

Edna Down Light

Description:

Our Edna Down lights are perfect for both New Construction and Remodel applications. They are fully dimmable with multiple finish /shape options. Perfect for Indoor locations; retail, offices, & supermarkets.



Features:

- Input Power: 110-277V or 120-347V AC.
- Power Consumption: 10W, 15W, 20W, 40W
- Size: 4In, 6IN, 8IN, 10IN
- Lumens: 75 LM/W
- CRI >90
- Available Color Options: 3000K, 3500K, 4000K or 5000K
 - CCT Adjustable; 3K, 35K, 4K
 - CCT Adjustable; 3K, 4K, 5K
- Finish: White or Black
- Available Shapes: Round, Square, Wall Washer
- 1-10V Dimming
- Operating Temperature: -4°F ~ 104°F
- L70 Lifetime: >50,000 hours
- Lighting controls option available.
- 7 Year Warranty



Ordering Key:

SERIES NUMBER	SHAPE	WATT	SIZE	CCT	FINISH	ADDITONAL OPTIONS
ILDLEDOK	RD - ROUND TRIM	10W - 10W	4IN - 4IN	30 - 3000K	WH - WHITE	DM - 1-10V DIMMING
	SQ - SQUARE TRIM	15W - 15W	6IN - 6IN	35 - 3500K	BK - BLACK	
	WR - WALL WASH ROUND	20W - 20W	8IN - 8IN	40 - 4000K		
	WS - WALL WASH SQUARE	40W - 40W	10IN - 10IN	50- 5000K		
				3C- 3K, 35K, 4K 5C- 3K, 4K, 5K		

SAMPLE ITEM NUMBER:ILDLEDOK RD 10W 4IN 30 WH DM

Electrical Data:

- **Input Power:** Stays consistent over life.
- **Input Voltage:** 110-277V or 120-347V AC
- **CRI:** >90
- **Operating Temperature:** -4°F ~ 104°F
- **L70 Lifetime:** >50,000 hours.

Controls:

- This LED fixture is equipped with 1-10V dimming that works universally with any standard 1-10V control or dimmer.

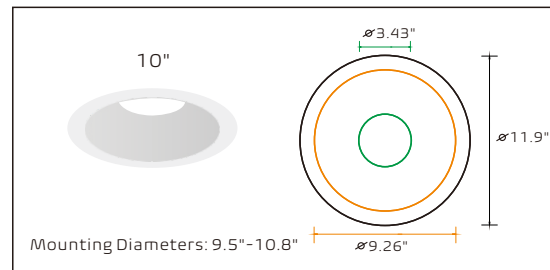
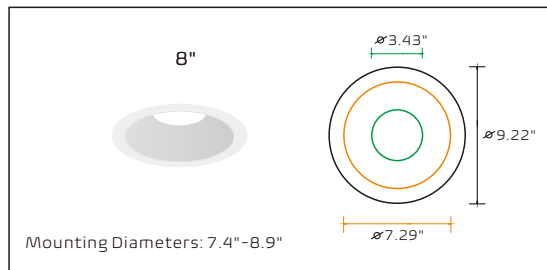
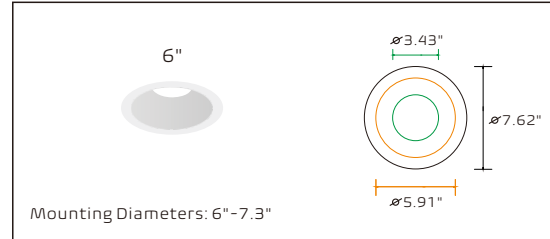
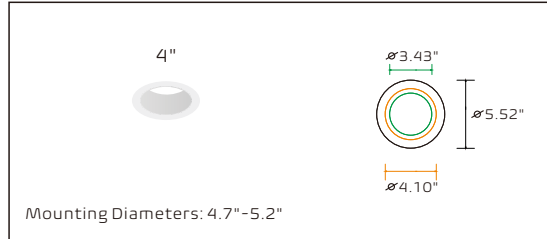
Optical System:

- A unique combination of reflective & refractive optical components achieves a uniform, comfortable look while eliminating pixelation & color fringing.
- Parts work in unison to optimize light distribution, balancing the high delivery of high illuminance levels on horizontal surfaces with an ideal amount of light on walls and vertical surfaces, increasing perception of spaciousness.

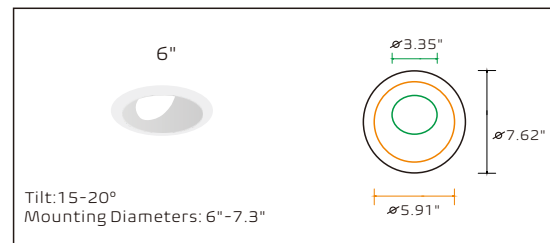


Trim Dimensions:

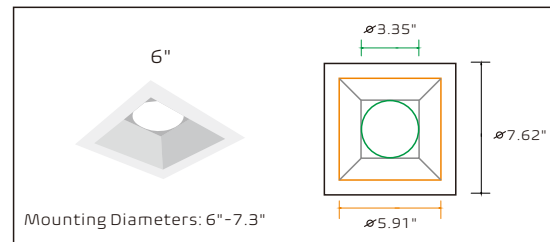
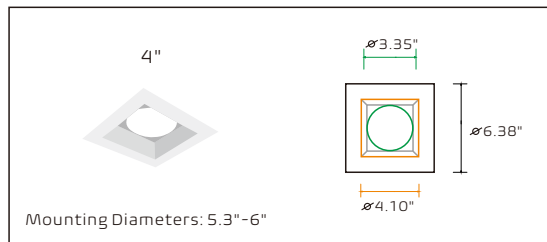
Round Trims



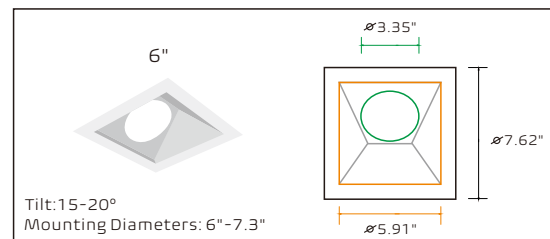
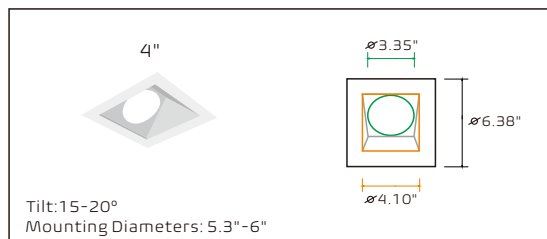
Round Wall Wash Trims



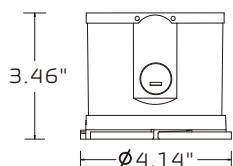
Square Trims



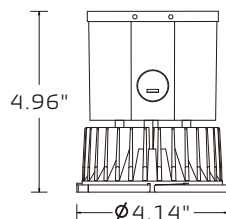
Square Wall Wash Trims



Engine

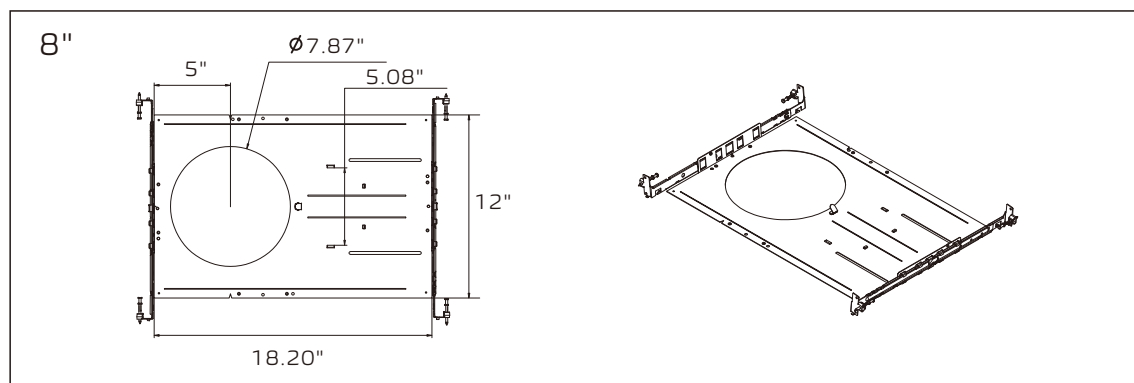
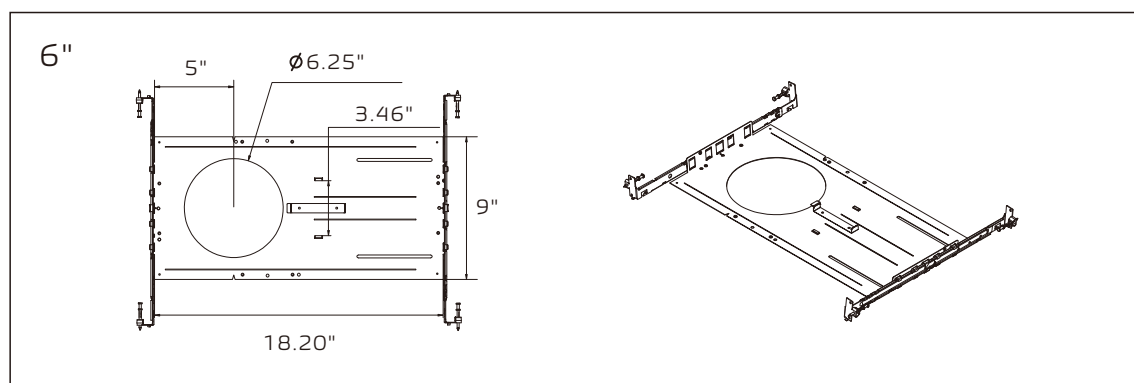
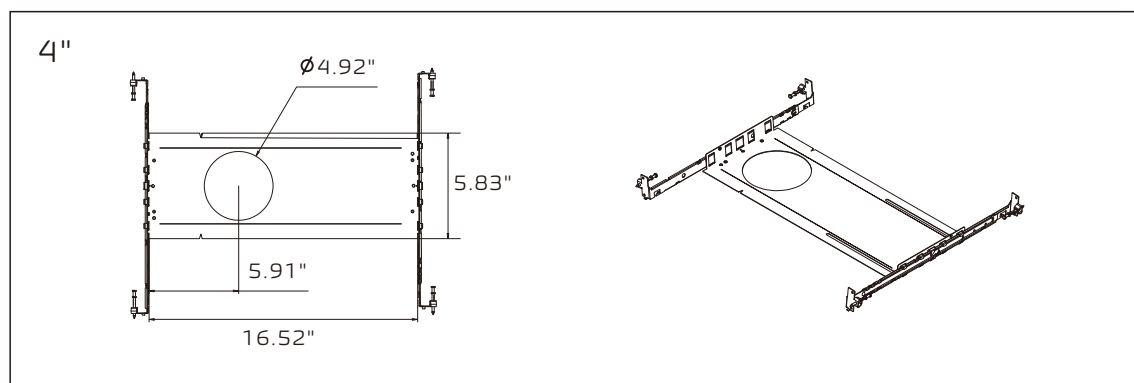


10W IC, 15W IC, 20W NON IC



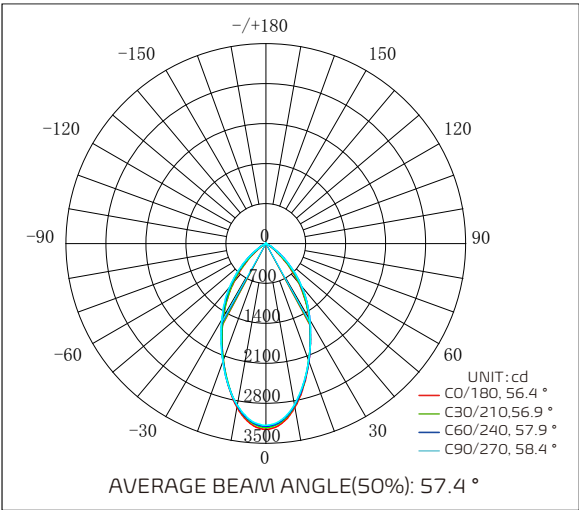
20W IC, 40W NON IC

Optional New Construction Frame Kits



Distribution Diagram - 6IN 40W Round

Average Illuminance Curve



Zonal Flux Diagram

τ	C0	C45	C90	C135	C180	C225	C270	C315
10	2916	2896	2871	2857	2912	2879	2879	2847
20	2201	2209	2188	2161	2186	2173	2203	2164
30	1521	1544	1542	1506	1498	1511	1552	1516
40	891.0	956.2	972.7	929.2	869.3	928.2	987.2	941.9
50	335.4	424.5	441.2	395.6	321.0	402.9	451.4	401.2
60	58.83	91.82	97.54	78.63	54.01	80.69	104.7	80.35
70	3.285	2.050	1.504	1.915	3.235	2.035	1.621	2.036
80	1.606	0.8562	0.5011	0.8066	1.591	0.8574	0.4999	0.8304
90	0.1094	0.0676	0.0949	0.0811	0.0721	0.1087	0.0767	0.1179
DEG	LUMINOUS INTENSITY:cd							

Zonal Lumen Summary

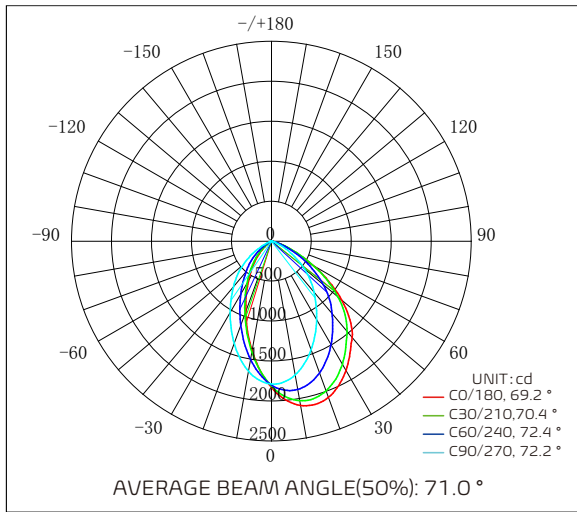
τ	φ zone	φ total	η lum, lamp
0-10	289.3	289.3	8.69, 8.69
10-20	708.6	997.9	30, 30
20-30	842.1	1840	55.3, 55.3
30-40	760.8	2601	78.1, 78.1
40-50	500.0	3101	93.2, 93.2
50-60	188.9	3290	98.8, 98.8
60-70	27.06	3317	99.7, 99.7
70-80	1.566	3318	99.7, 99.7
80-90	0.6113	3319	99.7, 99.7
UNIT: lm			

Coefficients of Utilization

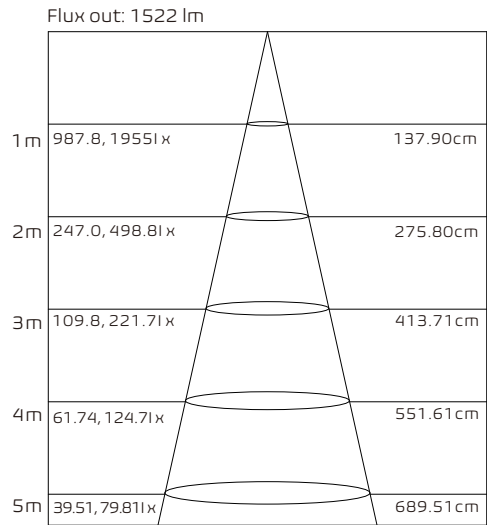
ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			(CU)												
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	0
1.0	110	107	104	107	105	103	103	101	0	0	98	97	96	95	94	92
2.0	101	96	92	99	95	91	96	92	89	93	90	87	90	87	85	84
3.0	93	87	83	91	86	82	88	84	81	86	82	79	84	81	78	76
4.0	85	79	74	84	78	74	82	77	73	80	76	72	78	74	71	70
5.0	79	72	67	78	72	67	76	71	67	74	70	66	73	69	65	64
6.0	73	66	62	72	66	61	71	65	61	69	64	60	68	63	60	58
7.0	68	61	57	67	61	56	66	60	56	65	60	56	63	59	55	54
8.0	63	57	52	63	56	52	62	56	52	61	55	52	59	55	51	50
9.0	59	53	48	59	53	48	58	52	48	57	52	48	56	51	48	46
10.0	56	49	45	55	49	45	54	49	45	53	48	45	53	48	44	43



Distribution Diagram - 6IN 40W Round



Average Illuminance Curve



Height Eavg, Emax Angle: 69.17deg Diameter

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

Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	2085	1962	1700	1461	1397	1445	1654	1654
20	2080	1892	1449	1069	944.4	1031	1366	1366
30	1866	1658	1132	716.4	584.0	676.9	1036	1036
40	1572	1343	828.3	446.7	318.6	409.1	740.0	740.0
50	1152	1001	540.1	222.7	107.6	194.1	468.4	468.4
60	593.4	562.8	253.7	36.59	12.99	29.40	196.6	196.6
70	169.5	186.5	59.76	4.875	5.799	4.675	36.88	36.88
80	4.680	16.81	1.576	1.973	2.586	1.774	1.364	1.364
90	0.0996	0.0631	0.0831	0.1709	0.1311	0.1950	0.0767	0.0767
DEG	LUMINOUS INTENSITY: cd							

Zonal Lumen Summary

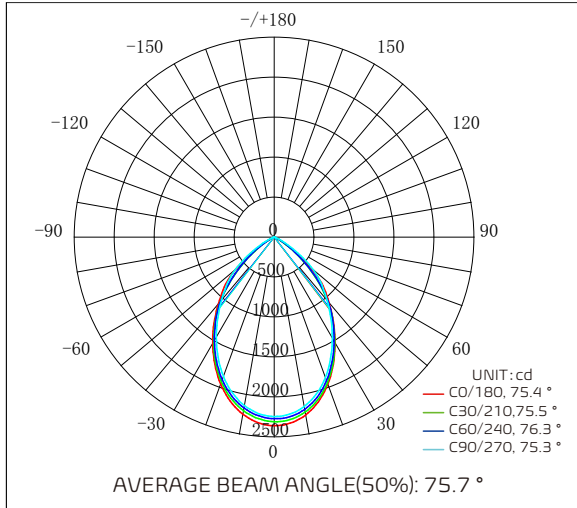
T	φ zone	φ total	% lum, lamp
0-10	166.4	166.4	5.64, 5.64
10-20	443.9	610.3	20.7, 20.7
20-30	596.3	1207	40.9, 40.9
30-40	623.2	1830	62, 62
40-50	552.8	2383	80.8, 80.8
50-60	367.5	2750	93.3, 93.3
60-70	156.5	2907	98.6, 98.6
70-80	33.63	2940	99.7, 99.7
80-90	1.021	2941	99.7, 99.7
UNIT: lm			

Coefficients Of Utilization

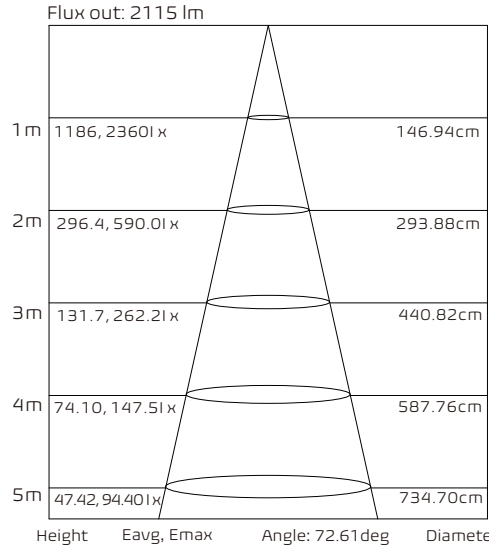
ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			(CU)												
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	0
1.0	108	105	102	106	103	100	101	99	97	98	96	94	94	93	91	89
2.0	97	92	87	95	90	86	92	88	84	89	85	82	86	83	80	79
3.0	87	81	76	86	80	75	83	78	74	80	76	72	78	74	71	69
4.0	79	72	66	78	71	66	75	70	65	73	68	64	71	67	63	61
5.0	72	64	59	71	64	58	69	63	58	67	61	57	65	60	57	55
6.0	66	58	52	65	57	52	63	57	52	61	56	51	60	55	51	49
7.0	60	53	47	59	52	47	58	51	47	57	51	46	55	50	46	44
8.0	56	48	43	55	48	43	54	47	42	52	46	42	51	46	42	40
9.0	51	44	39	51	44	39	50	43	39	49	43	39	48	42	38	37
10.0	48	41	36	47	40	36	46	40	36	45	40	35	45	39	35	34



Distribution Diagram - 6IN 40W Square



Average Illuminance Curve



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

Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	2261	2210	2153	2112	2251	2186	2141	2108
20	1961	1938	1872	1833	1958	1913	1857	1821
30	1527	1523	1458	1440	1541	1505	1450	1422
40	1069	1040	1029	989.3	1088	1020	1024	967.2
50	610.2	476.4	642.7	451.9	634.2	457.1	637.9	439.4
60	138.1	98.62	196.9	95.56	147.8	95.34	198.5	90.87
70	10.20	7.550	11.30	5.999	9.294	6.717	12.18	6.998
80	5.189	4.341	5.442	3.213	4.520	4.015	5.773	3.727
90	0.2393	0.3240	0.4220	0.4175	0.5400	0.1953	1.041	0.1559
DEG	LUMINOUS INTENSITY: cd							

Zonal Lumen Summary

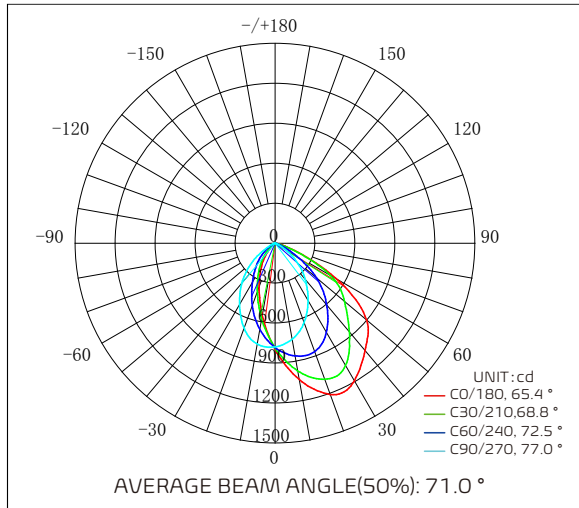
T	Φ zone	Φ total	lum, lamp
0-10	211.2	211.2	6.43, 6.43
10-20	572.9	784.1	23.9, 23.9
20-30	773.9	1558	47.4, 47.4
30-40	781.9	2340	71.2, 71.2
40-50	603.2	2943	89.6, 89.6
50-60	275.6	3219	98, 98
60-70	46.10	3265	99.4, 99.4
70-80	6.612	3271	99.6, 99.6
80-90	4.014	3275	99.7, 99.7
UNIT: lm			

Coefficients of Utilization

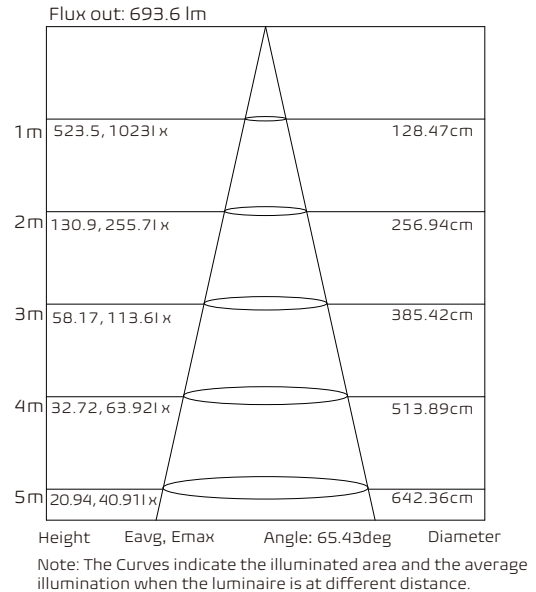
ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			(CU)												
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	0
1.0	109	106	103	107	104	102	103	100	98	99	97	95	95	94	93	91
2.0	99	94	90	97	93	89	94	90	87	91	88	85	88	86	83	82
3.0	91	84	80	89	83	79	86	82	78	84	80	76	81	78	75	73
4.0	83	76	71	81	75	70	79	74	70	77	72	69	75	71	68	66
5.0	76	69	64	75	68	63	73	67	63	71	66	62	69	65	61	60
6.0	70	62	57	69	62	57	67	61	57	66	60	56	64	59	56	54
7.0	64	57	52	64	57	52	62	56	52	61	55	51	60	55	51	49
8.0	60	52	48	59	52	47	58	52	47	57	51	47	55	50	47	45
9.0	55	48	44	55	48	44	54	48	43	53	47	43	52	47	43	41
10.0	52	45	40	51	45	40	50	44	40	49	44	40	48	43	40	38



Distribution Diagram - 20W 6IN Square



Average Illuminance Curve



Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	1038	919.6	732.9	585.3	554.5	616.2	769.8	942.8
20	1209	984.8	638.0	411.7	535.7	439.8	680.2	1037
30	1192	930.7	494.7	267.4	210.7	287.2	535.8	993.1
40	1053	743.2	354.7	155.9	97.27	170.7	388.6	789.6
50	896.8	548.9	205.7	66.71	21.28	79.17	231.3	587.6
60	526.2	310.4	73.90	12.46	5.292	14.93	82.68	371.6
70	136.0	73.16	14.65	4.282	4.094	4.888	15.92	99.23
80	12.17	4.784	1.600	3.400	3.395	3.294	2.004	8.560
90	0.1674	0.0925	0.0768	0.1779	0.0947	0.0635	0.1183	0.1624
DEG	LUMINOUS INTENSITY: cd							

Zonal Lumen Summary

T	φ zone	φ total	% lum, lamp
0-10	73.89	73.89	4.65, 4.65
10-20	210.5	284.3	17.9, 17.9
20-30	307.9	592.3	37.2, 37.2
30-40	336.9	929.2	58.4, 58.4
40-50	305.6	1235	77.6, 77.6
50-60	226.0	1461	91.8, 91.8
60-70	102.0	1563	98.3, 98.3
70-80	21.16	1584	99.6, 99.6
80-90	2.195	1586	99.7, 99.7
UNIT: lm			

Coefficients Of Utilization

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			(CU)												
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	0
1.0	107	104	101	105	102	99	101	98	96	97	95	93	93	92	90	88
2.0	96	90	86	94	89	85	91	86	83	88	84	81	85	82	79	77
3.0	86	79	74	85	78	73	82	76	72	79	74	71	77	73	69	67
4.0	77	70	64	76	69	64	74	68	63	72	66	62	69	65	61	59
5.0	70	62	56	69	62	56	67	60	55	65	59	55	63	58	54	52
6.0	64	56	50	63	55	50	61	54	49	59	53	49	58	53	48	47
7.0	58	50	45	57	50	45	56	49	44	55	48	44	53	48	44	49
8.0	53	46	40	53	45	40	51	45	40	50	44	40	49	44	39	38
9.0	49	42	37	49	41	36	48	41	36	47	40	36	46	40	36	34
10.0	46	38	33	45	38	33	44	38	33	43	37	33	42	37	33	31

