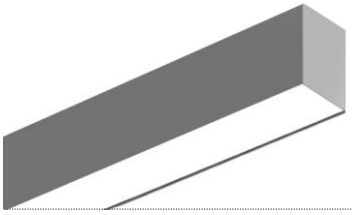
STREAK ARCHITECTURAL 2.3″ LED LINEAR

SPEC LIGHTING

DATE:	PROJECT:	TYPE:



1. Base Model

- ○ **STR** STREAK

2. LENGTH

- ○ **2** • 2 feet
- ○ **4** • 4 feet
- ○ **8** • 8 feet

3. Width

- ○ **2** • 2.3 inch

4. Driver

- ○ **I** • Internal

5. CCT

- ○ **30** • 3000K
- ○ **35** • 3500K
- ○ **40** • 4000K
- ○ **50** • 5000K

6. Light Distribution

- ○ **A** • Following options available by dip switch
  - 90% down / 10% up
  - 10% down / 90% up
  - 70% down / 30% up
  - 30% down / 70% up
  - 50% down / 50% up
  - 100% Uplight

7. Optics Options

- ○ **D** • Diffuser
- ○ **L** • Louver
- ○ **R** • Micro Reflector
- ○ **T** • Deep Regressed

Ordering Code:

EX: STR - 4 - 2 - I - 35 - A - D

1	2	3	4	5	6	7
STR	–	–	–	–	–	–

Installation Ordering Guide

MOUNTING OPTIONS

- ○ Pendant
- ○ Surface (requires plate)
- ○ Wall Mount
- ○ Recessed

Installation Accessory for Pendant

- ○ For Dry Wall Ceiling
- ○ For Dry Wall Ceiling

Canopy (If Pendant)

- ○ Round (2″ x 4″)
- ○ Square (2″ x 4″)

Joiner

- ○ ″−″ pattern 
- ○ ″T″ pattern 
- ○ ″L″ pattern 
- ○ ″Y″ pattern 
- ○ ″+″ pattern 

Optional Accessory

- ○ Rolling Diffuser (42″)

Optional Functions

- ○ Emergency Battery
- ○ Motion Sensor
- ○ Wattage Adjustable

SPECIFICATIONS SUBJECT TO CHANGE, CONSULT FACTORY WHEN CRITICAL.

spec-lighting.com
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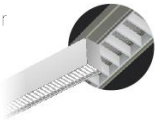
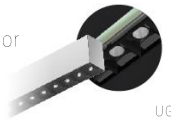
SPEC LIGHTING

Product Specification

DATE:	PROJECT:	TYPE:

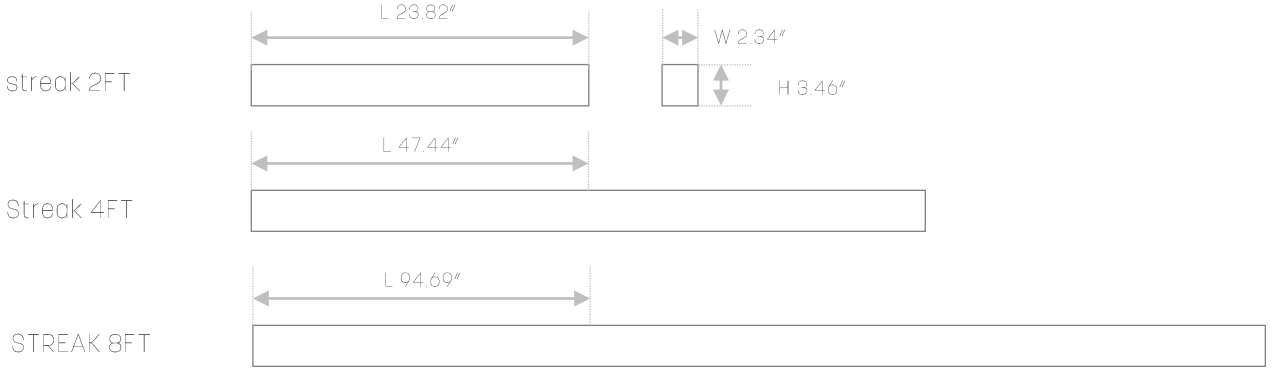




Model	STR-X2-IXXXD	STR-X2-IXXXL	STR-X2-IXXXR	STR-X2-IXXXT
Aperture	2.3″	2.3″	2.3″	2.3″
Lengths	2FT • 4FT • 8FT	2FT • 4FT • 8FT	2FT • 4FT • 8FT	2FT • 4FT • 8FT
Wattage	20W • 40W • 80w	20W • 40W • 80w	20W • 40W • 80w	20W • 40W • 80w
Efficacy (Base on up & down light distribution with 3500K)	105 lm / w • 1050 lm / ft	105 lm / w • 1050 lm / ft	105 lm / w • 1050 lm / ft	105 lm / w • 1050 lm / ft
Beam Angle	Up 150° • Down 110°	Up 150° • Down 80°	Up 150° • Down 60°	Up 150° • Down 75°
100-277V Input	✓	✓	✓	✓
Wattage Selectable (100% • 75% • 50%)	✓	✓	✓	✓
1 -1 10V Dimming	✓	✓	✓	✓
Custom Pattern	✓	✓	✓	✓
Pendant	✓	✓	✓	✓
Surface	✓	✓	✓	✓
Wall Mount	✓ (2ft / 4 ft)	✓ (2ft / 4 ft)	✓ (2ft / 4 ft)	✓ (2ft / 4 ft)
Recessed	✓	✓	✓	✓
Emergency Options	✓	✓	✓	✓
Sensor Option	✓	✓	✓	✓
UL / CUL	✓	✓	✓	✓

*All efficacy is +/- 5% based on different CCT. Consult factory for IES files.

Product Dimensions



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SPEC LIGHTING

Product Performance

DATE:	PROJECT:	TYPE:

• Optics

STREAK offers a selection of professional lenses such as diffuser, louver, micro reflector and deep regressed to meet your different requires.

• Finish

- Extruded aluminum housing.
- Powder coat white finish or custom.

• Electrical

LED DRIVER	Powered by Class 2 high efficiency LED driver, with a standard 1-10V driver which continuous dims to 10% that works with many types of controls. Tested Dimmers: Lutron ® Diva-Dvtv, Leviton ® IP-710-DL.
THD	< 20%
Power Factor	> 0.9
LED DRIVER	Standard electronic drivers are cULus recognized and available for 100-277V or 100-347VAC

• Mounting

- Pendant, surface and wall mount
- Individual or continuous run,up to 40ft in 120V AC , 100ft in 277V AC
- Custom Pattern

• LED System

CRI	Minimum 80 color rendering index
CCT	The choice of 3000K, 3500K, 4000K and 5000K, color temperature with a great color consistency.
LED	Life Minimum 50,000h with 87.8% of lumen maintenance in 25℃ ambient temperature, in compliance with IES LM-80 testing measurements.

• Approvals

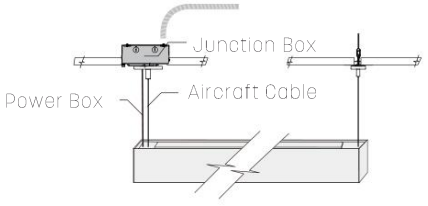
- cULus listed for damp locations
- 5 years limited warranty.

• Optional Function

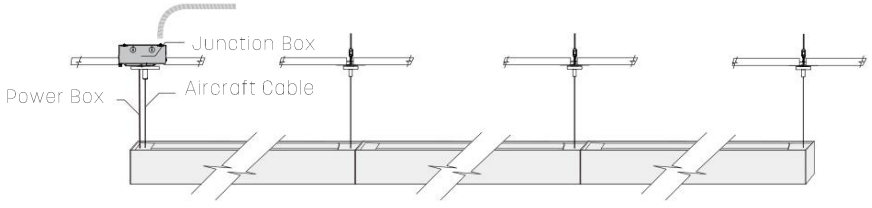
Sensor Option	In addition, STREAK can include a factory-installed integrated sensor system for occupancy and daylight dimming control.
Emergency Option	Optional low voltage 100-277V emergency LED driver for lighting up to 120 minutes in event of power failure, that meets critical life-safety lighting requirements.
Watttage Adjustable Option	Available to adjust wattage to 100% , 75% and 50 % by dip switch.

Product Mounting

Individual



Continuons Run



120VAC: Connections up to 40FT
227VAC: Connections up to 100FT

SPECIFICATIONS SUBJECT TO CHANGE, CONSULT FACTORY WHEN CRITICAL.

SPEC LIGHTING

STR / Diffuser / 50% Up, 50% Down / 4000K

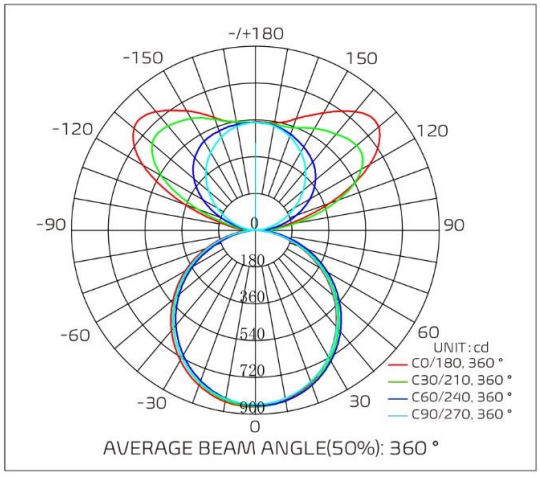
DATE:	PROJECT:	TYPE:

Photometric

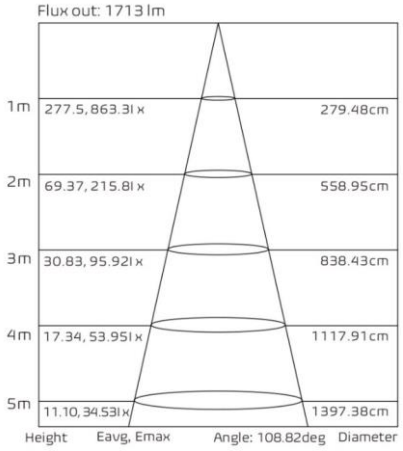
Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.Result may vary per actual order.

Distribution Diagram

STR-42-140AD



Average Illuminance Curve



Note: The curves indicate the illumated area and the average illumination when the luminaire is at different distance.

Zona Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
5	857.7	858.1	847.3	841.0	861.4	853.7	848.1	856.1
10	844.1	849.1	835.1	821.8	851.1	839.3	837.7	851.1
15	822.1	831.6	815.6	795.4	833.5	817.4	819.0	839.8
20	792.8	807.2	788.8	762.5	807.4	788.9	792.8	820.2
25	757.1	775.5	755.5	723.0	774.6	753.2	760.5	793.2
30	716.2	737.2	715.9	677.7	735.6	711.7	721.7	759.2
35	667.9	693.4	670.2	627.5	690.3	664.2	676.4	719.2
40	616.1	644.0	619.9	572.8	639.9	611.7	626.2	673.2
45	559.4	589.1	564.3	513.7	585.0	554.8	571.2	621.7
50	499.2	530.9	505.0	451.3	525.8	493.6	511.7	565.9
55	434.1	468.3	441.5	385.1	462.7	428.4	448.0	505.6
60	365.3	402.1	374.7	315.6	395.8	360.6	381.1	441.0
65	295.4	332.9	305.0	244.5	326.8	289.8	310.4	373.2
70	224.4	260.6	232.0	174.7	254.3	217.5	238.4	302.7
75	154.3	189.1	161.3	108.6	184.1	147.3	166.8	230.2
80	90.07	120.5	95.53	51.77	117.0	83.82	99.31	159.1
85	36.95	60.98	41.01	10.68	58.12	32.86	43.08	93.01
90	39.69	49.44	5.334	21.91	41.89	11.80	5.515	61.74
DEG	LUMINOUS INTENSITY:cd							

Zona Lumen Summary

T	Φ zone	Φ total	%lum,lamp
0-5	20.42	20.42	0.43,0.43
5-10	60.56	80.98	1.71,1.71
10-15	98.57	179.6	3.79,3.79
15-20	133.1	312.7	6.6,6.6
20-25	163.1	475.8	10,10
25-30	187.6	663.4	14,14
30-35	205.7	869.1	18.3,18.3
35-40	217.0	1086	22.9,22.9
40-45	221.2	1307	27.6,27.6
45-50	218.2	1525	32.2,32.2
50-55	207.9	1733	36.6,36.6
55-60	190.9	1924	40.6,40.6
60-65	167.5	2092	44.1,44.1
65-70	138.6	2230	47.1,47.1
70-75	105.8	2336	49.3,49.3
75-80	71.76	2408	50.8,50.8
80-85	39.81	2448	51.7,51.7
85-90	18.41	2466	52,52
UNIT: lm			

Coefficients of Utilization

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						(CU)									
0.0	108	108	108	0	0	0	84	84	84	71	71	71	58	58	58	52
1.0	94	90	86	87	83	80	74	71	69	62	60	58	51	50	48	43
2.0	81	75	70	75	70	65	64	60	57	54	51	48	44	42	40	36
3.0	71	64	58	66	60	54	57	51	47	48	44	41	39	37	34	30
4.0	63	55	49	59	51	46	50	45	40	42	38	32	35	32	29	26
5.0	56	48	42	52	45	39	45	39	35	38	33	30	31	28	25	22
6.0	50	42	36	47	39	34	40	34	30	34	30	26	28	25	22	19
7.0	45	37	32	42	35	30	36	31	26	31	26	23	26	22	20	17
8.0	41	33	28	38	31	26	33	27	23	28	24	20	24	20	18	15
9.0	37	30	25	35	28	23	30	25	21	26	22	18	22	18	16	14
10.0	34	27	22	32	26	21	28	23	19	24	20	17	20	17	14	12

SPEC LIGHTING

STR / Louver / 50% Up, 50% Down / 4000K

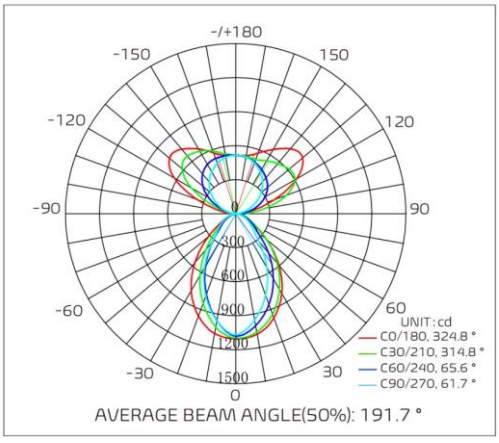
DATE:	PROJECT:	TYPE:

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.Result may vary per actual order.

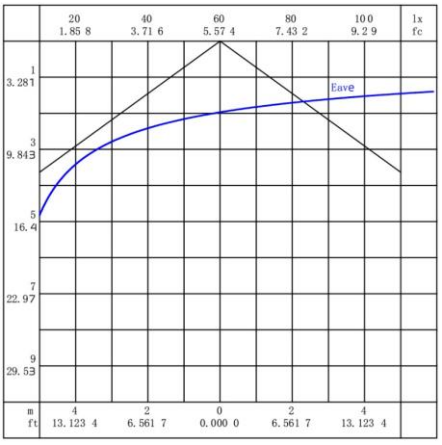
Distribution Diagram

STR-42-140AL



Average Illuminance Curve

Flux out: 1387 lm



Note: The curves indicate the illumated area and the average illumination when the luminaire is at different distance.

Zona Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
5	1100	1077	1028	1015	1096	1052	1032	1070
10	1080	1035	954.1	927.2	1072	978.4	959.9	1037
15	1041	977.1	866.4	828.8	1028	886.0	873.4	988.4
20	979.0	906.2	768.3	723.1	961.9	784.6	775.3	925.3
25	903.0	823.8	661.9	612.2	881.6	677.0	669.6	850.3
30	812.0	730.3	548.8	499.4	787.4	565.6	556.7	766.3
35	706.6	628.1	432.8	390.0	679.1	454.1	439.2	671.1
40	591.3	522.4	316.4	290.5	560.6	347.5	322.1	568.9
45	471.1	417.4	235.2	206.1	439.0	252.3	239.7	464.5
50	351.7	316.7	194.1	152.0	319.5	181.0	197.9	362.1
55	244.0	231.3	158.3	115.4	215.3	136.6	161.3	269.1
60	160.0	176.7	126.5	85.60	138.9	103.4	128.1	202.9
65	117.8	138.1	98.45	60.39	105.0	75.20	99.56	158.5
70	83.27	105.6	73.47	38.44	73.07	50.99	74.27	123.3
75	55.29	77.53	51.06	19.18	46.75	29.92	51.50	92.91
80	32.44	53.30	31.05	2.405	25.50	11.23	30.92	66.70
85	13.97	49.71	13.08	0.4994	7.709	0.5467	12.69	52.51
90	29.54	66.04	1.446	0.4677	28.35	0.4513	0.3205	61.58
DEG	LUMINOUS INTENSITY:cd							

Zona Lumen Summary

T	Φ zone	Φ total	%lum,lamp
0-5	25.57	25.57	0.66,0.66
5-10	73.68	99.25	2.57,2.57
10-15	114.8	214.1	5.54,5.54
15-20	146.9	361.0	9.34,9.34
20-25	168.2	529.2	13.7,13.7
25-30	178.1	707.3	18.3,18.3
30-35	176.2	883.4	22.9,22.9
35-40	163.2	1047	27.1,27.1
40-45	142.0	1189	30.8,30.8
45-50	119.2	1308	33.8,33.8
50-55	97.35	1405	36.4,36.4
55-60	77.48	1483	38.4,38.4
60-65	60.69	1543	39.9,39.9
65-70	46.66	1590	41.1,41.1
70-75	34.13	1624	42,42
75-80	22.65	1647	42.6,42.6
80-85	13.47	1660	43,43
85-90	11.50	1672	43.2,43.2
UNIT: lm			

Coefficients of Utilization

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio								(CU)							
0.0	106	106	106	96	96	96	80	80	80	64	64	64	50	50	50	43
1.0	93	89	86	85	82	80	71	69	67	57	56	55	45	44	44	38
2.0	82	77	72	76	71	67	63	60	57	52	49	47	41	39	38	33
3.0	73	66	61	67	61	57	56	52	49	46	43	41	37	35	33	29
4.0	65	58	52	60	54	49	51	46	42	42	39	36	34	32	30	26
5.0	59	51	46	54	48	43	46	41	37	38	35	32	31	28	27	23
6.0	53	45	40	49	42	38	42	37	33	35	31	28	28	26	24	21
7.0	48	41	35	45	38	33	38	33	29	32	28	25	26	24	22	19
8.0	44	37	32	41	34	30	35	30	26	30	26	23	24	22	20	17
9.0	40	33	29	38	31	27	32	27	24	27	24	21	23	20	18	16
10.0	37	30	26	35	29	24	30	25	22	25	22	19	21	19	17	15

SPEC LIGHTING

STR/ Micro Reflector / 50% Up, 50% Down / 4000K

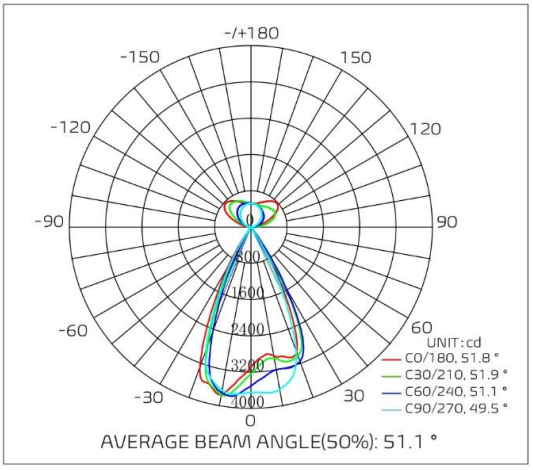
DATE:	PROJECT:	TYPE:

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.Result may vary per actual order.

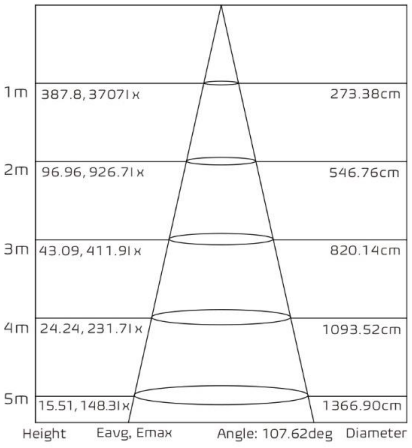
Distribution Diagram

STR-42-140AR



Average Illuminance Curve

Flux out: 2308 lm



Note: The curves indicate the illumated area and the average illumination when the luminaire is at different distance.

Zona Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
5	2868	3126	3668	3715	3397	3646	3694	3377
10	2880	3036	3634	3615	3745	3729	3658	3110
15	2965	3158	3455	2948	3584	3493	3440	3115
20	2939	3141	2911	1757	3294	2554	2915	3176
25	2099	2754	1812	787.4	2093	1375	1786	2965
30	819.2	1675	767.6	84.95	1038	448.4	790.7	2137
35	57.67	519.7	112.1	5.340	215.8	28.72	142.6	989.4
40	5.200	38.70	6.196	3.696	5.573	4.134	6.608	162.0
45	3.849	4.987	2.988	2.833	3.959	3.324	3.330	7.571
50	2.820	3.517	1.928	1.993	3.010	2.508	2.194	3.952
55	2.048	2.444	1.189	1.486	2.168	1.811	1.935	3.051
60	1.700	1.590	0.8656	1.277	1.783	1.401	1.046	2.108
65	1.470	1.073	0.7377	1.168	1.502	1.250	0.8797	1.407
70	1.244	0.8401	0.6042	0.9728	1.231	1.110	0.7307	1.002
75	0.9286	0.6696	0.5020	0.8287	0.9745	0.9478	0.5775	0.7991
80	0.6716	0.5905	0.3831	0.7114	0.7084	0.7920	0.4646	0.6348
85	0.5373	29.27	0.2523	0.4937	0.5233	0.6058	0.3519	6.265
90	30.98	71.66	0.2141	0.0995	29.17	0.4107	0.2483	42.64
DEG	LUMINOUS INTENSITY:cd							

Zona Lumen Summary

T	ϕ zone	ϕ total	%lum,lamp
0-5	82.46	82.46	1.82,1.82
5-10	246.1	328.5	7.25,7.25
10-15	397.6	726.1	16,16
15-20	502.5	1229	27.1,27.1
20-25	499.5	1728	38.1,38.1
25-30	367.5	2096	46.3,46.3
30-35	169.6	2265	50,50
35-40	37.08	2302	50.8,50.8
40-45	3.557	2306	50.9,50.9
45-50	1.314	2307	50.9,50.9
50-55	1.001	2308	51,51
55-60	0.7644	2309	51,51
60-65	0.6289	2310	51,51
65-70	0.5389	2310	51,51
70-75	0.4560	2311	51,51
75-80	0.3736	2311	51,51
80-85	1.636	2313	51.1,51.1
85-90	7.663	2320	51.2,51.2
UNIT: lm			

Coefficients of Utilization

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio								(CU)							
0.0	107	107	107	99	99	99	84	84	84	70	70	70	57	57	57	51
1.0	97	95	92	91	88	86	78	76	74	66	65	64	55	54	54	48
2.0	89	84	81	83	79	76	72	69	67	62	60	58	52	51	50	46
3.0	82	76	72	76	72	68	67	64	61	58	56	54	50	48	47	44
4.0	75	69	65	71	66	62	62	59	56	55	52	50	48	46	44	41
5.0	70	63	59	66	60	56	58	55	51	52	49	47	45	43	42	39
6.0	65	58	54	61	56	52	55	51	48	49	46	44	43	41	40	37
7.0	60	54	50	57	52	48	52	48	45	46	43	41	41	39	38	35
8.0	57	50	46	54	48	45	49	45	42	44	41	39	39	37	36	34
9.0	53	47	43	51	45	42	46	42	39	42	39	37	38	36	34	32
10.0	50	44	40	48	43	39	44	40	37	40	37	35	36	34	32	31

SPEC LIGHTING

STR / Deep Regressed / 50% Up, 50% Down / 4000K

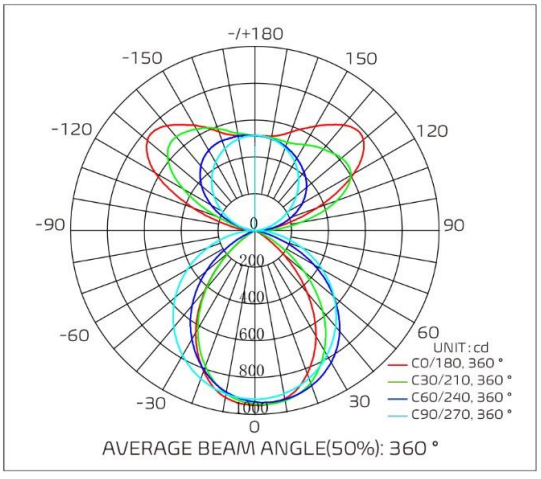
DATE:	PROJECT:	TYPE:

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.Result may vary per actual order.

Distribution Diagram

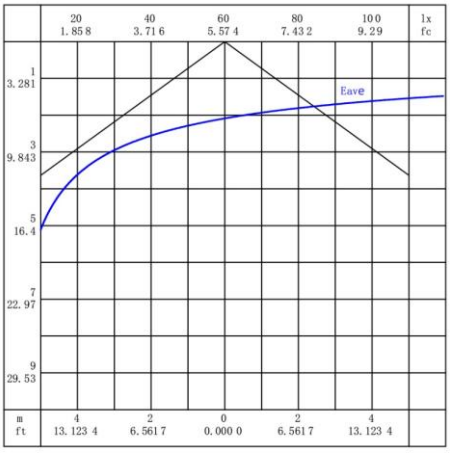
STR-42-140AT



AVERAGE BEAM ANGLE(50%): 360 °

Average Illuminance Curve

Flux out: 2308 lm



Note: The curves indicate the illumated area and the average illumination when the luminaire is at different distance.

Zona Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
5	946.0	943.5	913.4	885.0	943.1	921.7	913.6	930.4
10	928.1	938.5	901.8	838.4	921.2	892.9	902.6	934.5
15	891.1	924.5	882.1	780.3	879.6	846.9	884.0	928.9
20	829.8	899.4	855.9	712.6	814.6	787.8	858.3	912.8
25	753.7	861.8	822.4	634.8	735.7	718.9	825.0	886.4
30	663.4	806.8	781.9	546.8	643.6	640.4	785.1	847.5
35	558.1	738.1	734.7	449.6	536.2	551.0	738.5	791.6
40	442.7	657.8	682.4	347.7	418.9	452.1	686.0	719.6
45	322.4	567.3	623.8	243.4	299.6	347.0	628.1	636.5
50	204.9	466.2	560.3	143.4	181.6	239.4	564.4	542.5
55	101.4	356.7	492.9	60.86	84.70	137.4	496.1	437.5
60	27.77	244.0	420.8	10.84	16.86	53.26	424.1	324.4
65	4.112	135.5	345.9	1.668	4.051	5.214	348.2	209.4
70	2.630	47.83	268.2	1.816	2.600	2.385	270.6	103.8
75	1.706	3.690	190.8	1.167	1.677	1.595	192.1	24.90
80	1.065	1.703	117.4	0.7295	1.033	1.010	115.7	2.162
85	0.7453	18.53	49.22	0.4487	0.6440	0.5559	46.07	10.06
90	29.42	53.07	1.509	0.3989	28.29	0.3790	1.237	38.78
DEG	LUMINOUS INTENSITY:cd							

Zona Lumen Summary

T	ϕ zone	ϕ total	%lum,lamp
0-5	22.14	22.14	0.54,0.54
5-10	65.44	87.59	2.15,2.15
10-15	105.7	193.3	4.75,4.75
15-20	140.8	334.1	8.21,8.21
20-25	169.0	503.1	12.4,12.4
25-30	188.7	691.8	17,17
30-35	198.6	890.3	21.9,21.9
35-40	197.9	1088	26.7,26.7
40-45	186.8	1275	31.3,31.3
45-50	166.0	1441	35.4,35.4
50-55	138.1	1579	38.8,38.8
55-60	106.9	1686	41.4,41.4
60-65	77.15	1763	43.3,43.3
65-70	52.00	1815	44.6,44.6
70-75	31.14	1846	45.4,45.4
75-80	15.61	1862	45.7,45.7
80-85	6.393	1868	45.9,45.9
85-90	6.900	1875	46.1,46.1
UNIT: lm			

Coefficients of Utilization

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						(CU)									
0.0	106	106	106	97	97	97	81	81	81	66	66	66	53	53	53	46
1.0	94	90	87	86	83	81	72	70	68	60	58	57	48	47	46	40
2.0	83	77	72	76	72	67	64	61	58	53	51	48	43	41	40	35
3.0	73	67	61	68	62	57	57	53	49	48	45	42	39	37	35	31
4.0	65	58	52	61	54	49	51	47	43	43	39	37	35	33	31	27
5.0	59	51	45	54	48	43	46	41	37	39	35	32	32	29	27	24
6.0	53	45	40	49	42	37	42	37	33	35	31	28	29	26	24	21
7.0	48	40	35	44	38	33	38	33	29	32	28	25	27	24	22	19
8.0	43	36	31	41	34	29	35	30	26	30	26	23	25	22	20	17
9.0	40	33	28	37	31	26	32	27	24	27	23	21	23	20	18	16
10.0	37	30	25	34	28	24	30	25	22	25	21	19	21	18	16	14