

TREPI



*Imágenes a título ilustrativo

LUMINARIA LED

BRAZO FIJO

100w

10.000 LM

Certificación
Seguridad Eléctrica



LUZ FRÍA

LUMINARIA LED BRAZO FIJO | 100W

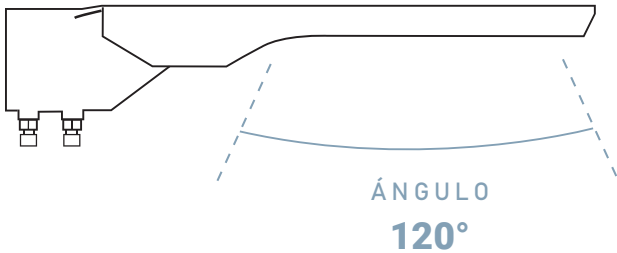
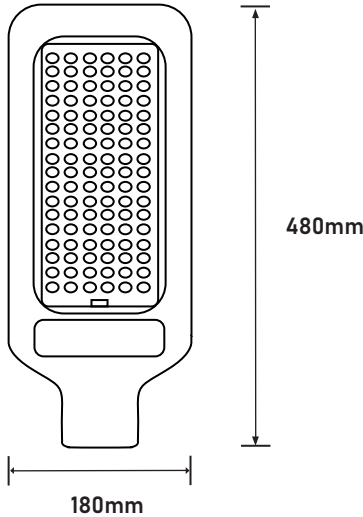
Luminaria led **FIJA 100W**. Ideal para areas úrbanas y espacios públicos como calles, avenidas, parques, plazas, etc. Proporciona una iluminación clara y uniforme, mejorando la visibilidad y seguridad para conductores y peatones.

Potencia **100W**
Tensión **100-265V**

Luz fría
6000K

**0,9** Factor de
Potencia

LM **10.000 LM**
(100 LM/W)



ESPECIFICACIONES TÉCNICAS

MODELO	IM2102002	TEMPERATURA LUZ	Fría 6000K
POTENCIA	100W	FACTOR DE POTENCIA	0.9
LÚMENES POR WATT	100 LMxW	EFICIENCIA ENERGÉTICA	A+
FLUJO LUMINOSO	10.000 LM	TAMAÑO DE LÁMPARA	368x155mm
VOLTAJE	100-265V	PROTECCIÓN IP	IP65
FRECUENCIA	50 hz	FACTOR IK	IK06
ANGULO	110°	MATERIAL DEL CUERPO	Aluminio
CRI	>80	MATERIAL DEL LENTE	PC
VIDA ÚTIL	25.000 hs	TIPO DE CHIP	SMD2835 - 114 Chips
VIDA ÚTIL (ON/OFF)	25.000 maniobras	SECCIÓN DEL CABLE	3x0,75
TEMPERATURA DE TRABAJO	-25°c +40°c	MEDIDA DEL CABLE	200mm
TAMAÑO DE LUMINARIA	480x180x92mm	BRAZO	Fijo
ORIFICIO P/ CAÑO	60mm máximo	MEDIDA DEL BRAZO	77 mm
PESO DE LUMINARIA	1,031 Kg	GARANTÍA	2 años

PRECAUCIONES

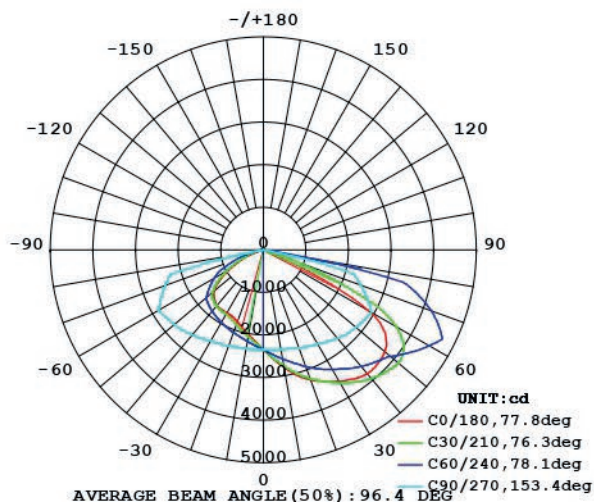
- A. La instalación de la luminaria debe ser realizada por personal técnico calificado.
- B. Trabaje solo bajo condiciones seguras (con el módulo y herramientas adecuadas).
- C. No reemplazar o remover luminarias sin antes realizar la desconexión de la alimentación.
- D. La luminaria no debe ser utilizada sin todas las cubiertas colocadas en su correcta posición.
- E. No conecte esta luminaria mientras está en su embalaje.

LUMINAIRE PHOTOMETRIC TEST REPORT

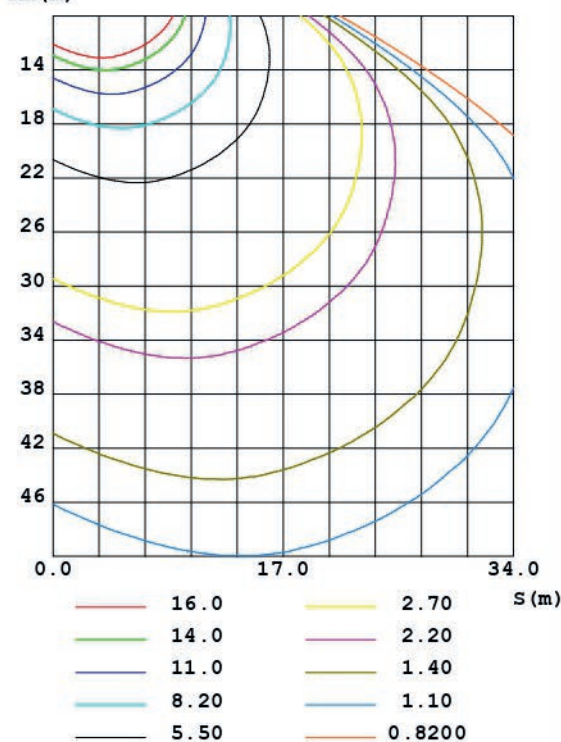
Test:U:229.2V I:0.4223A P:93.66W PF:0.9678 Lamp Flux:11407.8x1 lm		
NAME: LUMINARIA LED BRAZO FIJO 100W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.80 lm/W			
MODEL		I _{max} (cd)	5267	S/MH (C0/180)	2.12
NOMINAL POWER(W)	94	LOR(%)	100.0	S/MH (C90/270)	1.74
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	11408	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	11407.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	229.2	η down(%)	100.0	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

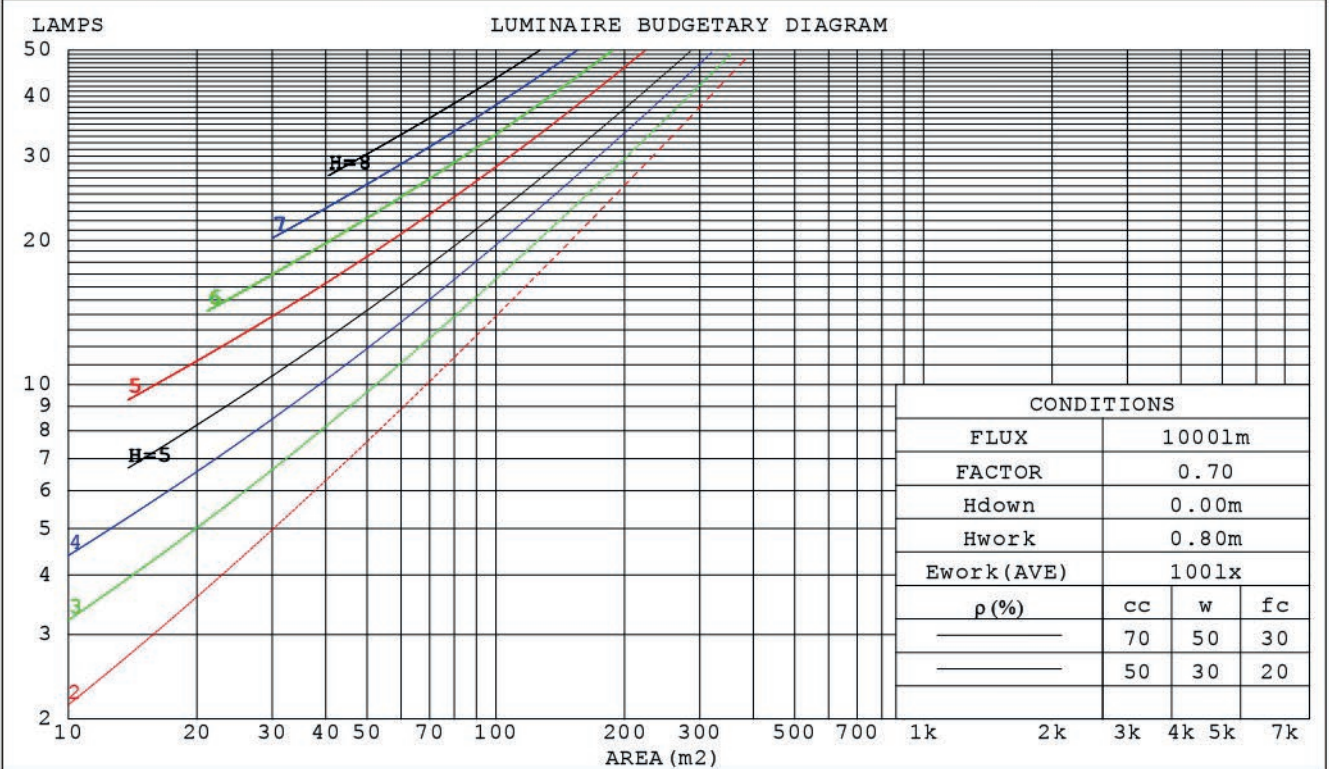
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2563	2508	2360	2226	2167	2222	2350	2501	0- 5	56.29	56.29	0.49,0.49
10	2805	2696	2380	2122	2028	2118	2359	2672	5- 10	170.4	226.7	1.99,1.99
15	3044	2899	2399	2028	1906	2032	2368	2850	10- 15	287.3	514.0	4.51,4.51
20	3244	3101	2451	1941	1796	1947	2402	3034	15- 20	406.9	920.9	8.07,8.07
25	3409	3293	2504	1865	1730	1879	2437	3198	20- 25	528.5	1449	12.7,12.7
30	3563	3474	2556	1799	1712	1822	2471	3366	25- 30	652.0	2101	18.4,18.4
35	3706	3629	2633	1751	1716	1786	2540	3522	30- 35	778.0	2879	25.2,25.2
40	3793	3771	2710	1711	1706	1760	2608	3691	35- 40	903.6	3783	33.2,33.2
45	3787	3943	2787	1631	1635	1684	2677	3875	40- 45	1020	4803	42.1,42.1
50	3724	4097	2836	1527	1512	1570	2732	4041	45- 50	1119	5922	51.9,51.9
55	3502	4202	2884	1388	1254	1418	2787	4167	50- 55	1192	7114	62.4,62.4
60	2837	4165	2932	1097	921.1	1108	2842	4216	55- 60	1215	8328	73,73
65	938.6	3889	2686	789.7	596.9	776.5	2649	4005	60- 65	1119	9447	82.8,82.8
70	210.2	2821	2440	504.3	184.3	485.1	2456	2969	65- 70	888.6	10336	90.6,90.6
75	120.9	1274	2193	276.5	130.6	273.4	2263	1366	70- 75	676.5	11013	96.5,96.5
80	68.61	134.4	0	85.34	90.14	94.67	0	149.4	75- 80	371.0	11384	99.8,99.8
85	16.42	0	0	0	28.69	0	0	0	80- 85	23.24	11407	100,100
90	3.320	0	0	0	5.278	0	0	0	85- 90	1.026	11408	100,100
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			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Table with 3 columns: NAME, TYPE, WEIGHT, DIM., SPEC., SERIAL No., MFR., SUR., PROTECTION ANGLE. Contains test data and product specifications.

Table with 17 columns: pcc, pw, pfc, RCR, and multiple columns for Coefficients of Utilization (CU) at various RCR values (0.0 to 10.0).



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

FOTOMETRÍA LUMINARIA LED
BRAZO FIJO | 100W

WEC AND CCEC

Table with 3 columns: NAME, TYPE, WEIGHT, DIM., SPEC., SERIAL No., MFR., SUR., PROTECTION ANGLE. Data includes: LUMINARIA LED BRAZO FIJO | 100W, TYPE: , WEIGHT: , DIM.: , SPEC.: , SERIAL No.: , MFR.: 01.SHIER/SHISan, SUR.: , PROTECTION ANGLE: .

Table with 7 columns: rho_cc, rho_w, rho_fc, RCR, Wall Exitance Coefficients (WEC). Data includes values for rho_cc (80%, 70%, 50%, 30%, 10%, 0), rho_w (50%, 30%, 10%), rho_fc (20%), RCR (RCR:Room Cavity Ratio), and Wall Exitance Coefficients (WEC) for various RCR values (0.0 to 10.0).

Table with 7 columns: rho_cc, rho_w, rho_fc, RCR, Ceiling Cavity Exitance Coefficients (CCEC). Data includes values for rho_cc (80%, 70%, 50%, 30%, 10%, 0), rho_w (50%, 30%, 10%), rho_fc (20%), RCR (RCR:Room Cavity Ratio), and Ceiling Cavity Exitance Coefficients (CCEC) for various RCR values (0.0 to 10.0).

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

FOTOMETRÍA LUMINARIA LED
BRAZO FIJO | 100W

Uncorrected UGR Table

Test:U:229.2V I:0.4223A P:93.66W PF:0.9678 Lamp Flux:11407.8x1 lm											
NAME: LUMINARIA LED BRAZO FIJO 100W					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.: 01.SHIER/SHISan					SUR.:			PROTECTION ANGLE:			
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 = 2H y = 2H	3H	33.0	34.7	33.3	34.9	35.1	34.2	35.9	34.5	36.1	36.3
	4H	33.0	34.5	33.3	34.8	35.0	37.0	38.5	37.3	38.8	39.0
	4H	32.9	34.4	33.2	34.6	34.9	38.3	39.8	38.6	40.0	40.3
	6H	32.8	34.2	33.1	34.5	34.7	38.5	39.9	38.9	40.2	40.5
	8H	32.7	34.1	33.1	34.4	34.7	38.5	39.8	38.8	40.1	40.4
12H	32.7	34.0	33.1	34.3	34.6	38.4	39.7	38.8	40.0	40.3	
4H	2H	34.4	35.9	34.7	36.1	36.4	35.4	36.9	35.8	37.2	37.4
	3H	34.5	35.8	34.8	36.1	36.4	38.6	39.9	38.9	40.2	40.5
	4H	34.4	35.6	34.8	35.9	36.2	40.3	41.5	40.7	41.8	42.1
	6H	34.3	35.3	34.7	35.7	36.1	40.6	41.6	41.0	42.0	42.4
	8H	34.3	35.2	34.7	35.6	36.0	40.6	41.5	41.0	41.9	42.3
12H	34.2	35.1	34.7	35.5	35.9	40.5	41.4	41.0	41.8	42.2	
8H	4H	35.4	36.4	35.8	36.8	37.1	40.4	41.4	40.8	41.7	42.1
	6H	35.4	36.2	35.8	36.6	37.0	40.8	41.6	41.3	42.0	42.4
	8H	35.3	36.0	35.8	36.5	36.9	40.8	41.5	41.2	41.9	42.4
	12H	35.3	35.9	35.8	36.3	36.8	40.7	41.3	41.2	41.8	42.3
12H	4H	35.5	36.4	35.9	36.8	37.2	40.3	41.2	40.8	41.6	42.0
	6H	35.5	36.2	35.9	36.6	37.0	40.8	41.5	41.2	41.9	42.4
	8H	35.4	36.0	35.9	36.5	37.0	40.8	41.3	41.2	41.8	42.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3					
1.5H	+ 1.2 / - 1.7					+ 0.4 / - 0.5					
2.0H	+ 0.8 / - 2.0					+ 1.0 / - 2.0					

CIE Pub.117 Corrected 11408 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.5)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

FOTOMETRÍA LUMINARIA LED
BRAZO FIJO | 100W

UTILIZATION FACTORS TABLE

Test:U:229.2V I:0.4223A P:93.66W PF:0.9678 Lamp Flux:11407.8x1 lm		
NAME: LUMINARIA LED BRAZO FIJO 100W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	PROTECTION ANGLE:

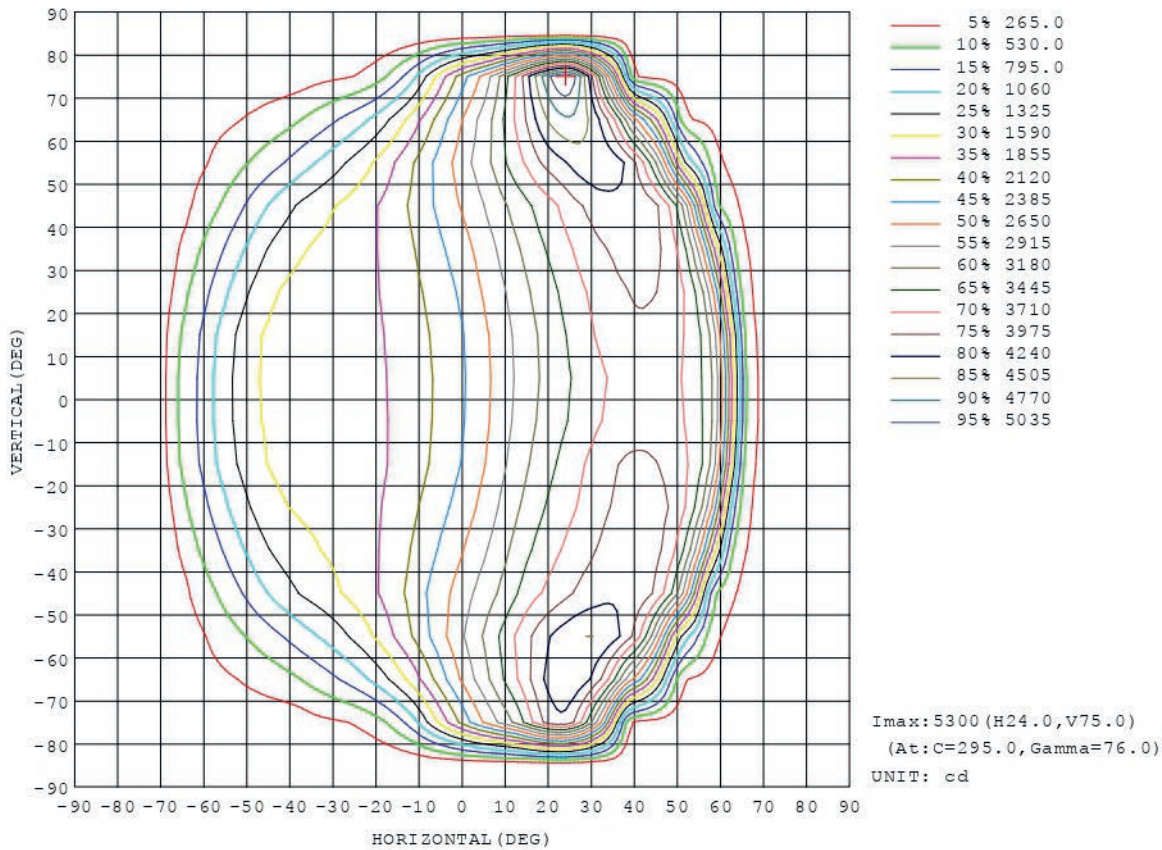
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	38	30	50	38	30	49	37	30	23
0.80	61	48	40	60	48	40	58	47	39	32
1.00	70	58	50	69	57	49	67	59	49	41
1.25	78	66	58	77	66	58	74	64	57	49
1.50	84	73	65	82	72	64	79	70	63	55
2.00	92	82	75	90	81	74	86	79	73	64
2.50	96	88	81	94	86	80	90	84	78	70
3.00	100	93	87	98	91	86	94	88	84	75
4.00	105	99	94	103	97	92	98	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.2V I:0.4223A P:93.66W PF:0.9678 Lamp Flux:11407.8x1 lm		
NAME: LUMINARIA LED BRAZO FIJO 100W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	PROTECTION ANGLE:

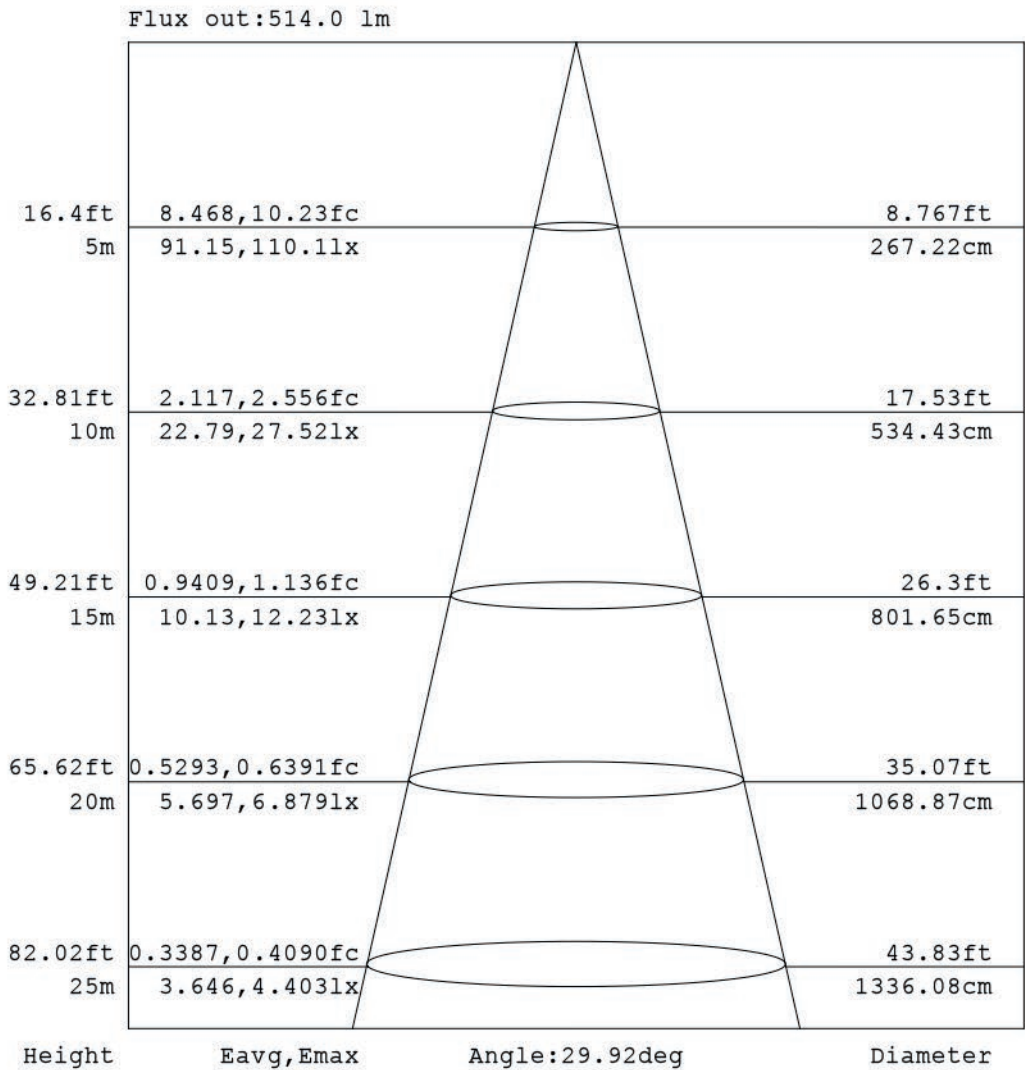


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

AAI Figure

Test:U:229.2V I:0.4223A P:93.66W PF:0.9678 Lamp Flux:11407.8x1 lm		
NAME: LUMINARIA LED BRAZO FIJO 100W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	PROTECTION ANGLE:



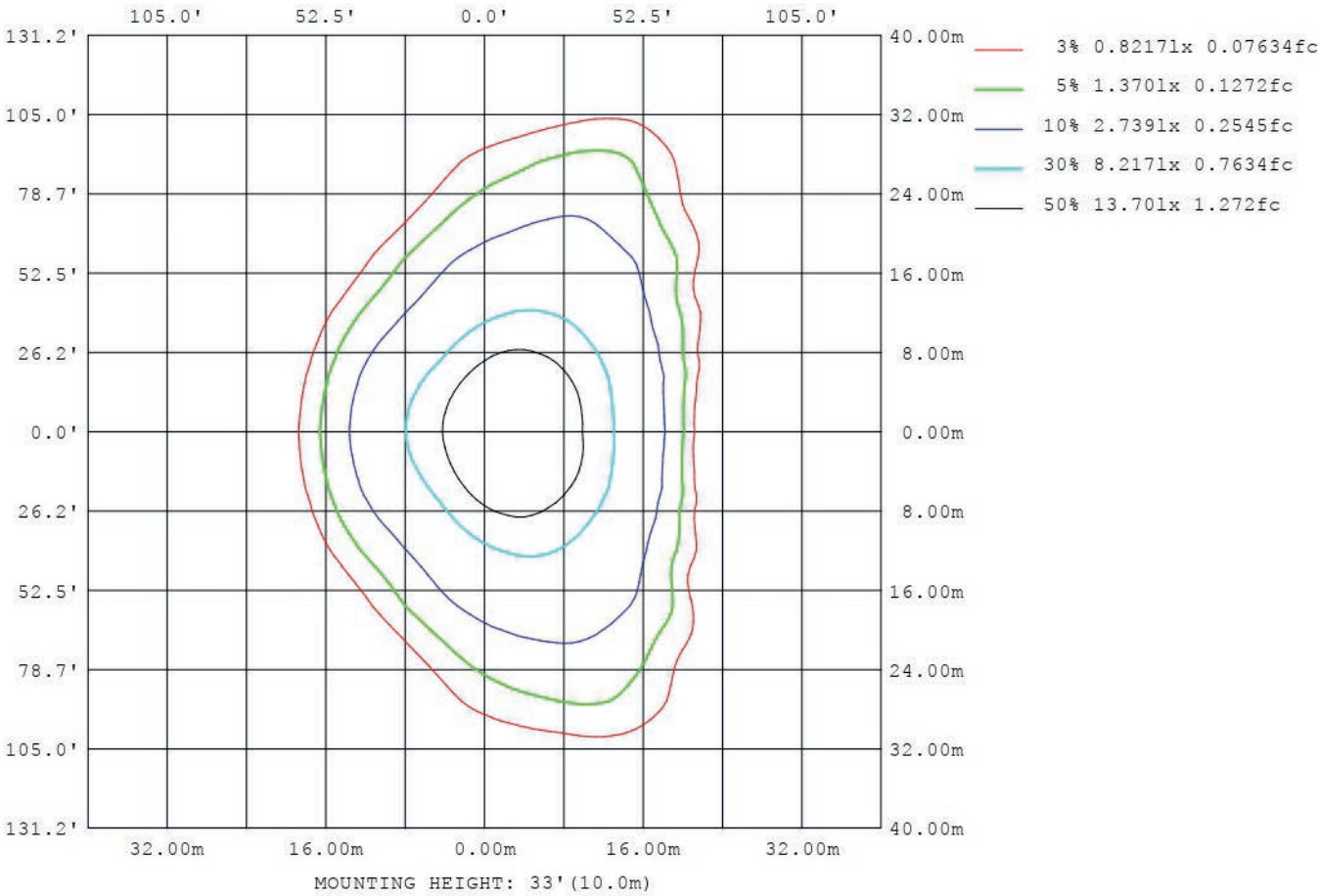
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

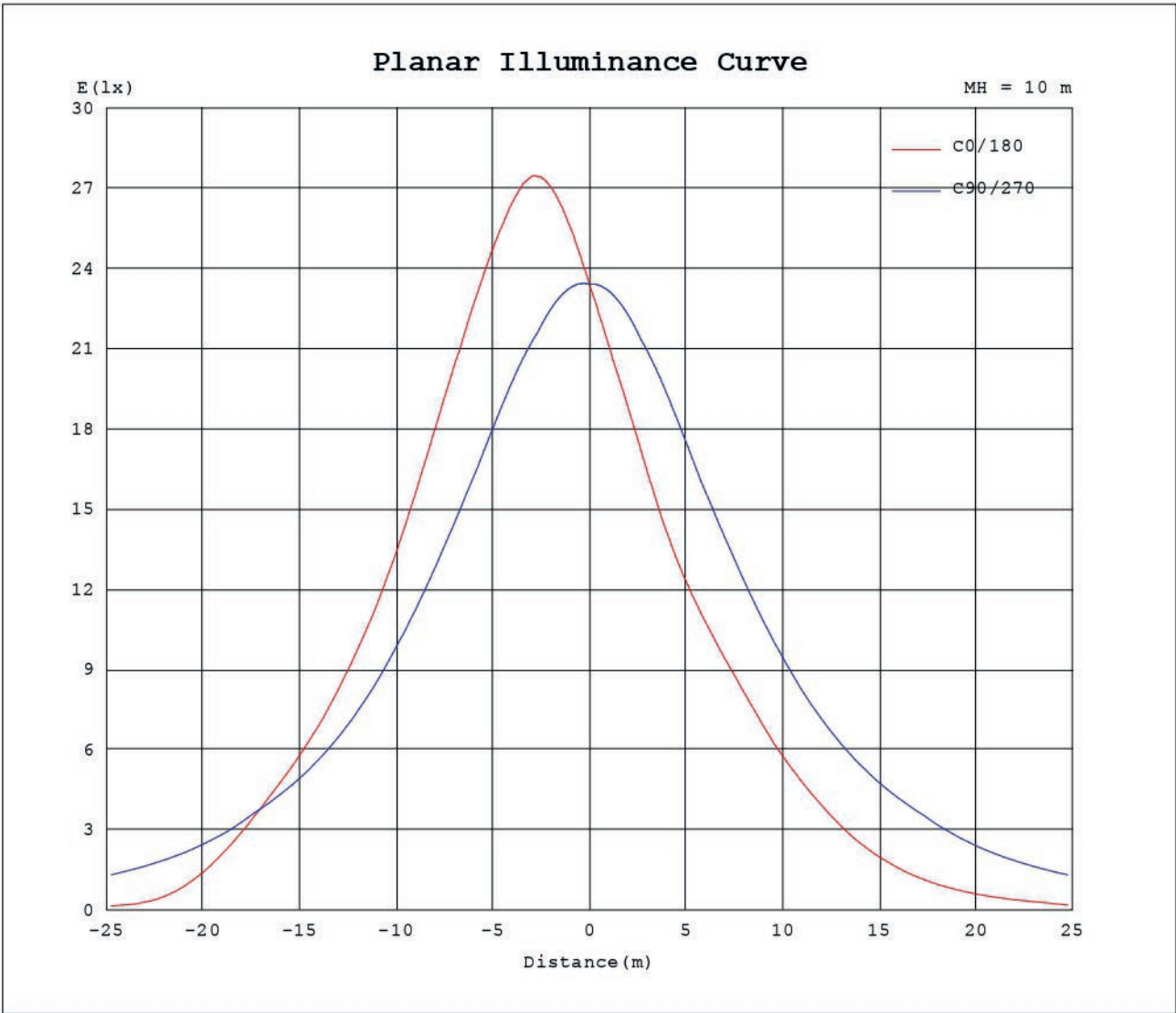
Test:U:229.2V I:0.4223A P:93.66W PF:0.9678 Lamp Flux:11407.8x1 lm		
NAME: LUMINARIA LED BRAZO FIJO 100W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

FOTOMETRÍA LUMINARIA LED
BRAZO FIJO | 100W

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, DIM., SPEC., SERIAL No., MFR., SUR., PROTECTION ANGLE. Contains technical specifications for the luminaire.

Table with 20 columns (0-90 degrees) and 20 rows (0-90 degrees). Unit: cd. Contains luminous intensity data for various angles.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

FOTOMETRÍA LUMINARIA LED
BRAZO FIJO | 100W

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, DIM., SPEC., SERIAL No., MFR., SUR., PROTECTION ANGLE. Contains technical specifications for the luminaria.

Table with 20 columns (C in degrees) and 20 rows (gamma in degrees). UNIT: cd. Contains luminous intensity data for various angles.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

FOTOMETRÍA LUMINARIA LED
BRAZO FIJO | 100W

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, DIM., SPEC., SERIAL No., MFR., SUR., PROTECTION ANGLE. Data includes: NAME: LUMINARIA LED BRAZO FIJO | 100W, TYPE: , WEIGHT: , DIM.: , SPEC.: , SERIAL No.: , MFR.: 01.SHIER/SHISan, SUR.: , PROTECTION ANGLE: .

Table with 20 columns (C(190-280) and 19 rows (gamma(0-90)). Data represents luminous intensity values in cd. Includes a caption 'Table--3' and 'UNIT: cd'.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test system:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, DIM., SPEC., SERIAL No., MFR., SUR., PROTECTION ANGLE. Data includes test parameters like U:229.2V, I:0.4223A, P:93.66W, PF:0.9678, Lamp Flux:11407.8x1 lm.

Table with 18 columns (C (DEG) and 17 values) and 20 rows (gamma (DEG) from 0 to 90). Data represents luminous intensity distribution values in cd.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-07
gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks: