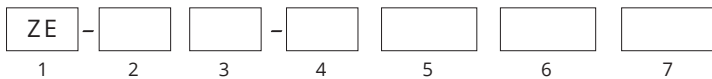


Product Ordering Guide

Sample

ZE-42-I-35 A D
1 23 4 5 6 7



1. Base Model

ZE ZETA

2. Length

2 2 feet 4 4 feet 8 8 feet

3. Width

2 23 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
100% Uplight
10% down, 90% up
30% down, 70% up
50% down, 50% up
70% down, 30% up
90% down, 10% up
100% Downlight

7. Optics Options

D Diffuser R Micro Reflector
 L Louver T Deep Regressed

Installation Ordering Guide

Mounting Options

- Pendant
- Surface
- Wall Mount
- Recessed

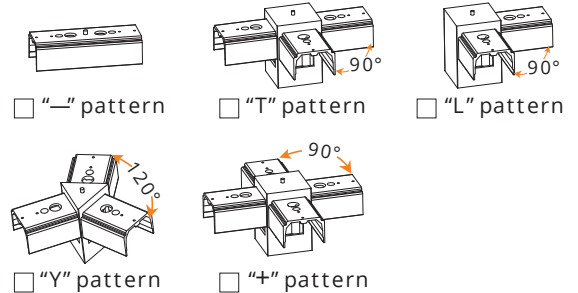
Installation Accessory For Pendant

- For Dry Ceiling
- For Drop Ceiling

Canopy (If Pendant)

- Round (2" & 4")
- Square (2" & 4")

Joiner



Optional Accessory

- Rolling Diffuser (42')

Optional Functions

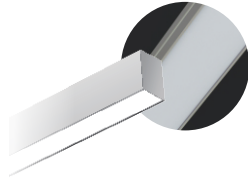
- Emergency
- Sensor
- Wattage Adjustable

Interactive Menu

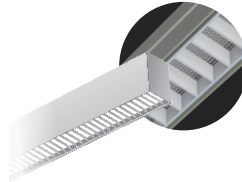
Order Information	Page 1
Product Specification & Dimensions	Page 2
Product Performance & Mounting	Page 3
Photometric Data - Diffuser/50% Up,50% Down/ 3500K	Page 4
Photometric Data - Louver/50% Up,50% Down/ 3500K	Page 5
Photometric Data - Micro Reflector /50% Up,50% Down/ 3500K	Page 6
Photometric Data - Deep Regresse /50% Up,50% Down/ 4000K	Page 7

Specification

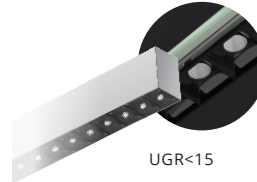
Diffuser



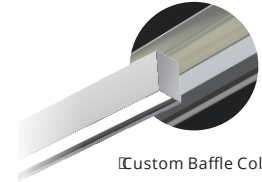
Louver



Micro Reflector



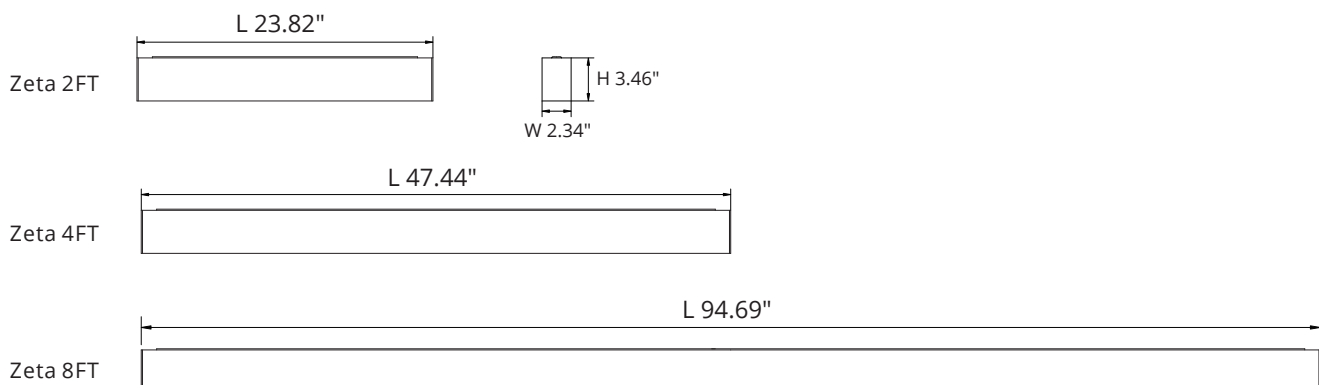
Deep Regressed



Model	ZE-X2-IXXXD	ZE-X2-IXXXL	ZE-X2-IXXXR	ZE-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)	105lm/w, 1050lm/ft	90 lm/w,900lm/ft	95lm/w, 950lm/ft	95 lm/w, 950lm/ft
Beam Angle	Up150°,Down 110°	Up150°,Down 80°	Up150°,Down 60°	Up150°,Down 75°
100-277V Input	✓	✓	✓	✓
100-347V Input Option	✓	✓	✓	✓
Wattage Selectable (100%, 75%, 50%)	✓	✓	✓	✓
1-10V Dimming	✓	✓	✓	✓
Custom Pattern	✓	✓	✓	✓
Pendant	✓	✓	✓	✓
Surface	✓	✓	✓	✓
Wall Mount	✓ (2FT/4FT)	✓ (2FT/4FT)	✓ (2FT/4FT)	✓ (2FT/4FT)
Recessed	✓	✓	✓	✓
Emergency Option	✓	✓	✓	✓
Sensor Option	✓	✓	✓	✓
UL/CUL	✓	✓	✓	✓

*All efficacy is ±5% base on different CCT. Check the IES file to gain the accurate data .

Dimensions



Product Performance

► Optics

It 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 It is 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

Input Voltage 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 120VAC, 100ft in 277VAC
- 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°C ambient temperature, in compliance with IES LM-80 testing measurements.

► Approvals

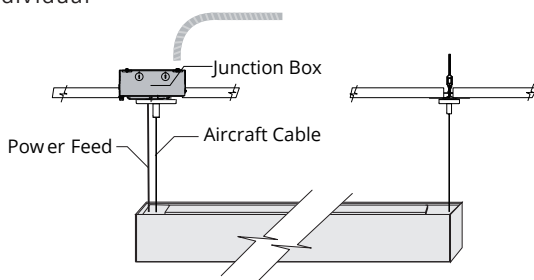
- cULus listed for damp locations
- 5 years limited warranty

► Optional Function

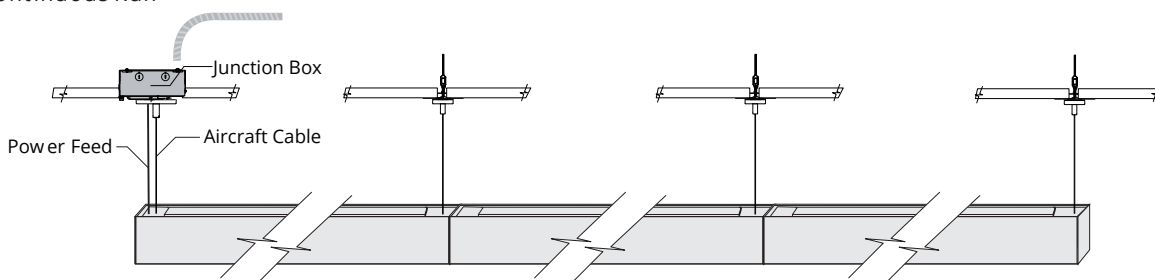
Sensor Option	In addition, it can include a factory-installed integrated sensor system for occupancy and daylight dimming control.
Emergency Option	Optional low voltage 100-277V emergency LED driver for lighting up to 120 minutes in event of power failure, that meets critical life-safety lighting requirements.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

Mounting

Individual



Continuous Run



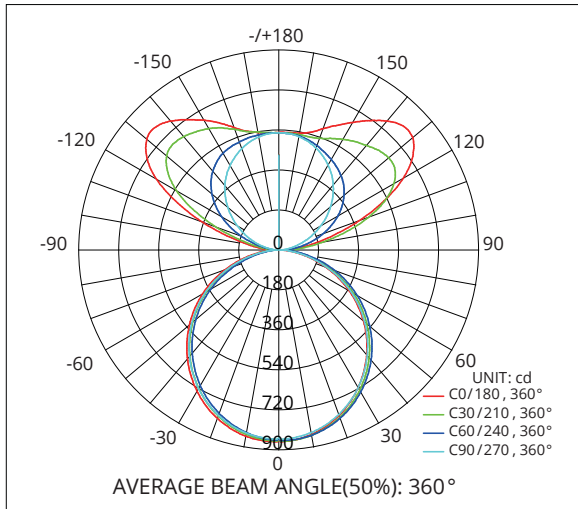
120VAC: connections up to 40ft.
277VAC: connections up to 100ft.

Photometric

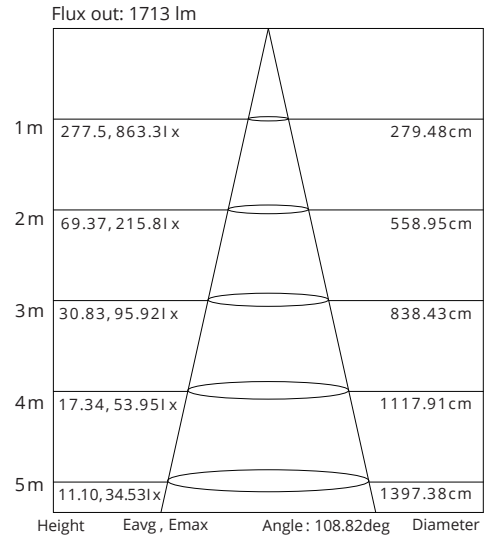
Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.Result may vary per actual order.

Distribution Diagram

ZE-42-I40AD



Average Illuminance Curve



Zonal Flux Diagram

Y	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

Zonal 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

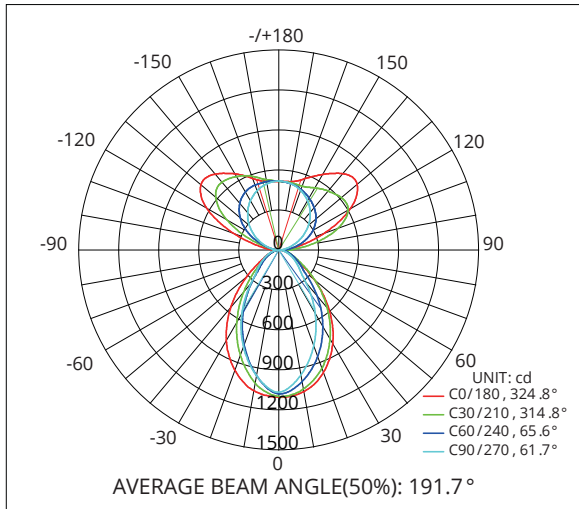
ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio (CU)															
0.0	108	108	108	0	0	0	84	84	84	71	71	71	58	58	58	52
1.0	94	90	86	87	83	80	74	71	69	62	60	58	51	50	48	43
2.0	81	75	70	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

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.

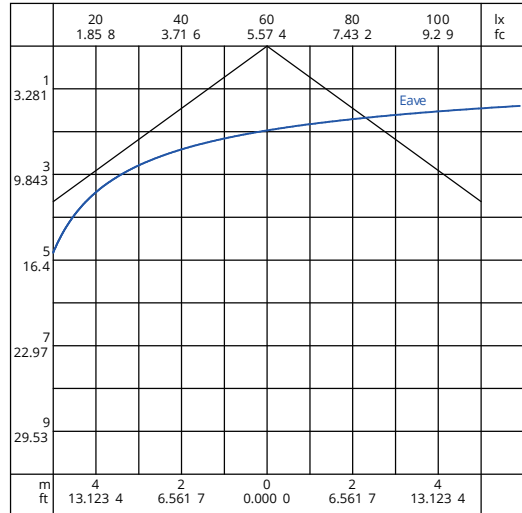
Distribution Diagram

ZE-42-I40AL



Average Illuminance Curve

Flux out: 1387 lm



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

Zonal Flux Diagram

Y	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							

Zonal 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

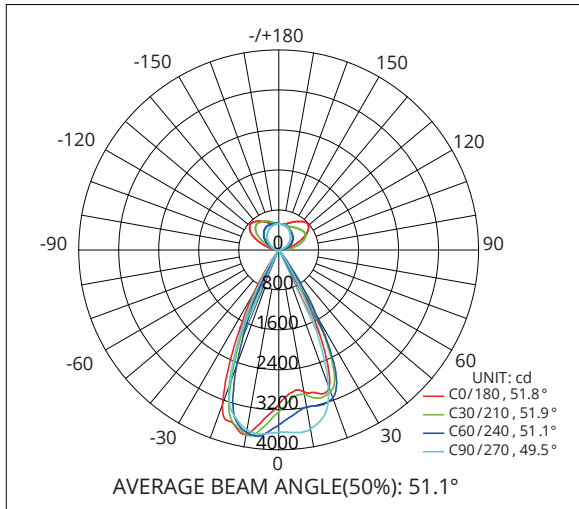
ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio (CU)															
0.0	106	106	106	96	96	96	80	80	80	64	64	64	50	50	50	43
1.0	93	89	86	85	82	80	71	69	67	57	56	55	45	44	44	38
2.0	82	77	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

Photometric

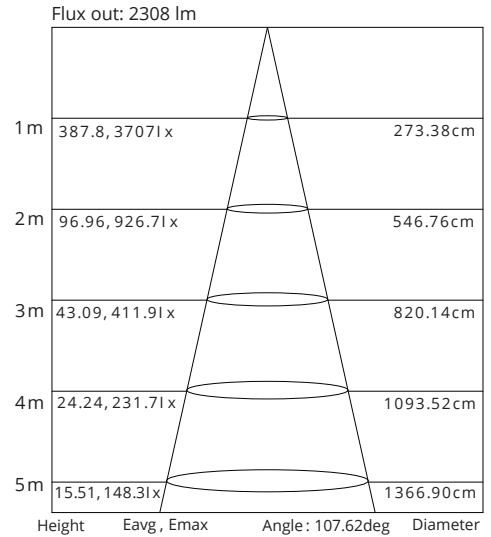
Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.Result may vary per actual order.

Distribution Diagram

ZE-42-I40AR



Average Illuminance Curve



Zonal Flux Diagram

Y	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							

Zonal 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

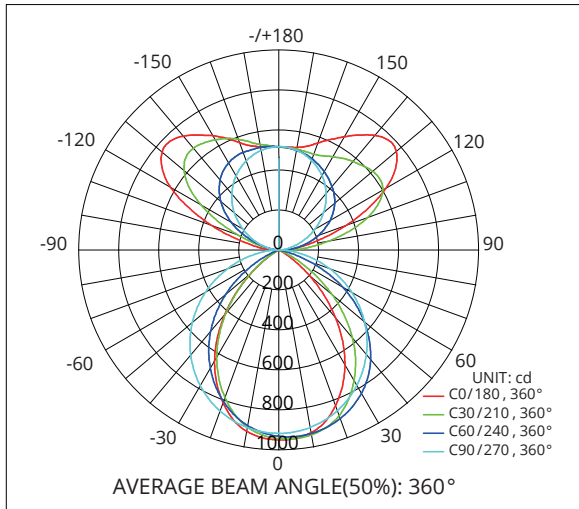
ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	.....	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavlty Ratio (CU)															
0.0	107	107	107	99	99	99	84	84	84	70	70	70	57	57	57	51
1.0	97	95	92	91	88	86	78	76	74	66	65	64	55	54	54	48
2.0	89	84	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

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.

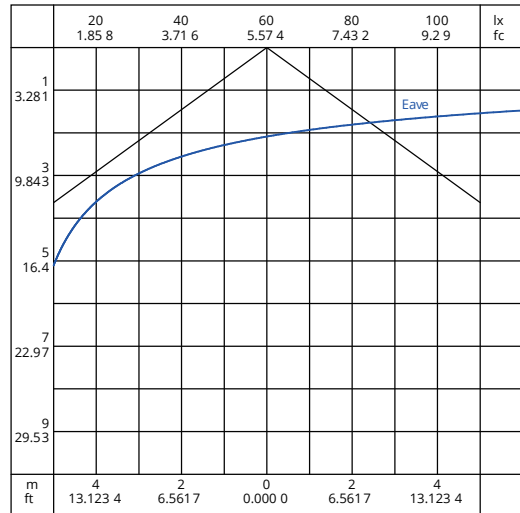
Distribution Diagram

ZE-42-I40AT



Average Illuminance Curve

Flux out: 1554 lm



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

Zonal Flux Diagram

Y	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

Zonal 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