



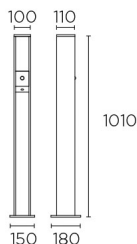
TWO-LIGHT Bollard

Designer: Benedito Design

Description

Bollard IP65 TWO-LIGHT E27 23W Urban grey 220lm

	Finish	Material
Structure	Urban grey	Aluminium
Diffuser	Matt	Polycarbonate



TECHNICAL CHARACTERISTICS

Light source

Lampholder: 1 x E27
 Light source power (W): MAX 23W
 Luminaire total power (W): 24W
 Lamp maximum dimension: 180/ mm
 Real Lumen: 220
 Quantity: 1
 Lm/Real W: 9
 Life Time: 50.000h L70B30
 MacAdam steps: 2
 Recommended lamp: E27

GEAR

Gear included: Yes, electronic
 Voltage / Frequency:
 220-240VAC/50-60Hz

Luminaire

Double cable exit: No
 Drainage: No
 Uv Protection: Yes
 Warranty: 2 Years

Light source

Light source: LED CREE
 Light source power (W): 1W
 Luminaire total power (W): 24W
 Color temperature: LED warm-white
 3000K
 Photobiological risk: RG1
 Real Lumen: 220
 Qty Leds: 1
 Lm/Real W: 9
 Life Time: 50.000h L70B30
 Bin / Grup: 7C1-7B4
 MacAdam steps: 3

Logistics

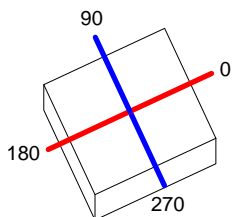
Energy Efficiency: A++
 EAN Code: 8435381412760
 Net Weight (Kg): 4.53
 Weight in Kg (packaged): 5.66
 Packing: 180 x 160 x 1060
 Masterbox: 2

The photograph may not match the reference exactly. Please read the product description to identify the finish.

Luminaire		Measur.		Lamp		
Code	55-9775-Z5-CD	Code	55-9775-Z5-CD	Code	-	
Name	Baliza TWO-LIGHT 1W + 23W E27	Name	Baliza TWO-LIGHT 1W + 23W E27	Number	2	
Line	Eulumdat	Date	16-09-2014	Position		
Efficiency	14.31%	Coordinate system	CG	Total Flux	1537.46 lm	
Maximum value	338.20 cd	Position	C=90.00 G=25.00	Sym. on planes	270-90	
Rectangular Luminaire	Length	100 mm	Width	110 mm	Height	1010 mm
Round Luminous Area	Diam.	80 mm	Height	140 mm		
Horizontal Luminous Area	0.005027 m2		Emitting area on Plane 180°	0.022400 m2		
Emitting area on Plane 0°	0.022400 m2		Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2		Glare area at 76°	0.022951 m2		
Symmetry Type	Sym. on planes 270-90		Maximum Gamma Angle	180		
Measurement Distance	0.00		Measurement Flux	1537.46 lm		
Operator	Asselum T2		Source voltage			
Temperature	25.00 °C		Source current			
Humidity	60.00 %		Photocell			
Notes						

Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
Eulumdat	-	Name	--	12.00	2	
C.I.E.	38 56 77 59 14	D DIN 5040	C21	768.73	12.00	2
F UTE	0.08 H + 0.06 T	B NBN	BZ 6 / 2 / BZ 7			

100mm x 110mm



C Halfplanes

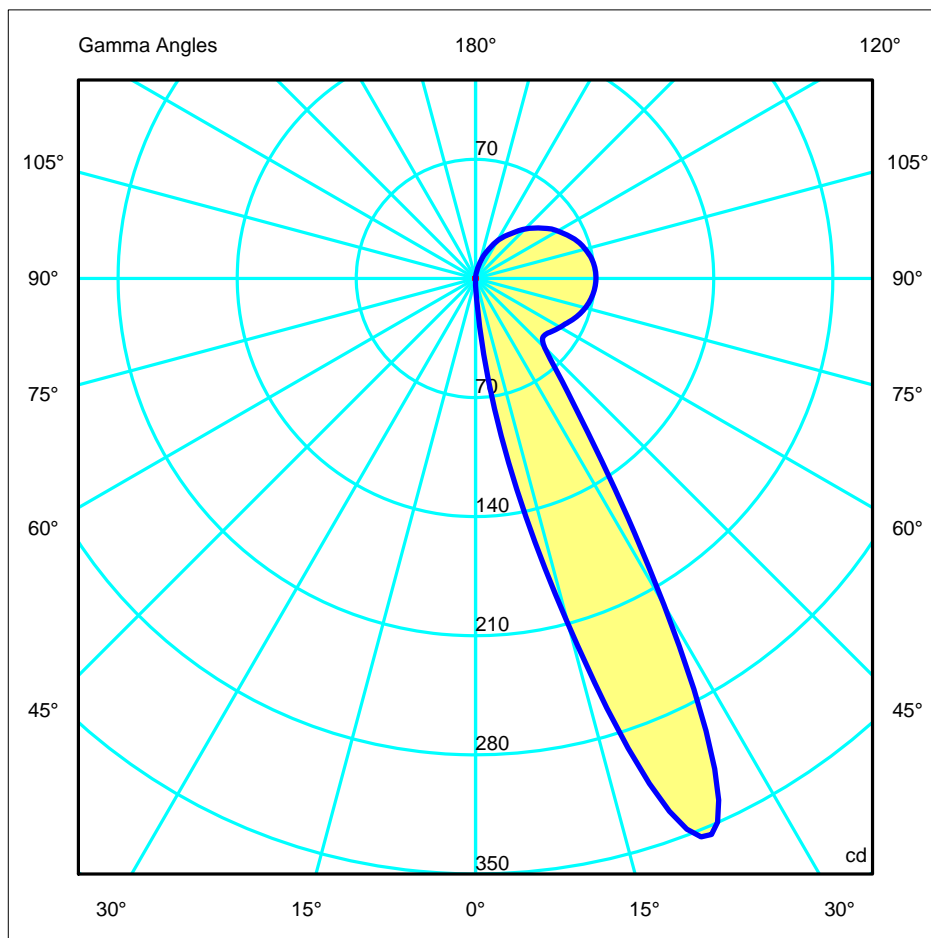
270.0 ———— 0.0

180.0 ———— 90.0

ULOR 5.91 %

DLOR 8.40 %

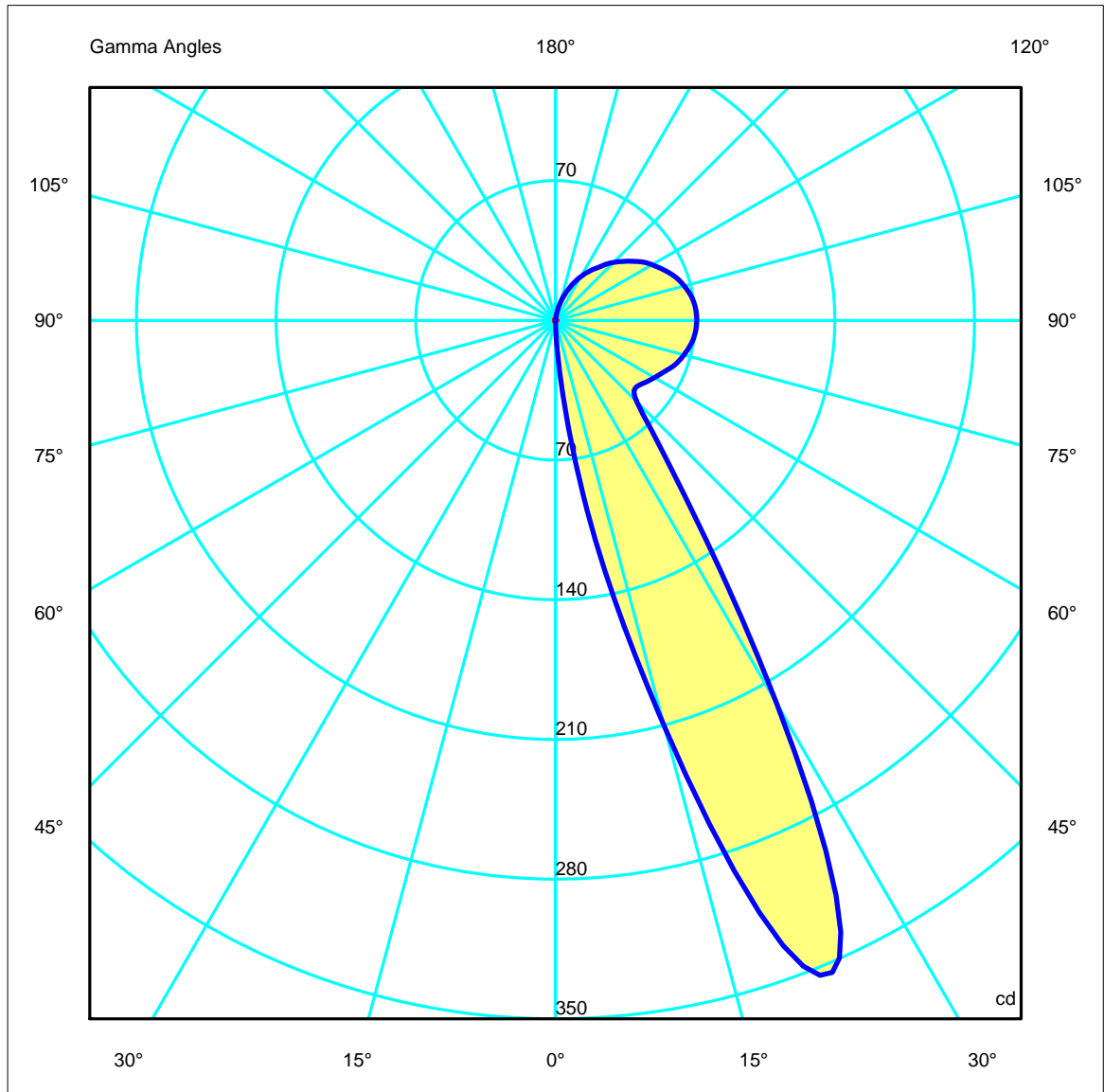
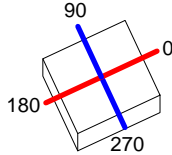
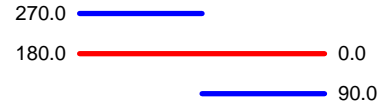
RN 41.30 %



Luminaire		Measur.		Lamp	
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Line	Eulumdat	Date	16-09-2014	Position	
Efficiency	14.31%	Coordinate system	CG	Total Flux	1537.46 lm

100mm x 110mm

C Halfplanes



Luminaire		Measurem.		Lamp	
Code	55-9775-Z5-CD	Code	55-9775-Z5-CD	Code	-
Name	Baliza TWO-LIGHT 1W + 23W E27	Name	Baliza TWO-LIGHT 1W + 23W E27	Number	2
Line	Eulmdat	Date	16-09-2014	Position	

Efficiency	14.31%	Coordinate system	CG	Total Flux	1537.46 lm
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Gamma 0-180 beyond limit of 89 degrees

Luminaire

Code 55-9775-Z5-CD
 Name Baliza TWO-LIGHT 1W + 23W E27
 Line Eulumdat

Measuram.

Code 55-9775-Z5-CD
 Name Baliza TWO-LIGHT 1W + 23W E27
 Date 16-09-2014

Lamp

Code -
 Number 2
 Position

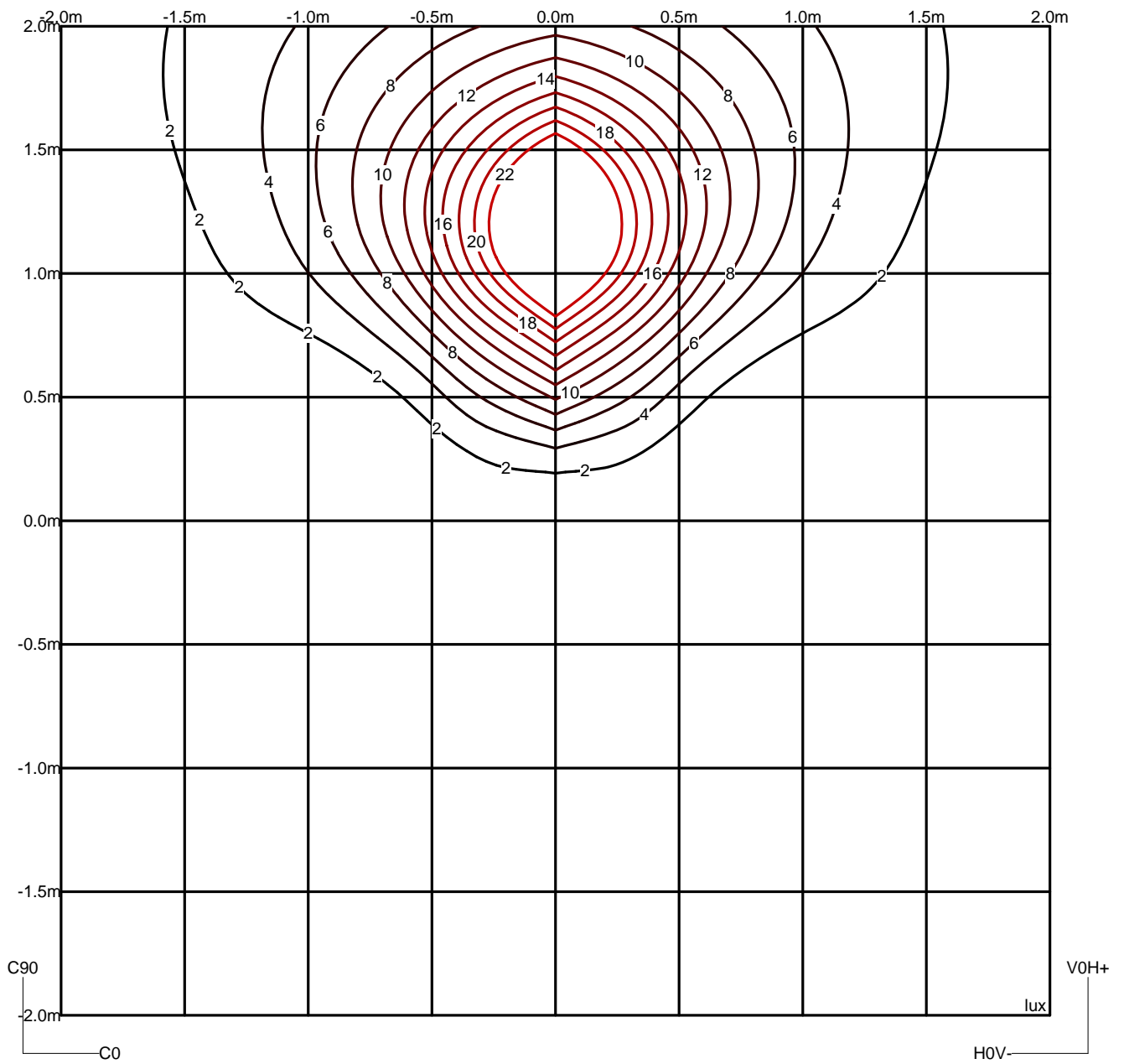
Efficiency 14.31%

Coordinate system CG

Total Flux 1537.46 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire

Code 55-9775-Z5-CD
 Name Baliza TWO-LIGHT 1W + 23W E27
 Line Eulumdat

Measur.

Code 55-9775-Z5-CD
 Name Baliza TWO-LIGHT 1W + 23W E27
 Date 16-09-2014

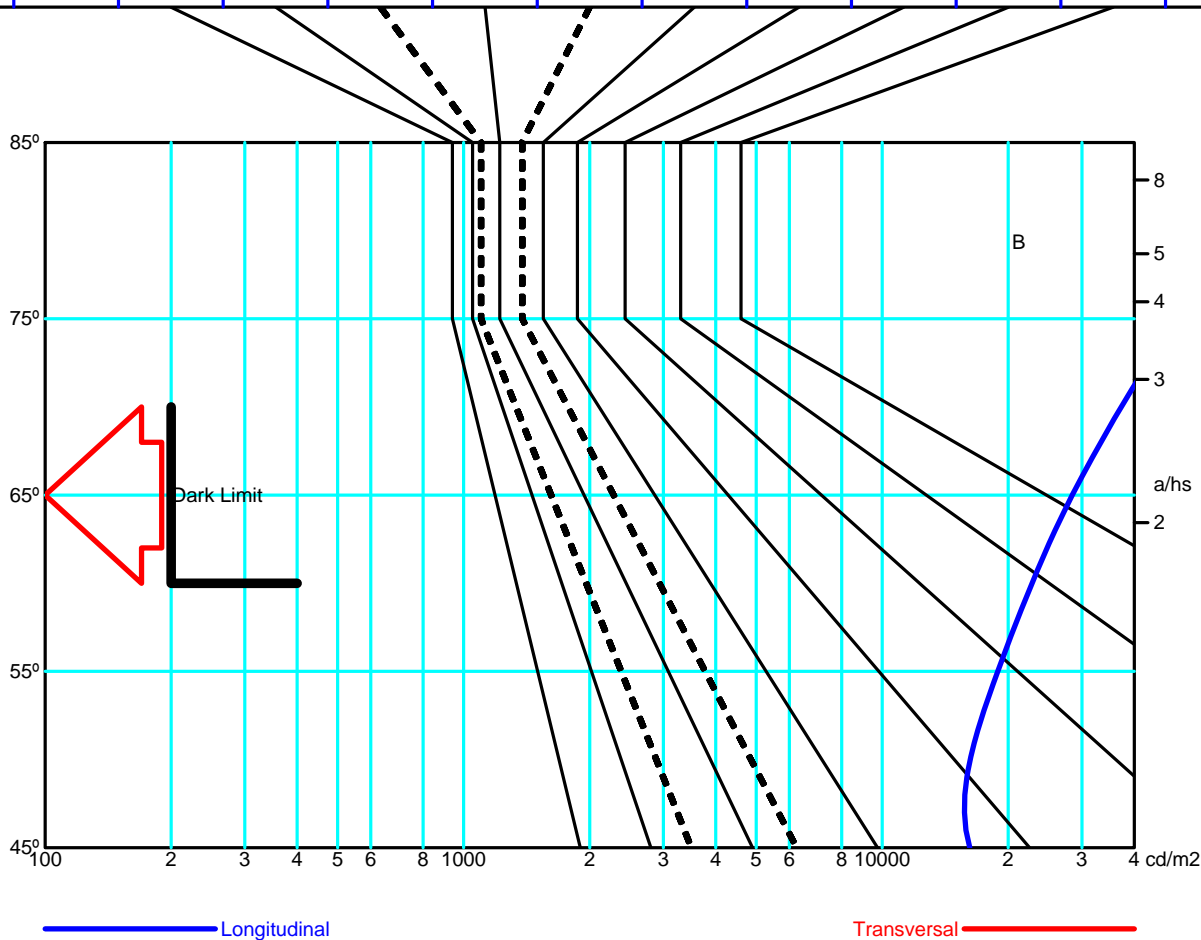
Lamp

Code -
 Number 2
 Position

Efficiency 14.31% Coordinate system CG Total Flux 1537.46 lm

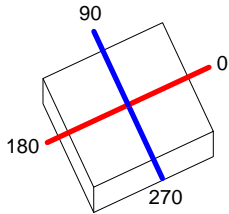
		Average Luminance [cd/m ²]										
		0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
		14	16	20	23	20	16	13	14	18	---	
90.0°		16181	16223	18878	22790	28446	37279	51195	78928	160380	---	

Flush mounted or transversal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300				1.15	
B	1		2000	1500	1000	750	500	<300			1.5	
C					2000		1000	500	<300		1.85	
D	2						2000	1000	500	<300	2.2	
E	3							2000	1000	500	<300	2.55

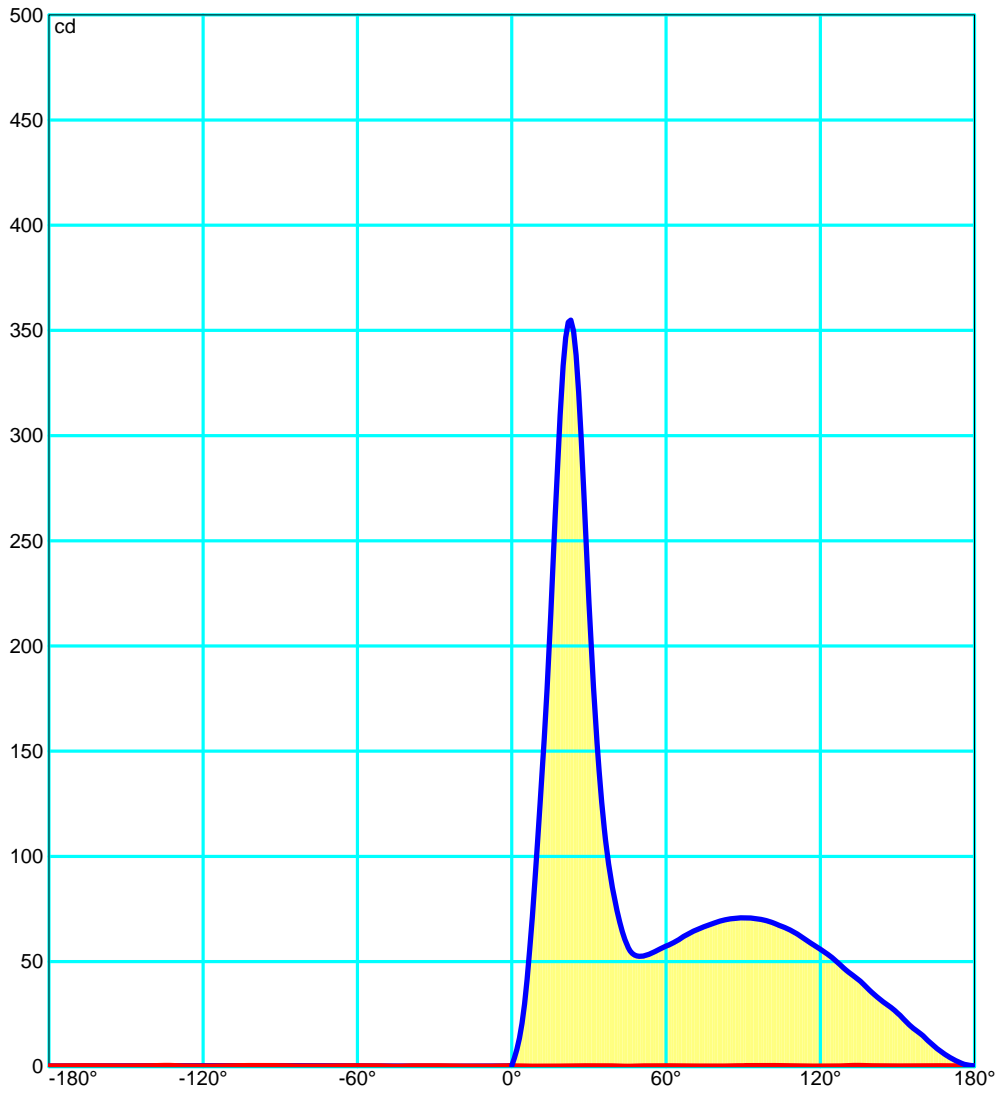


Luminaire		Measur.		Lamp	
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Name	Baliza TWO-LIGHT 1W + 23W E27	Name	Baliza TWO-LIGHT 1W + 23W E27	Number	2
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Efficiency	14.31%	Coordinate system	CG	Total Flux	1537.46 lm

100mm x 110mm



C Halfplanes
 270.0 ————
 180.0 ———— 0.0
 ———— 90.0



Luminaire		Measur.		Lamp	
Code	55-9775-Z5-CD	Code	55-9775-Z5-CD	Code	-
Name	Baliza TWO-LIGHT 1W + 23W E27	Name	Baliza TWO-LIGHT 1W + 23W E27	Number	2
Line	Eulumdat	Date	16-09-2014	Position	
Efficiency	14.31%	Coordinate system	CG	Total Flux	1537.46 lm

UGR
S = 0.250

Reflectancies										
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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=6H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=8H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=12H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=4H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=6H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=8H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=12H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=8H y=4H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=8H y=6H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=8H y=8H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=8H y=12H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=12H y=4H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=12H y=6H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=12H y=8H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0

Luminaire

Code 55-9775-Z5-CD
 Name Baliza TWO-LIGHT 1W + 23W E27
 Line Eulumdat

Measuram.

Code 55-9775-Z5-CD
 Name Baliza TWO-LIGHT 1W + 23W E27
 Date 16-09-2014

Lamp

Code -
 Number 2
 Position

Efficiency 14.31% Coordinate system CG Total Flux 1537.46 lm

Total Flux=1537.46 Luminaire Flux=219.98

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.27	0.32	0.36	0.41	0.46	0.53	0.58	0.62	0.68	0.72	0.83	0.90
RC	6	7	7	7	8	8	8	8	8	8	8	8

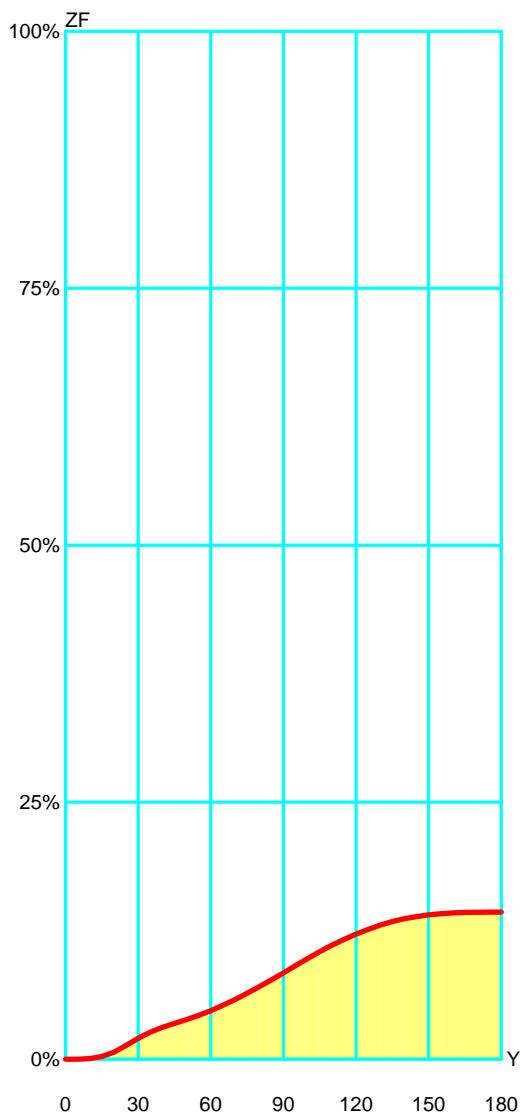
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	1	7	20	31	39	47	58	70	84	98	111	122	130	137	140	142	143	143

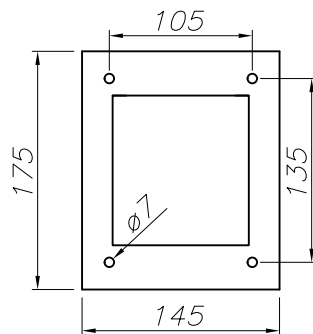
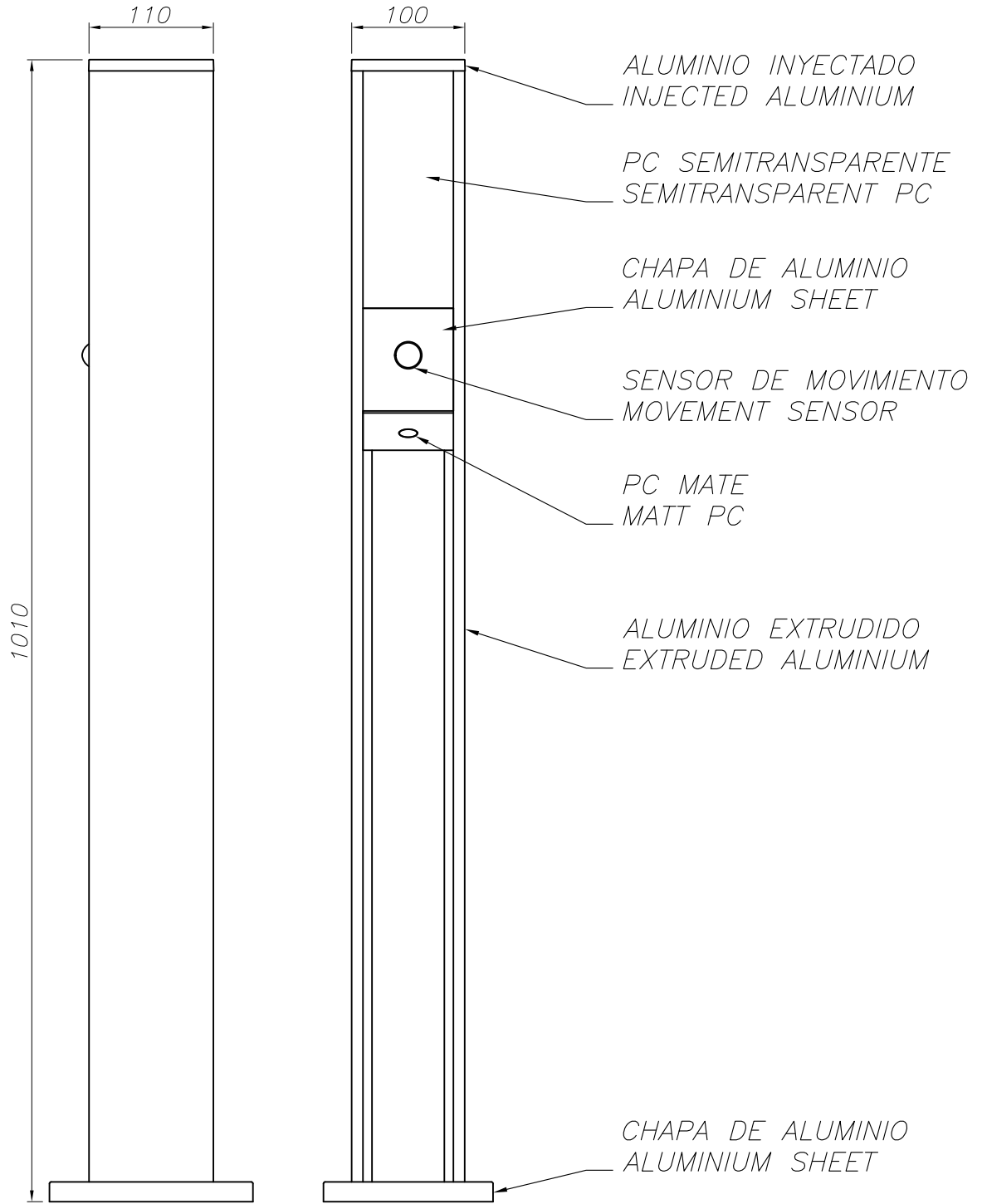
CIE Flux Codes

38 56 77 59 14

C.I.E.	6/7/7/7/8/8/8/8/8/8	LOR	14.30790 %
D DIN 5040	C21	ULOR	5.90871 %
F UTE	0.08 H + 0.06 T	DLOR	8.39920 %
B NBN	BZ 6 / 2 / BZ 7	UFF	41.29680 %
RN	41.29680 %	DFF	58.70320 %
BLF	1.0	FFR	70.34848 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.06	0.06	0.05 %	0.05 %
10°	0.64	0.70	0.44 %	0.49 %
15°	2.00	2.70	1.40 %	1.89 %
20°	4.23	6.93	2.96 %	4.84 %
25°	6.46	13.39	4.51 %	9.36 %
30°	6.97	20.36	4.87 %	14.23 %
35°	5.90	26.26	4.13 %	18.35 %
40°	4.67	30.92	3.26 %	21.61 %
45°	3.90	34.83	2.73 %	24.34 %
50°	3.75	38.57	2.62 %	26.96 %
55°	4.08	42.65	2.85 %	29.81 %
60°	4.62	47.27	3.23 %	33.04 %
65°	5.18	52.45	3.62 %	36.66 %
70°	5.67	58.12	3.96 %	40.62 %
75°	6.03	64.15	4.22 %	44.84 %
80°	6.33	70.49	4.43 %	49.26 %
85°	6.62	77.10	4.62 %	53.89 %
90°	6.89	83.99	4.82 %	58.70 %
95°	7.05	91.04	4.93 %	63.63 %
100°	6.95	97.99	4.86 %	68.49 %
105°	6.64	104.63	4.64 %	73.13 %
110°	6.19	110.82	4.33 %	77.45 %
115°	5.69	116.51	3.98 %	81.43 %
120°	5.19	121.70	3.62 %	85.06 %
125°	4.66	126.36	3.26 %	88.31 %
130°	4.08	130.44	2.85 %	91.16 %
135°	3.44	133.88	2.40 %	93.57 %
140°	2.78	136.65	1.94 %	95.51 %
145°	2.16	138.81	1.51 %	97.02 %
150°	1.62	140.44	1.14 %	98.15 %
155°	1.17	141.60	0.81 %	98.97 %
160°	0.77	142.37	0.54 %	99.51 %
165°	0.44	142.81	0.31 %	99.81 %
170°	0.20	143.01	0.14 %	99.95 %
175°	0.06	143.07	0.04 %	99.99 %
180°	0.01	143.08	0.01 %	100.00 %



PLANTILLA DE INSTALACION
INSTALLATION TEMPLATE

