

Características Generales de los Luminarios LEDS para Empotrar LedDisc.

Gracias a su extraordinario rendimiento los luminarios LEDS para empotrar ó Downlight LedDisc, hace posible reducir considerablemente el consumo energético sin afectar la calidad de iluminación en aplicaciones generales con luz blanca.

Con diámetro de corte del falso techo de 80 mm.

LedDisc ofrece un aspecto y diseño compacto, crea una iluminación suave y natural, que garantiza el confort visual.

Con un consumo de apenas 5 W que permite ahorrar hasta un 50% de energía.

Es muy fácil y segura la instalación de LedDisc.

Su larga duración de 35000 horas pone fin al problema de reposición de lámparas.

LedDisc tiene un Índice de Protección de entrada de cuerpos sólidos y humedad de 60 IP.

Está fabricado en Aluminio con terminado en color Blanco y Níquel Satín.

Incluye una balastra para el funcionamiento a Corriente Alterna Domestica.

Aplicaciones de los Luminarios LEDS para Empotrar LedDisc.

Nuestros luminarios LEDS para empotrar en techo LedDisc, están indicadas para todos los usos, creando un ambiente decorativo, tanto a nivel doméstico como en centros comerciales, hoteles, oficinas, edificios, restaurantes, teatros, plazas comerciales, hoteles, universidades, colegios, escuelas, etc.

Garantía de los Luminarios para Empotrar LedDisc.

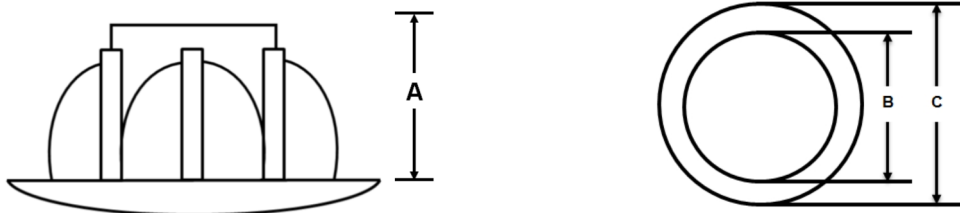
Los luminarios LEDS para empotrar LedDisc, tienen una garantía de 2 (dos) años sujeto a clausulas VentDepot.



Características Técnicas Específicas de los Luminarios LEDS para Empotrar LedDisc.

Clave	Alimentación			Tipo de Lámpara	Ángulo de Apertura	Temperatura de Color	Color	Índice de Protección	Acabado	Material	Peso		Dimensiones con Empaque					
	VCA	Im	W								kg	lb	Base		Fondo			
													cm	in	cm	in		
MXLDC-001	85/265	300	5	LED	120°	3000° K	Blanco Cálido	60	Blanco	Aluminio	0.10	0.22	12	5	7	3	12	5
MXLDC-002	85/265	300	5	LED	120°	6000° K	Blanco Frío	60	Blanco	Aluminio	0.10	0.22	12	5	7	3	12	5
MXLDC-003	85/265	300	5	LED	120°	3000° K	Blanco Cálido	60	Níquel Satín	Aluminio	0.10	0.22	12	5	7	3	12	5
MXLDC-004	85/265	300	5	LED	120°	6000° K	Blanco Frío	60	Níquel Satín	Aluminio	0.10	0.22	12	5	7	3	12	5

Dimensiones en mm



Clave	A	B	C
MXLDC-001	50	80	105
MXLDC-002	50	80	105
MXLDC-003	50	80	105
MXLDC-004	50	80	105

Galería

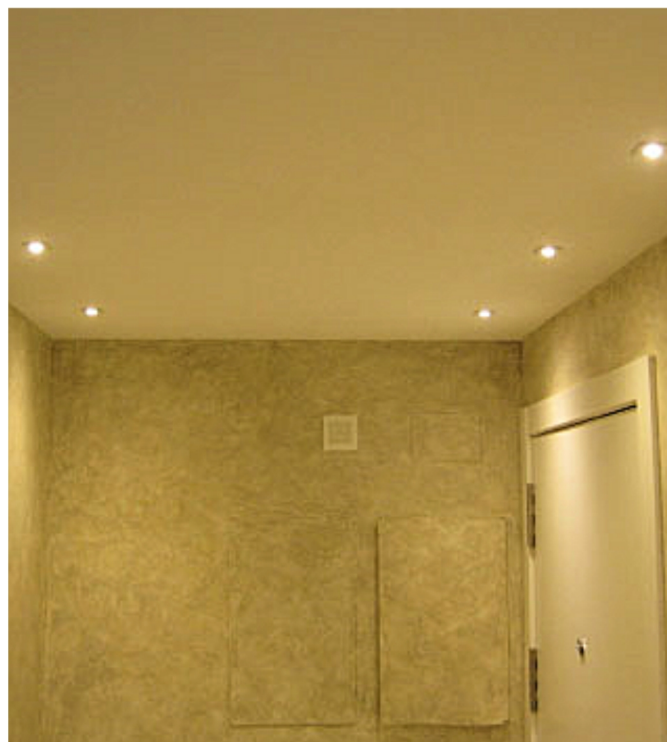




Tabla de Equivalencia de Watts		
LED Watts	Fluorescente Watts	Incandescente Watts
1	2	8
2	4	16
3	6	24
4	8	32
5	10	40
6	12	48
7	14	56
8	16	64
9	18	72
10	20	80
11	22	88
12	24	96
13	26	104
14	28	112
15	30	120
16	32	128
17	34	136
18	36	144
19	38	152
20	40	160
21	42	168
22	44	176
23	46	184
24	48	192
25	50	200
26	52	208
27	54	216
28	56	224
29	58	232
30	60	240
31	62	248
32	64	256
33	66	264
34	68	272
35	70	280
36	72	288
37	74	296
38	76	304
39	78	312
40	80	320
41	82	328
42	84	336
43	86	344
44	88	352
45	90	360
46	92	368
47	94	376
48	96	384
49	98	392
50	100	400
75	150	600
100	200	800
150	300	1200
200	400	1600



Índices de Protección IP: Tabla de Referencia

Primera Cifra de Característica		Grados de Protección a partes Peligrosas	Segunda Cifra de Característica			Grados de Protección a partes Peligrosas		
I.P	Ejemplo		I.P	Ejemplo	Pruebas			
0		No protegida	Sin protección	0		No protegida	Sin protección	
1		Impide la penetración de una esfera de 50 mm de diámetro. Protege contra contacto accidental	Reverso de la mano	1		Protegida contra la caída vertical de gotas de agua	Goteo vertical	
2		Impide la penetración de una esfera de 12.5 mm de diámetro	Dedos u objetos análogos	2		Protegida contra la caída de gotas de agua con una inclinación máxima de 15°	Goteo vertical con una inclinación máxima de hasta 15° con respecto a la posición normal	
3		Impide la penetración de una sonda de 2.5 mm de diámetro	Herramientas	3		Protegida contra la lluvia fina (pulverizada)	Agua pulverizada (lluvia) con una dirección de hasta 60° con la vertical	
5		Impide la penetración de una sonda de 1 mm de diámetro	Alambres	4		Protegida contra las proyecciones de agua, penetración limitada permitida	Proyección de agua en todas direcciones limitadas	
5		Protegida contra la penetración de polvo (acumulación no peligrosa)	Protección al polvo	Alambres	5		Protegida contra los chorros de agua, penetración limitada y permitida	Agua proyectada con la ayuda de una boquilla en todas las direcciones
6		Estanqueidad total al polvo	Estanqueidad total al polvo		6		Protegida contra fuertes chorros de agua o contra la mar gruesa	Fuertes chorros de agua o contra la mar gruesa en todas las direcciones
				7		Protegida contra los efectos de la inmersión prolongada a las profundidades entre 150 mm y 1 m	Inmersión temporal	
				8		Protegida contra la inmersión prolongada a las profundidades específicas	Inmersión prolongada en agua bajo las condiciones específicas por el fabricante*	

Ejemplo:

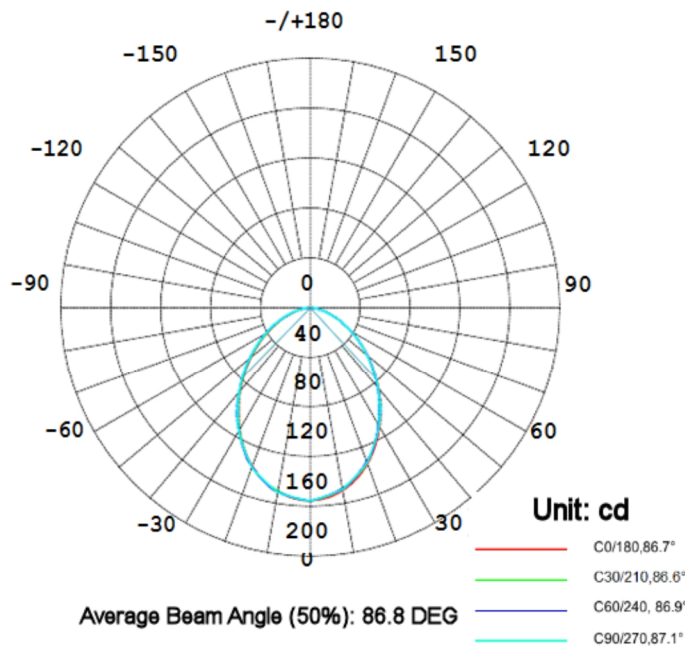
- I.P. – 31: Impide la penetración de una sonda de 2.5 mm de diámetro. Protegida contra la caída vertical de gotas de agua.
- I.P. – 66: Estanqueidad total al polvo. Protegida contra fuertes chorros de agua contra la mar gruesa.
- I.P. – 01: Sin protección. Protegida contra la caída vertical de gotas de agua.
- I.P. – 62: Estanqueidad total al polvo. Protegida contra la caída de gotas de agua con una inclinación máxima de 15°.

Everfine Goniophotometers System Test Report

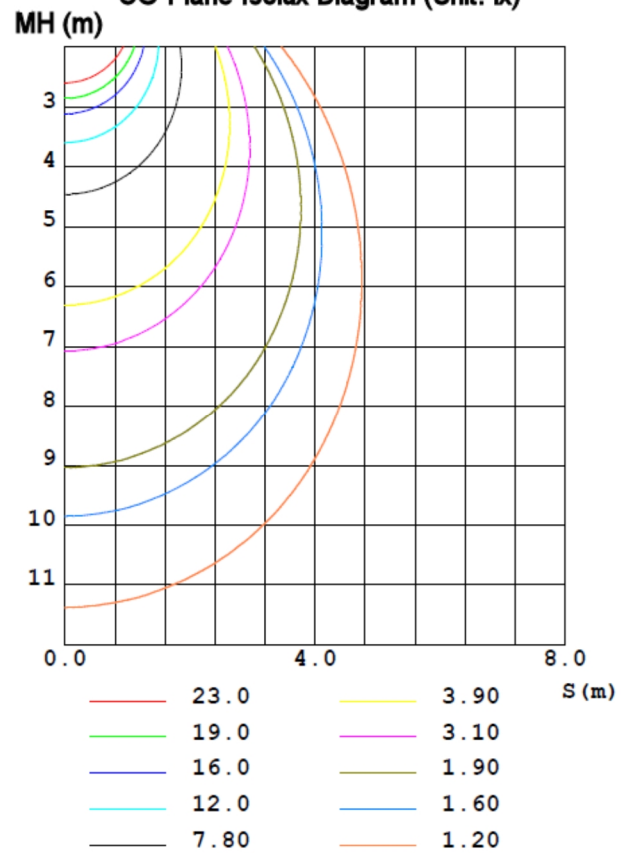
Luminaire Photometric Test Report		
Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	TYPE:	
DIM.: 0.105m	SPEC.:	Serial N°: 1
MFR.: Mazzetti	SUR.:(R)d=0.065m	PROTECTION ANGLE:

Data of Lamp		Photometric Data			
Model		Imax (cd)	155.4	s/mh (c0/180)	1.09
Nominal Power(w)	5	Lor (%)	71.9	s/mh (c90/270)	1.08
Rated Voltage(v)	220	Total Flux (lm)	322.60	η up.dn (c0-180)	0.0,35.1
Nominal Flux (lm)	450	Cie Class	DIRECT	η up.dn (c180-360)	0.0,36.6
Lamps Inside	1	η up(%)	0.0	Cibse Shr Nom	1.25
Test Voltage (v)	219.2	η down (%)	71.7	Cibse Shr Max	1.25

Luminous Intensity Distribution Diagram

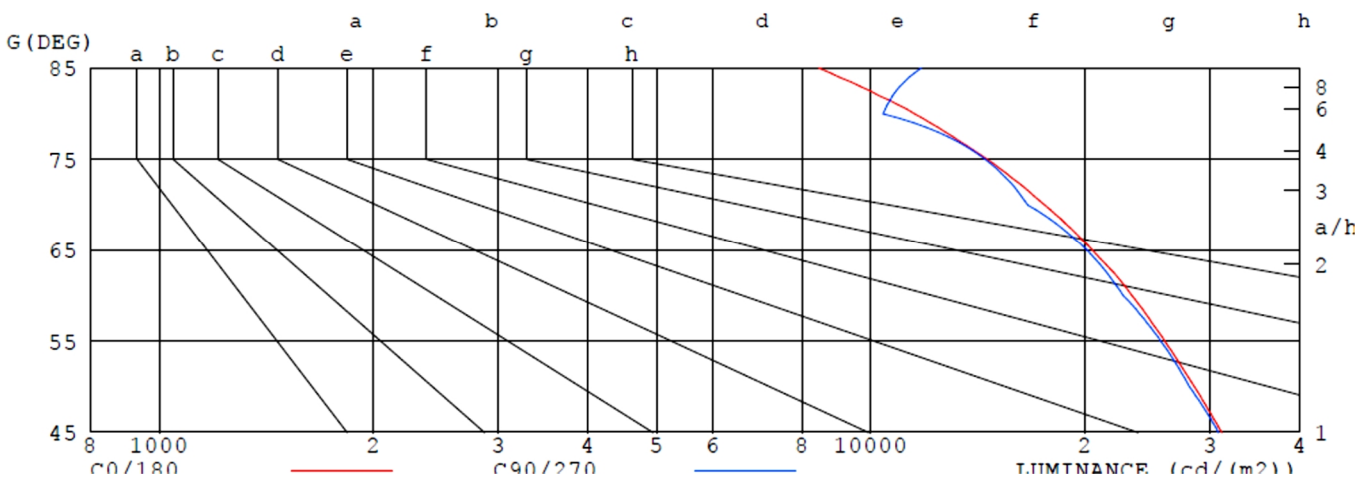


CO Plane Isolux Diagram (Unit: lx)



Zonal Flux Diagram and Luminance Limitation Curves													
ψ	C0	C45	C90	C135	C180	C225	C270	C315	ψ	<λ zone	<λ total	%lum,lamp	
5	153.8	152.2	152.2	152.6	154.3	153.4	153.3	153.0	0- 5	3.680	3.680	1.14,0.82	
10	149.6	147.8	148.9	148.6	150.5	150.2	151.2	149.4	5- 10	10.81	14.49	4.49,3.22	
15	142.9	141.6	140.9	142.8	144.4	145.1	144.1	143.8	10- 15	17.33	31.82	9.86,7.07	
20	134.0	131.9	133.0	133.2	135.9	136.2	137.1	134.6	15- 20	22.83	54.65	16.9,12.1	
25	123.2	121.5	121.6	122.9	125.5	126.4	126.1	124.6	20- 25	27.08	81.73	25.3,18.2	
30	111.1	109.6	110.1	111.0	113.4	114.7	115.0	112.7	25- 30	29.81	111.5	34.6,24.8	
35	98.35	96.72	97.25	98.21	100.6	101.8	102.0	99.72	30- 35	31.08	142.6	44.2,31.7	
40	85.30	84.09	84.37	85.66	87.57	89.11	88.94	87.05	35- 40	30.93	173.6	53.8,38.6	
45	72.63	71.45	71.93	72.67	74.55	75.98	76.44	74.20	40- 45	29.58	203.1	63,45.1	
50	60.43	59.58	59.49	60.40	62.16	63.60	63.95	62.22	45- 50	27.25	230.4	71.4,51.2	
55	49.04	48.10	48.40	48.88	50.42	52.04	52.79	50.88	50- 55	24.17	254.6	78.9,56.6	
60	38.40	37.47	37.32	38.14	39.54	41.32	41.63	40.30	55- 60	20.59	275.1	85.3,61.1	
65	28.56	27.84	28.05	28.36	29.56	31.40	32.15	30.64	60- 65	16.66	291.8	90.5,64.8	
70	19.82	19.33	18.78	19.68	20.63	22.47	22.68	21.95	65- 70	12.66	304.5	94.4,67.7	
75	12.45	11.93	12.37	12.16	13.03	14.52	15.56	14.19	70- 75	8.814	313.3	97.1,69.6	
80	6.609	6.580	5.963	6.687	6.970	8.461	8.443	8.279	75- 80	5.461	318.8	98.8,70.8	
85	2.431	2.825	3.389	2.849	2.677	3.825	4.624	3.743	80- 85	2.773	321.5	99.7,71.4	
90	0.4601	0.7925	0.8153	0.7805	0.7635	0.6581	0.8055	0.6195	85- 90	1.078	322.6	100,71.7	
95									90- 95				
100									95-100				
105									100-105				
110									105-110				
115									110-115				
120									115-120				
125									120-125				
130									125-130				
135									130-135				
140									135-140				
145									140-145				
150									145-150				
155									150-155				
160									155-160				
165									160-165				
170									165-170				
175									170-175				
180									175-180				
DEG	LUMINOUS INTENSITY:cd								UNIT:lm				

Luminance Limitation Curves							
Glare	Class	Illuminance (lx)					
1.15	A	2000	1000	500	<=300		
1.50	B		2000	1000	500	<=300	
1.85	C			2000	1000	500	<=300





Luminance cd/(m2)		
G (DEG)	CO/180	C90/270
85	8453	11783
80	11534	10406
75	14576	14483
70	17563	16636
65	20478	20112
60	23270	22619
55	25907	25573
50	28490	28044
45	31124	30825

Cu and Luminaire Budgetary Estimate Diagram		
Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

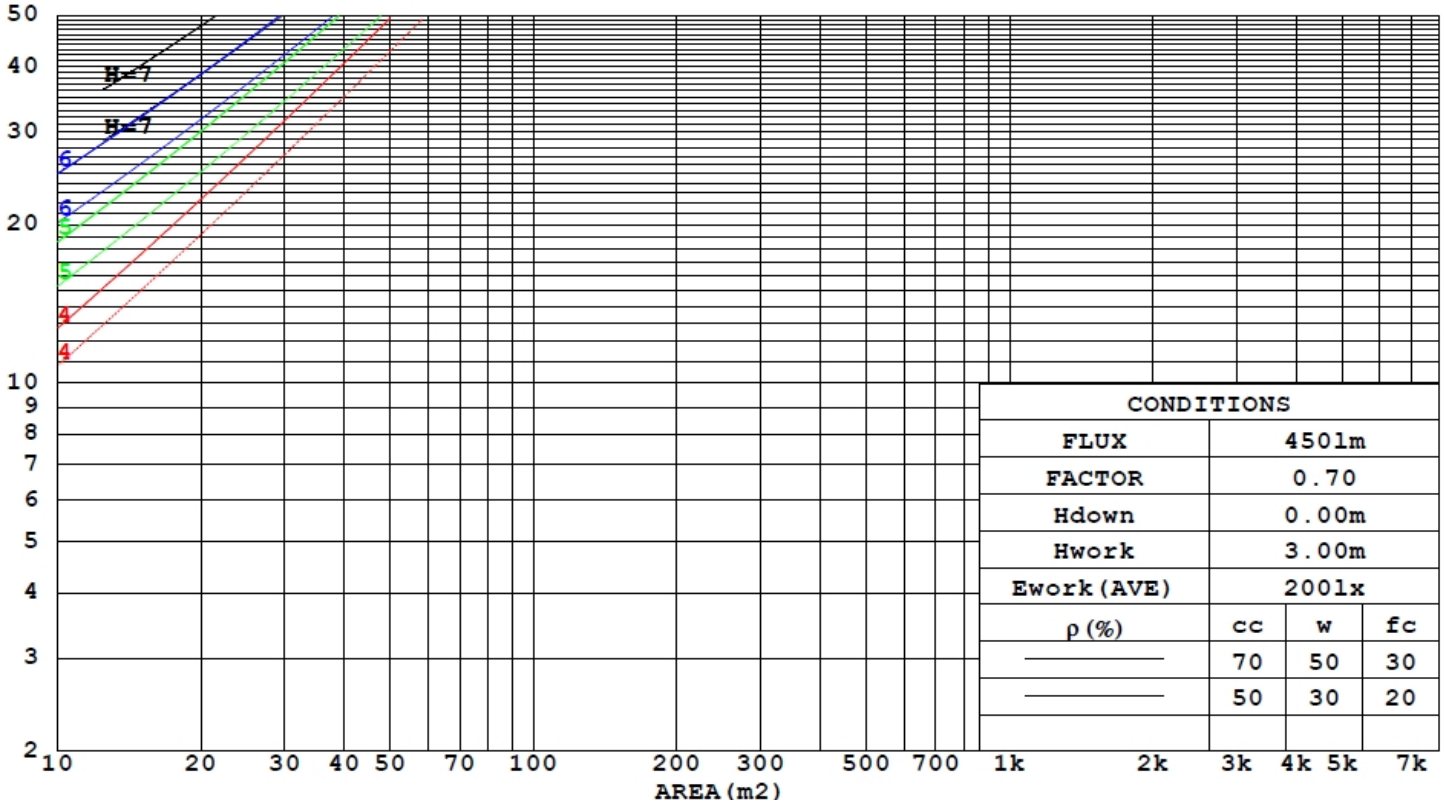
πCC	80%	70%	50%	30%	10%	0
πTW	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
πfc	20%	20%	20%	20%	20%	0

RCR	RCR: Room Cavity Ratio						Coefficients of Utilization (CU)										
	.85	.85	.85	.83	.83	.83	.80	.80	.80	.76	.76	.76	.76	.73	.73	.73	.72
0.0	.76	.73	.71	.74	.72	.69	.71	.69	.67	.68	.67	.65	.65	.66	.65	.63	.62
1.0	.67	.63	.59	.66	.62	.58	.63	.60	.57	.61	.58	.56	.56	.59	.56	.54	.53
2.0	.60	.54	.50	.59	.54	.50	.56	.52	.49	.55	.51	.48	.48	.53	.50	.47	.46
3.0	.53	.48	.43	.53	.47	.43	.51	.46	.42	.49	.45	.42	.42	.48	.44	.41	.40
4.0	.48	.42	.38	.47	.42	.38	.46	.41	.37	.45	.40	.37	.37	.43	.39	.36	.35
5.0	.44	.38	.33	.43	.37	.33	.42	.37	.33	.41	.36	.33	.33	.40	.36	.32	.31
6.0	.40	.34	.30	.39	.34	.30	.38	.33	.30	.37	.33	.29	.29	.36	.32	.29	.28
7.0	.37	.31	.27	.36	.31	.27	.35	.30	.27	.34	.30	.27	.27	.34	.29	.26	.25
8.0	.34	.28	.24	.33	.28	.24	.33	.28	.24	.32	.27	.24	.24	.31	.27	.24	.23
9.0	.31	.26	.22	.31	.26	.22	.30	.26	.22	.30	.25	.22	.22	.29	.25	.22	.21
10.0																	



LAMPS

LUMINAIRE BUDGETARY DIAGRAM



Wec and CCEC

Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm

NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

cc	80%	70%	50%	30%	10%	0
πw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
π fc	20%	20%	20%	20%	20%	0

RCR

RCR: Romm Cavity Ratio

Wall Exitance Coefficients (WEC)

0.0																
1.0	.197	.103	.032	.192	.109	.035	.183	.105	.033	.174	.100	.032	.166	.096	0.31	
2.0	.188	.094	.028	.183	.101	.031	.175	.097	.030	.168	.094	.029	.161	.091	.029	
3.0	.176	.085	.025	.172	.092	.028	.165	.089	.027	.158	.087	.027	.152	.084	.026	
4.0	.164	.078	.023	.160	.084	.025	.154	.082	.024	.148	.080	.024	.143	.077	.024	
5.0	.153	.071	.020	.150	.077	.022	.144	.075	.022	.139	.073	.022	.134	.072	.021	
6.0	.143	.066	.019	.140	.071	.020	.135	.069	.020	.130	.068	.020	.126	.066	.020	
7.0	.134	.061	.017	.131	.065	.019	.127	.064	.018	.122	.063	.018	.119	.062	.018	
8.0	.125	.057	.016	.123	.061	.017	.119	.060	.017	.115	.058	.017	.112	.057	.017	
9.0	.118	.053	.015	.116	.057	.016	.113	.056	.016	.109	.055	.016	.106	.054	.016	
10.0	.111	.053	.032	.110	.053	.015	.106	.052	.015	.103	.051	.015	.100	.051	.015	

cc	80%	70%	50%	30%	10%	0
TTW	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
TT fc	20%	20%	20%	20%	20%	0

RCR	RCR: Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.137	.137	.137	.117	.117	.117	.080	.080	.080	.046	.046	.046	.015	.015	.015	
1.0	.128	.112	.098	.109	.096	.085	.075	.066	.059	.043	.038	.034	.014	.012	.011	
2.0	.121	.095	.073	.103	.081	.063	.071	.056	.044	.041	.033	.026	.013	.011	.008	
3.0	.114	.082	.056	.098	.071	.048	.067	.049	.034	.039	.029	.020	.013	.009	.007	
4.0	.109	.072	.044	.093	.062	.038	.064	.043	.027	.037	.025	.016	.012	.008	.005	
5.0	.103	.064	.036	.089	.056	.031	.061	.039	.022	.035	.023	.013	.011	.007	.004	
6.0	.098	.058	.030	.085	.051	.026	.058	.035	.018	.034	.021	.011	.011	.007	.004	
7.0	.094	.053	.025	.081	.046	.022	.056	.032	.015	.032	.019	.009	.010	.006	.003	
8.0	.089	.049	.022	.077	.043	.019	.053	.030	.013	.031	.018	.008	.010	.006	.003	
9.0	.085	.046	.019	.073	.040	.016	.051	.028	.012	.030	.016	.007	.010	.005	.002	
10.0	.081	.042	.017	.070	.037	.015	.049	.026	.010	.028	.015	.006	.009	.005	.002	

Uncorrected UGR Table		
Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions		Viewed crosswise					Viewed endwise					
x =	2Hy =	2H	23.6	25.0	23.8	25.2	25.4	23.5	24.9	23.8	25.1	25.3
		3H	24.5	25.8	24.8	26.1	26.3	24.5	25.8	24.8	26.0	26.2
		4H	24.9	26.1	25.2	26.3	26.6	24.8	26.0	25.1	26.3	26.5
		6H	25.0	26.2	25.4	26.5	26.7	25.0	26.1	25.3	26.4	26.7
		8H	25.1	26.2	25.4	26.5	26.7	25.0	26.1	25.3	26.4	26.7
		12H	25.1	26.2	25.4	26.4	26.7	25.0	26.1	25.4	26.4	26.7
	4H	2H	24.0	25.2	24.3	25.4	25.7	23.9	25.2	24.2	25.4	25.7
		3H	25.1	26.2	25.4	26.5	26.8	25.0	26.1	25.4	26.4	26.7
		4H	25.5	26.5	25.9	26.8	27.1	25.5	26.4	25.8	26.8	27.1
		6H	25.8	26.7	26.2	27.0	27.4	25.7	26.6	26.1	26.9	27.3
		8H	25.9	26.7	26.3	27.0	27.4	25.8	26.6	26.2	27.0	27.4
		12H	25.9	26.6	26.3	27.0	27.4	25.9	26.6	26.3	27.0	27.4
	8H	2H	25.6	26.4	26.0	26.8	27.2	25.6	26.4	26.0	26.8	27.1
		3H	26.0	26.7	26.5	27.1	27.5	25.9	26.6	26.4	27.0	27.4
		4H	26.1	26.7	26.6	27.2	27.6	26.1	26.7	26.5	27.1	27.5
		6H	26.2	26.7	26.7	27.2	27.7	26.2	26.7	26.7	27.2	27.7
		8H	25.6	26.4	26.0	26.7	27.1	25.6	26.3	26.0	26.7	27.1
			26.0	26.6	26.5	27.0	27.5	26.0	26.5	26.4	27.0	27.4



Variations with the observer position at spacings:

S=	1.0H	+0.3/-	+0.3/-
	1.5H	+0.1/-	+0.1/-
	2.0H	+0.5/-	+0.5/-

CIE Pub.117 Corrected 450.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.8)

Utilization Factors Table

Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

Reflectance

Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0

Room Index

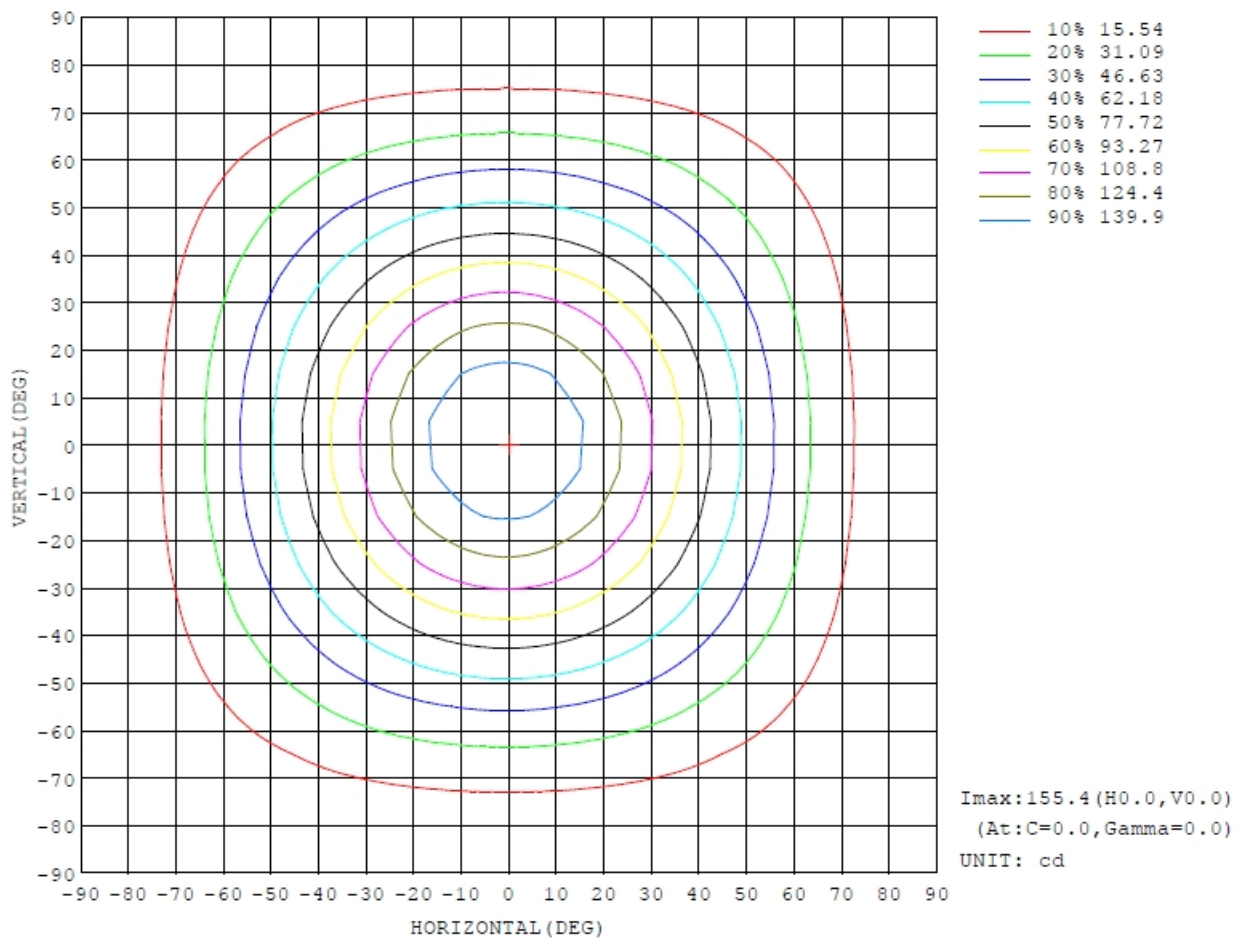
Utilization Factors (Percent) k(RI) x RCR = 5

k=	0.60	45	37	33	45	37	33	44	37	33	28
	0.80	52	45	40	51	44	40	50	44	39	35
	1.00	58	51	46	57	50	46	56	51	46	41
	1.25	63	56	51	62	56	51	60	55	51	46
	1.50	66	60	55	65	59	55	63	58	54	49
	2.00	70	65	61	69	64	60	67	63	59	54
	2.50	73	68	64	71	67	63	69	65	62	57
	3.00	75	71	67	73	70	66	71	67	65	59
	4.00	77	74	71	76	73	70	73	70	68	62
	5.00	79	76	73	77	75	72	74	72	70	64

Room Index	Uf (total)										
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

Isocandela Diadram

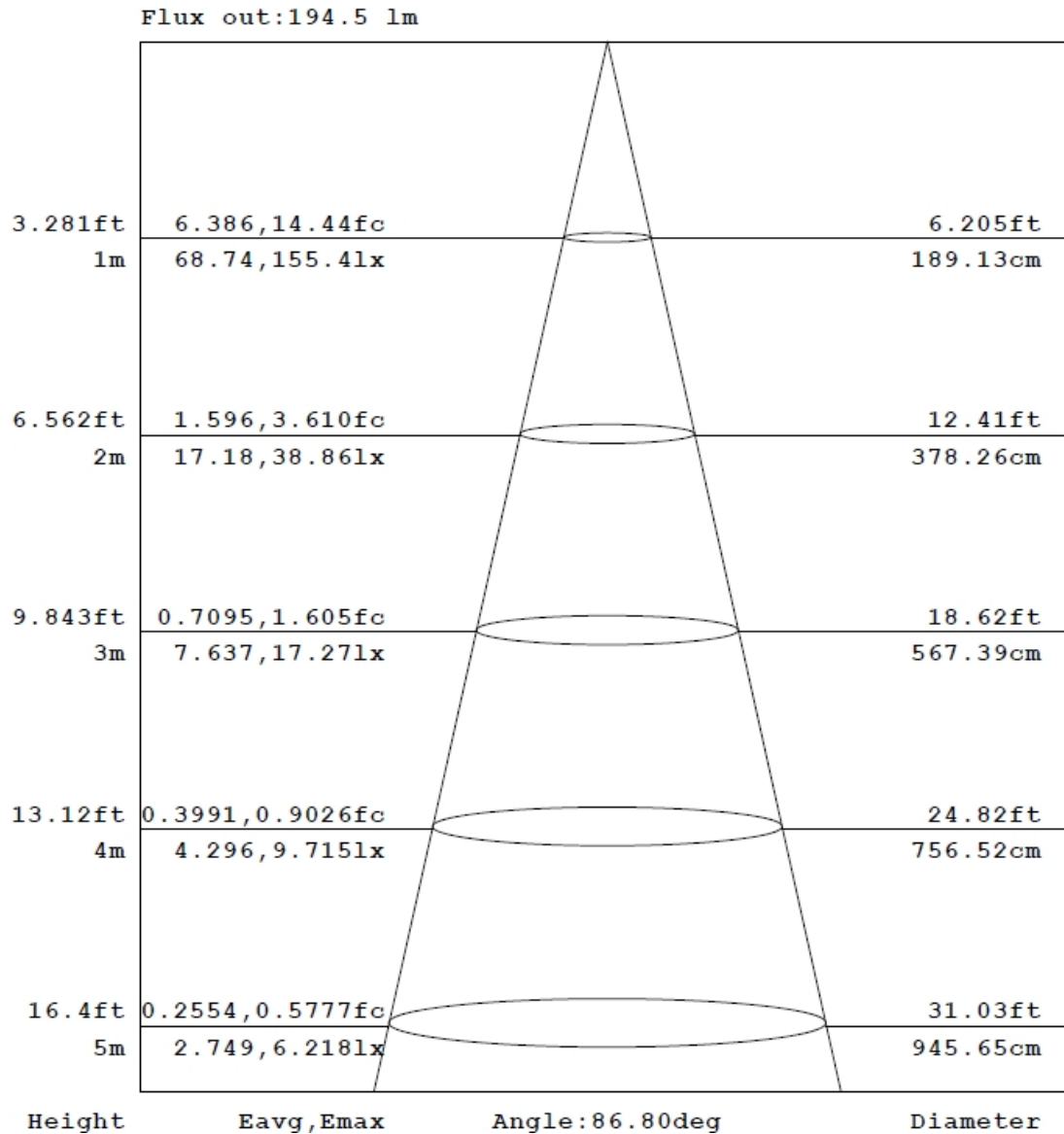
Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti





AAI Figure

Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

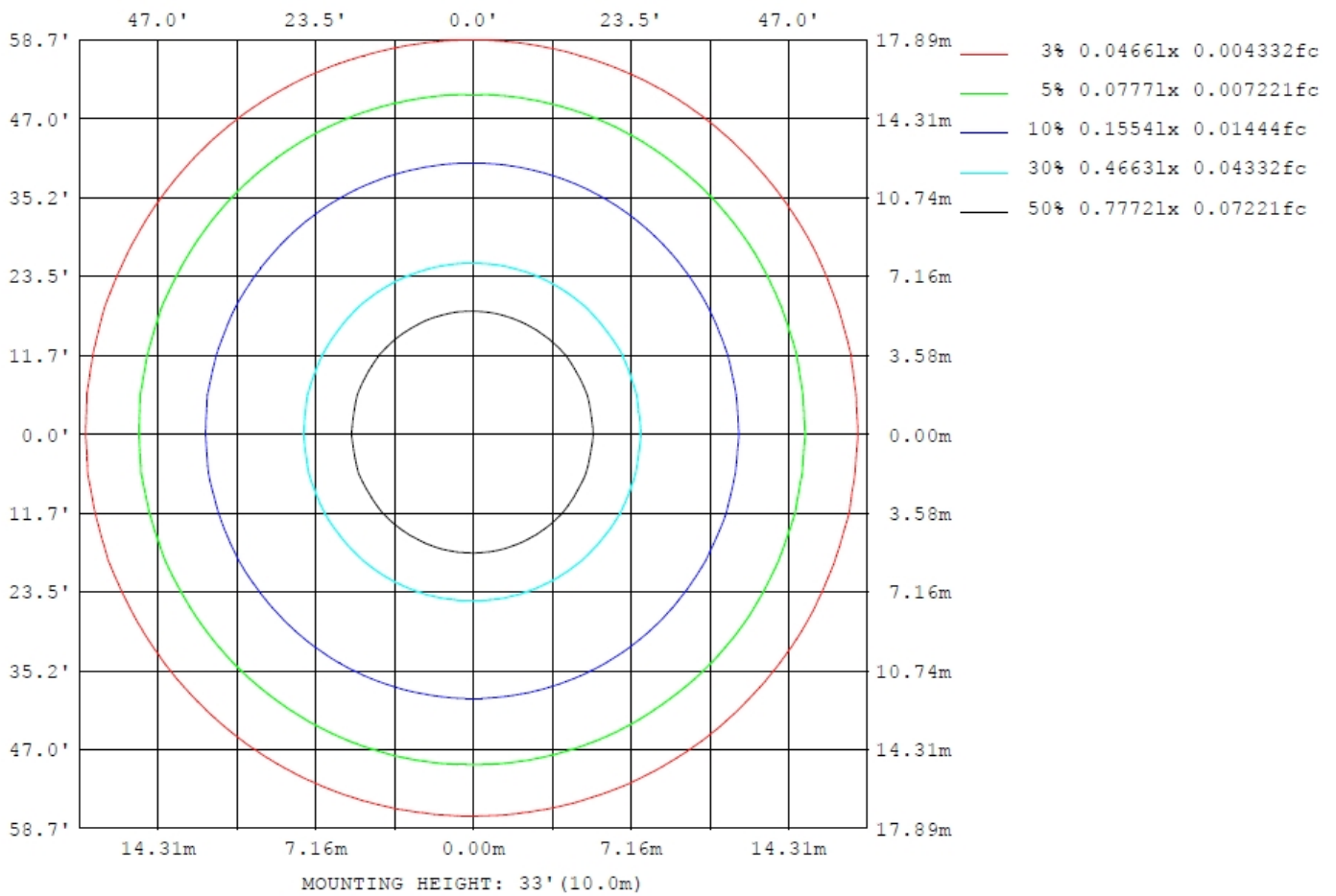


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



Isolux Diagram

Test:U:219 .2VI:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti





Isolux Diagram

Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	450	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.0033	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G deg	C plane (deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	25907	25525	25457	25410	25426	25392	25375	25458	25524	25573	25620	25661	25669	25781	25880	25993	26146	26348	26636
60	23270	22968	22878	22862	22728	22736	22734	22703	22633	22619	22689	22846	23008	23099	23187	23307	23598	23653	23964
65	20478	20287	20082	20062	19986	19882	19909	20064	20088	20112	20149	20185	20162	20195	20436	20480	20651	20928	21197
70	17563	17315	17257	17198	16995	17174	17080	16880	16683	16636	16768	17015	17298	17455	17365	17613	17766	17948	18281
75	14576	14400	14334	14254	14177	13938	14245	14389	14446	14483	14512	14504	14426	14181	14475	14579	14795	14992	15256
80	11534	11578	11522	11210	11471	11413	11130	10779	10500	10406	10518	10837	11227	11567	11690	11470	11820	12041	12164
85	8453	9385	9213	8384	9380	10229	10915	11401	11683	11783	11683	11436	10962	10298	9468	8489	9409	9678	9307

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		Maximum Calculated	Specified Maximum	Maximum measured	Specified Maximum
Category 1	55 to 90	26636	200	---	500
Category 2	65 to 90	21197	200	---	500
Category 3	75 to 90	15256	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match



Average Luminance Table (CIBSE)		
Test:U:219 .2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm		
NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	450	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.0033	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane (deg)																	
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
55	25907255252545725410254262539225375254582552425573256202566125669257812588025993261462634826636																	
60	23270229682287822862227282273622734227032263322619226892284623008230992318723307235982365323964																	
65	20478202872008220062199861988219909200642008820112201492018520162201952043620480206512092821197																	
70	17563173151725717198169951717417080168801668316636167681701517298174551736517613177661794818281																	
75	14576144001433414254141771393814245143891444614483145121450414426141811447514579147951499215256																	
80	11534115781152211210114711141311130107791050010406105181083711227115671169011470118201204112164																	
85	8453 9385 9213 8384 9380 102291091511401116831178311683114361096210298 9468 8489 9409 9678 9307																	

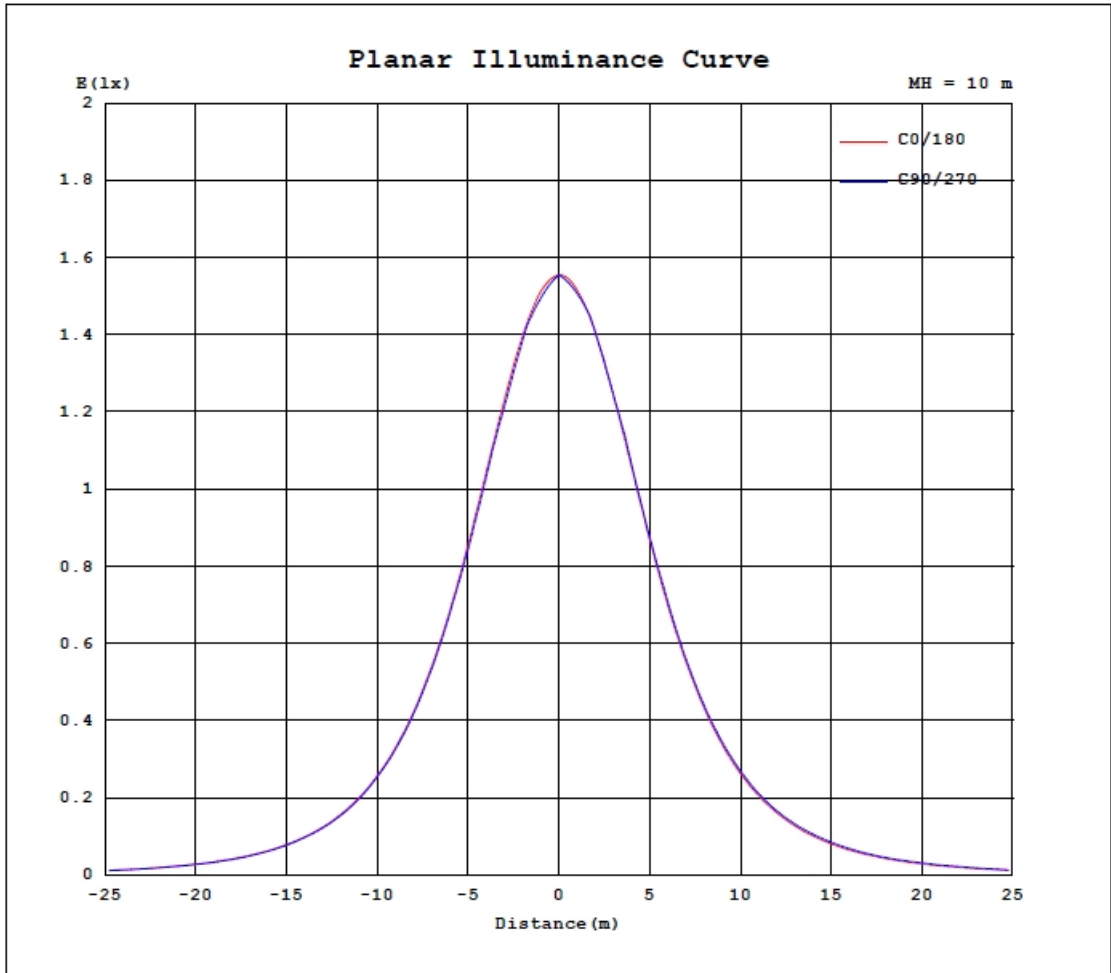
Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m) Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	26636	1000	1500	200	500
65 to 90	21197	1000	1500	200	500

Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

Planar Illuminance Curve



Luminous Distribution Intensity Data

Test:U:219.2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm

NAME: MZLD-05007	TYPE:	
DIM.: 0.105m	SPEC.:	SERIAL No.:1
MFR.: Mazzetti	SUR.:(R)d=0.065m	PROTECTION ANGLE:

Table--1 UNIT: cd

C (DEG) Y (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
5	154	154	153	153	153	153	153	152	152	152	152	152	152	152	152	152	152	152	152
10	150	149	149	148	148	148	148	148	148	148	148	148	148	148	148	149	149	149	149
15	143	142	142	141	141	141	141	141	142	142	141	141	141	141	141	141	141	141	141
20	134	133	133	132	132	133	133	132	132	132	132	132	132	132	132	133	133	133	133
25	123	122	122	122	122	122	121	121	121	122	122	122	122	122	121	121	121	121	122
30	111	110	110	110	110	109	109	110	110	110	109	109	109	109	110	110	110	110	110
35	98.3	97.4	97.1	97.5	96.9	96.8	97.3	97.1	96.8	96.7	96.8	97.0	97.0	96.9	96.9	97.0	97.1	97.1	97.2
40	85.3	84.4	84.4	84.3	84.1	84.5	84.2	83.9	84.0	84.1	84.0	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.4
45	72.6	71.8	72.0	71.6	71.8	71.6	71.4	71.6	71.4	71.4	71.5	71.5	71.6	71.6	71.7	71.8	71.8	71.9	71.9
50	60.4	59.8	59.8	59.7	59.7	59.4	59.5	59.4	59.4	59.6	59.5	59.5	59.5	59.5	59.5	59.5	59.4	59.4	59.5
55	49.0	48.5	48.3	48.6	48.2	48.2	48.1	48.2	48.1	48.1	48.1	48.0	48.0	48.1	48.2	48.3	48.3	48.4	48.4
60	38.4	38.0	37.9	37.8	37.7	37.7	37.7	37.6	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.4	37.3	37.3	37.3
65	28.6	28.4	28.3	28.1	28.0	28.0	28.0	27.9	27.9	27.8	27.7	27.6	27.8	27.9	28.0	28.0	28.0	28.0	28.0
70	19.8	19.6	19.5	19.5	19.5	19.4	19.4	19.3	19.2	19.3	19.4	19.3	19.3	19.2	19.1	18.9	18.8	18.8	18.8
75	12.4	12.4	12.3	12.3	12.2	12.2	12.2	12.2	12.1	11.9	11.9	12.1	12.2	12.2	12.3	12.3	12.3	12.4	12.4
80	6.61	6.59	6.63	6.63	6.60	6.55	6.42	6.52	6.57	6.58	6.54	6.47	6.38	6.27	6.18	6.09	6.02	5.97	5.96
85	2.43	2.62	2.70	2.65	2.65	2.56	2.41	2.56	2.70	2.83	2.94	3.05	3.14	3.22	3.28	3.33	3.36	3.38	3.39
90	0.46	0.94	0.93	0.90	0.85	0.82	0.79	0.79	0.79	0.79	0.80	0.80	0.81	0.82	0.82	0.82	0.82	0.82	0.82



Luminous Distribution Intensity Data

Test:U:219.2V I:0.0490A P:5.750W PF:0.5300 Lamp Flux:450x1 lm

NAME: MZLD-05007	NAME: MZLD-05007	NAME: MZLD-05007
DIM.: 0.105m	DIM.: 0.105m	DIM.: 0.105m
MFR.: Mazzetti	MFR.: Mazzetti	MFR.: Mazzetti

Table--4 UNIT: cd

C (DEG) y (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
0	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
5	153	153	153	153	153	153	153	153	153	153	153	153	153	153	154
10	151	151	150	150	150	150	149	149	149	149	149	149	149	149	149
15	144	144	144	144	144	144	144	144	143	143	142	142	142	142	142
20	137	136	136	135	135	135	135	135	135	135	134	134	133	133	134
25	126	126	125	125	125	125	125	124	124	124	124	124	123	122	123
30	114	114	114	113	113	113	113	113	112	112	111	111	111	110	111
35	101	101	101	101	101	100	99.7	99.6	99.5	99.4	98.6	98.3	98.6	97.9	97.7
40	88.5	88.2	88.0	87.7	87.5	87.2	87.1	86.6	86.2	86.2	86.2	85.5	85.3	85.1	84.8
45	76.0	75.7	75.4	75.1	74.9	74.5	74.2	73.9	73.8	73.3	73.2	73.1	72.5	72.7	72.1
50	63.7	63.5	63.3	63.1	62.8	62.5	62.2	61.9	61.5	61.3	61.0	60.9	60.6	60.4	60.1
55	52.4	52.2	51.9	51.6	51.3	51.1	50.9	50.6	50.3	49.9	49.7	49.4	49.6	48.9	48.8
60	41.5	41.4	41.3	41.2	40.9	40.6	40.3	40.0	39.8	39.6	39.2	38.9	38.7	38.5	38.3
65	31.9	31.8	31.6	31.4	30.9	30.8	30.6	30.4	30.1	29.8	29.5	29.2	29.0	28.9	28.7
70	22.6	22.6	22.6	22.5	22.4	22.2	21.9	21.6	21.4	21.2	20.9	20.6	20.3	20.1	19.9
75	15.4	15.3	15.1	14.9	14.7	14.4	14.2	14.1	14.0	13.7	13.5	13.2	13.0	12.7	12.5
80	8.45	8.47	8.47	8.47	8.45	8.39	8.28	8.12	7.89	7.60	7.51	7.33	7.13	6.90	6.68
85	4.51	4.42	4.32	4.20	4.07	3.91	3.74	3.56	3.36	3.15	3.13	3.06	2.89	2.77	2.58
90	0.78	0.76	0.74	0.71	0.68	0.65	0.62	0.59	0.57	0.56	0.56	0.56	0.56	0.56	0.56

C Range: 0 - 360DEG □Range: 0 - 90DEG
 C Interval: 5.0DEG □Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:22DEG
 Operators:
 Test Date:2013-05-31

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity:65.0%
 Test Distance:5.000m [K=1.0000]
 Remarks: