1	805.4
30-40	68.16	873.6
40-50	44.18	917.7
50-60	30.39	948.1
60-70	19.31	967.4
70-80	9.248	976.7
80-90	2.412	979.1
		UNIT:lm/klm

UMINANCE cd/(m2)

G(DEG)	0/180	C90/270
85	607	116
80	588	312
75	637	504
70	654	638
65	721	734
60	827	809
55	960	883
50	1135	987
45	1355	1132

VEIL-EX-1-10-40-1515-U-D-SM



AVERAGE BEAM ANGLE (50%): 14.5 DEG

NOMINAL FLUX (lm): 916.701, NOMINAL POWER (W): 10W, Imax(cd): 4948, Efficacy: 102.08Lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1970	1439	1214	1331	1226
20	570.0	459.5	409.1	438.3	439.1
30	251.3	208.1	189.0	200.4	202.7
40	130.8	114.6	109.4	110.7	113.3
50	81.38	74.63	71.02	72.19	71.71
60	49.78	48.38	46.51	47.26	44.34
70	27.34	24.82	24.47	23.52	20.98
80	13.46	8.735	5.818	7.288	8.134
90	3.662	1.794	0	1.055	3.002
DEG	LUMINOUS INTENSITY:cd/klm				

Zonal Lumens

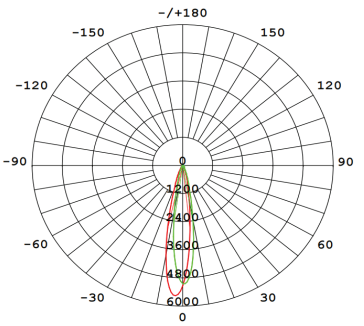
γ	Φzone	Φtotal
00-10	250.8	250.8
10-20	230.8	481.7
20-30	147.5	629.2
30-40	99.05	728.2
40-50	72.30	800.5
50-60	54.27	854.8
60-70	35.55	890.3
70-80	16.66	907.0
80-90	4.295	911.3
		UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)C	0/180	C90/270
85	1211	181
80	1230	532
75	1222	876
70	1269	1136
65	1408	1328
60	1580	1477
55	1788	1606
50	2010	1754
45	2277	1985

DISTRIBUTION

VEIL-EX-1-10-40-1818-U-D-SM



AVERAGE BEAM ANGLE (50%): 18.3 DEG

NOMINAL FLUX (lm): 1005.4, NOMINAL POWER (W): 10W, Imax (cd): 5565, Efficacy: 111.84Lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1490	1747	2371	3836	3871
20	359.8	399.0	536.0	875.7	918.4
30	119.9	122.6	161.9	258.4	273.5
40	64.73	64.20	74.91	94.78	103.1
50	38.72	38.55	42.92	52.22	56.45
60	21.95	22.71	26.64	30.93	32.75
70	12.45	10.94	15.06	17.51	17.74
80	4.220	3.463	4.105	6.813	7.742
90	1.679	1.107	0	1.429	2.712
DEG	LUMINOUS INTENSITY:cd/klm				

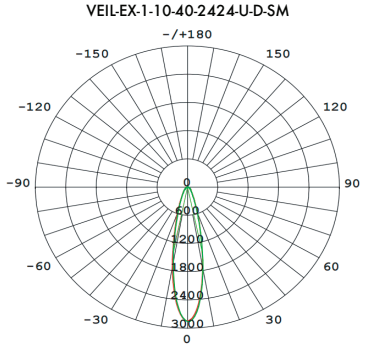
Zonal Lumens

γ	Φ zone	Φ total
00-10	340.7	340.7
10-20	337.0	677.7
20-30	145.5	823.2
30-40	70.15	893.3
40-50	45.11	938.5
50-60	30.79	969.2
60-70	19.84	989.1
70-80	9.754	998.8
80-90	2.657	1001
	UNIT:lm/klm	

LUMINANCE cd/(m2)

G(DEG)C	0/180	C90/270
85	423	133
80	386	375
75	508	572
70	578	699
65	611	786
60	697	846
55	811	927
50	956	1060
45	1124	1256

VEIL-EX-1-10-40-2424-U-D-SM



AVERAGE BEAM ANGLE (50%): 23.6 DEG

NOMINAL FLUX (lm): 929.4, NOMINAL POWER (W): 10W, Imax (cd): 2862, Efficacy: 103.27Lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1727	1711	1759	1955	1724
20	572.9	543.8	551.8	655.1	578.1
30	229.4	215.1	214.4	244.2	231.3
40	121.2	113.4	114.9	122.2	123.4
50	76.23	71.06	69.97	74.65	76.19
60	45.42	44.23	45.81	47.84	47.28
70	24.41	22.44	23.30	25.55	23.17
80	11.07	7.608	5.549	8.638	9.067
90	3.036	1.770	0.0170	1.386	3.221
DEG	LUMINOUS INTENSITY:cd/klm				

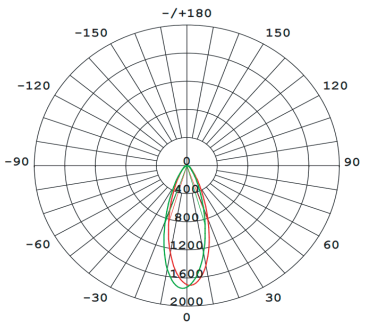
Zonal Lumens

γ	Φ zone	Φ total
00-10	212.2	212.2
10-20	278.6	490.8
20-30	158.9	649.7
30-40	98.90	748.6
40-50	70.59	819.2
50-60	51.89	871.1
60-70	33.47	904.6
70-80	15.36	919.9
80-90	3.893	923.8
	UNIT:lm/klm	

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	993	142
80	1012	507
75	1099	840
70	1133	1081
65	1263	1290
60	1442	1454
55	1653	1564
50	1882	1728
45	2133	1980

VEIL-EX-1-10-40-3636-U-D-SM



AVERAGE BEAM ANGLE (50%): 35.5 DEG

NOMINAL FLUX (lm): 955.138, NOMINAL POWER (W): 10W, Imax (cd): 1747, Efficacy: 106.36Lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1441	1326	1263	1303	1263
20	803.4	697.0	633.5	678.2	654.7
30	344.9	297.2	264.4	290.0	280.3
40	147.9	128.2	117.1	126.5	124.8
50	76.08	69.52	65.23	69.05	67.51
60	41.50	40.28	39.24	40.50	38.01
70	22.12	18.71	19.04	18.89	17.89
80	10.38	6.328	4.160	5.738	7.009
90	2.769	1.417	0	0.8299	2.372
DEG	LUMINOUS INTENSITY:cd/klm				

Zonal Lumens

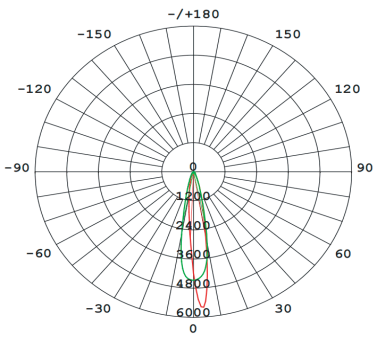
γ	Φ zone	Φ total
00-10	146.4	146.4
10-20	286.1	432.5
20-30	222.9	655.4
30-40	128.0	783.4
40-50	73.93	857.3
50-60	48.19	905.5
60-70	28.96	934.5
70-80	12.93	947.4
80-90	3.256	950.7
	UNIT:lm/klm	

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	906	122
80	949	380
75	977	652
70	1026	883
65	1125	1071
60	1317	1246
55	1570	1415
50	1879	1611
45	2320	1904

DISTRIBUTION

VEIL-EX-1-10-40-1224-U-D-SM



AVERAGE BEAM ANGLE (50%): 17.7 DEG

NOMINAL FLUX (lm): 986.845, NOMINAL POWER (W): 10W, Imax (cd): 5595 Efficacy: 109.77Lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	2685	3871	2992	1549	990.0
20	671.8	785.7	664.0	438.4	314.5
30	215.3	237.3	213.6	163.2	128.0
40	95.82	100.4	96.12	78.82	67.16
50	54.40	53.44	49.42	43.92	39.70
60	31.96	31.25	30.24	26.60	23.25
70	17.57	17.58	17.75	13.78	10.66
80	9.137	6.736	4.462	4.271	3.990
90	2.520	1.329	0	0.6122	1.852
DEG	LUMINOUS INTENSITY:cd/klm				

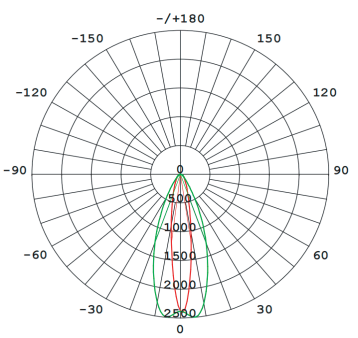
Zonal Lumens

γ	Φzone	Φtotal
00-10	320.9	320.9
10-20	317.4	638.4
20-30	147.3	785.6
30-40	80.07	865.7
40-50	49.84	915.6
50-60	33.14	948.7
60-70	21.52	970.2
70-80	10.23	980.4
80-90	2.663	983.1
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	876	153
80	835	408
75	802	639
70	816	824
65	903	931
60	1015	960
55	1161	1045
50	1343	1220
45	1596	1514

VEIL-EX-1-10-40-1540-U-D-SM



AVERAGE BEAM ANGLE (50%): 28.2 DEG

NOMINAL FLUX (lm): 949.131, NOMINAL POWER (W): 10W, Imax (cd): 2494, Efficacy: 105.81Lm/W

ZonalF luxD iagramL

γ	C0	C45	C90	C135	C180
10	1038	1518	2276	1416	896.2
20	372.1	537.3	1271	531.2	355.9
30	182.5	223.7	474.6	227.3	178.8
40	112.5	119.3	161.4	120.0	107.0
50	75.56	75.89	76.37	74.43	69.63
60	49.04	49.50	47.49	46.10	41.12
70	25.69	25.61	25.93	22.86	21.61
80	9.744	7.893	6.563	8.561	8.220
90	3.180	0.9408	0	2.027	2.476
DEG	LUMINOUS INTENSITY:cd/klm				

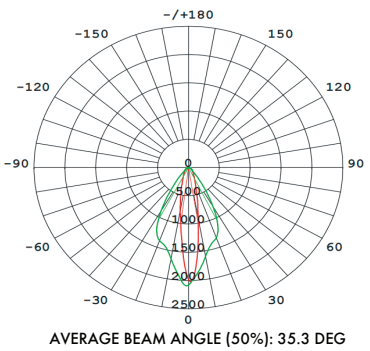
ZonalL umens

γ	Φzone	Φtotal
00-10	176.7	176.7
10-20	273.7	450.4
20-30	196.7	647.1
30-40	115.0	762.1
40-50	74.35	836.4
50-60	53.16	889.6
60-70	34.68	924.3
70-80	16.04	940.3
80-90	3.892	944.2
UNIT:lm/klm		

UMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	1012	190
80	891	600
75	983	930
70	1192	1204
65	1400	1382
60	1557	1508
55	1708	1643
50	1866	1886
45	2060	2406

VEIL-EX-1-10-40-1555-U-D-SM



AVERAGE BEAM ANGLE (50%): 35.3 DEG

NOMINAL FLUX (lm): 955.481, NOMINAL POWER (W): 10W, Imax (cd): 2095, Efficacy: 106.40Lm/W

Zonal Flux DiagramL

γ	C0	C45	C90	C135	C180
10	921.8	1174	1600	1087	780.6
20	346.6	458.2	1320	444.3	318.2
30	181.1	217.4	794.9	215.0	168.1
40	117.0	122.7	245.2	122.5	108.2
50	81.85	78.29	76.07	75.98	72.20
60	53.69	53.37	52.95	48.66	42.46
70	28.32	27.64	28.67	24.05	22.49
80	10.68	8.261	8.002	8.524	8.269
90	3.483	0.9966	0	2.230	2.597
DEG	LUMINOUS INTENSITY:cd/klm				

Zonal Lumens

γ	Φzone	Φtotal
00-10	140.4	140.4
10-20	231.6	372.0
20-30	226.3	598.3
30-40	152.0	750.2
40-50	83.28	833.5
50-60	56.42	889.9
60-70	38.27	928.2
70-80	17.80	946.0
80-90	4.318	950.3
UNIT:lm/klm		

UMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	1128	172
80	976	731
75	1086	1057
70	1314	1331
65	1535	1524
60	1705	1681
55	1865	1759
50	2021	1878
45	2201	2696