

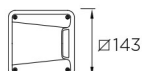
## Rexel 4 LEDS Bollard

Designer: Francesc Vilaró

**Description**

Bollard IP65/IP67 Rexel 4 LEDS LED 2.1W 3000K Urban grey 139lm

	Finish	Material
<b>Structure</b>	Urban grey	Aluminium
<b>Diffuser</b>	Transparent	Methacrylate



 IP65/IP67 IK10
  FLOOD 46°
  0° a 15°
  12

**TECHNICAL CHARACTERISTICS****Light source**

Light source: LED CREE  
 Light source power (W): 2.1W  
 Luminaire total power (W): 3.4W  
 Color temperature: LED warm-white  
 3000K  
 CRI: 80  
 Photobiological risk: RG2  
 Real Lumen: 139  
 Qty Leds: 2  
 Lm/Real W: 41  
 Life Time: 50.000h L80B20  
 Bin / Grup: 7C1 o 7B4  
 MacAdam steps: 3  
 UGR: 18.0

**GEAR**

Gear included: Yes, electronic  
 Voltage / Frequency:  
 100-240V/50-60Hz  
 Power Factor: 0.42

**Luminaire**

Double cable exit: No  
 Drainage: No  
 Uv Protection: Yes  
 Warranty: 5 Years

**Logistics**

Energy Efficiency: LED A++  
 EAN Code: 8435381439187  
 Net Weight (Kg): 0.54  
 Weight in Kg (packaged): 0.63  
 Packing: 150 x 60 x 150  
 Masterbox: 12

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

**Luminaire**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

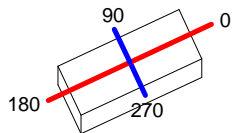
**Measur.**

Code 55-9883-Z5-CL  
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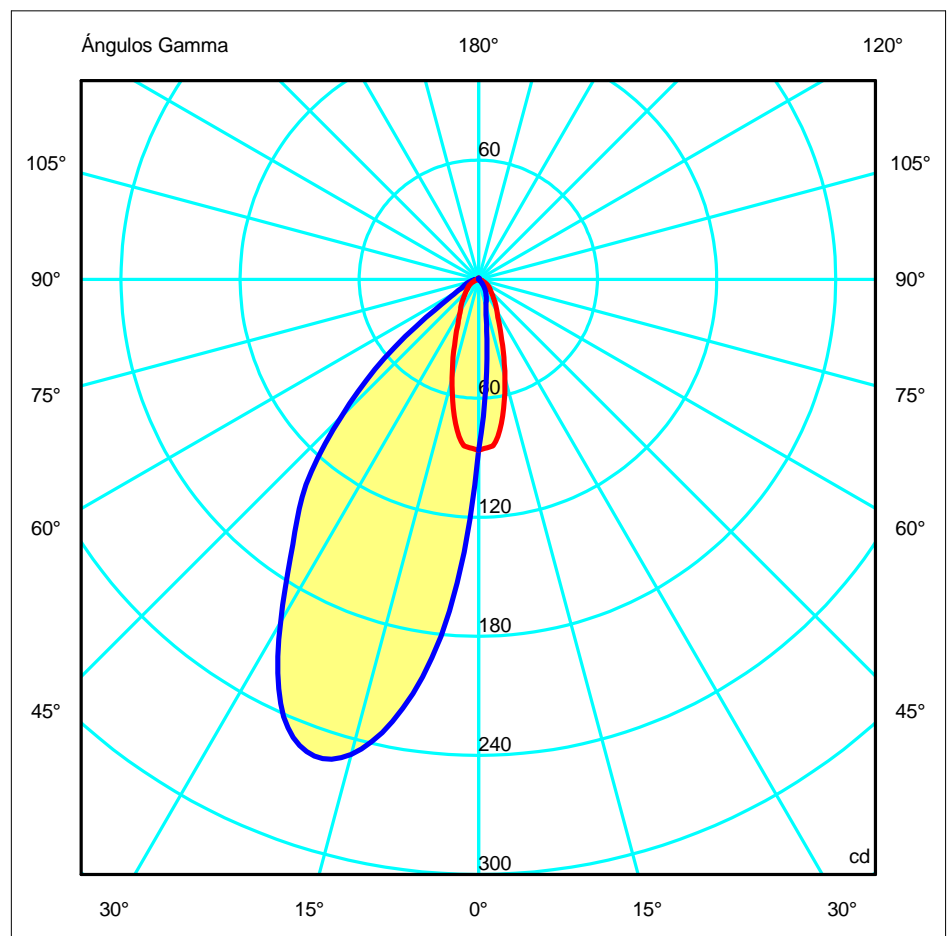
Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG Sym. on planes 270-90	
Rectangular Luminaire		Length	58 mm	Width	143 mm	Height	143 mm
Rectangular Luminous Area		Length	20 mm	Width	50 mm	Height	0 mm
Horizontal Luminous Area		0.001000 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.000242 m2	
Coordinate system		CG		Symmetry Type		Sym. on planes 270-90	
Date		04-10-2016		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		139.11 lm	
Operator		Asselum T2		Source voltage		230.00 V	
Temperature		25.00 °C		Source current			
Humidity		59.00 %		Photocell		Prc	
Notes							

Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
- LEDS C4 LEDS	55-9883-Z5-CL	Name Lámpara leds 2.1W	139.11	3.00	1
C.I.E.	76 95 99 98 100	D DIN 5040	A61		
F UTE	0.98 B + 0.02 T	B NBN	BZ 1 / 2.5 / BZ 2		

58mm x 143mm



ULOR 1.52 %  
DLOR 98.48 %  
RN 1.52 %



**Luminaire**

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**Measurerm.**

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**Luminous Intensity Table cd Table 1/1**

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11
G 5.0	167.77	139.52	158.32	123.70	118.26	95.71	84.20	63.64	61.87	44.37	52.50	35.99	46.63
G 10.0	219.62	200.93	197.92	158.65	131.20	96.85	69.94	43.38	37.75	23.66	25.30	19.06	23.18
G 15.0	247.89	236.54	221.89	179.55	129.46	85.47	51.56	29.40	23.59	16.27	16.14	13.24	14.49
G 20.0	253.33	243.63	218.18	179.04	111.65	67.55	35.38	20.95	17.90	12.83	12.02	10.59	11.37
G 25.0	235.91	229.82	196.69	158.24	84.08	46.81	24.46	16.25	15.01	10.69	10.01	8.63	9.10
G 30.0	199.43	204.23	168.25	129.27	56.66	30.64	18.38	12.28	11.62	8.44	7.93	6.49	7.13
G 35.0	163.13	173.94	131.87	91.33	35.09	20.18	14.74	10.06	8.84	6.83	6.04	4.38	4.79
G 40.0	135.15	138.40	95.90	62.09	22.05	14.68	11.39	8.18	7.06	4.73	3.87	2.56	3.04
G 45.0	97.61	102.47	56.57	35.77	15.33	11.68	8.98	6.82	5.73	3.05	2.37	1.19	1.42
G 50.0	61.86	62.72	33.46	22.30	11.87	9.71	7.43	5.48	4.34	1.55	1.00	0.28	0.40
G 55.0	26.99	35.13	19.16	16.01	9.62	8.13	6.14	4.16	2.72	0.61	0.27	0.22	0.21
G 60.0	12.80	16.12	12.91	12.17	7.96	6.81	4.66	2.57	1.21	0.23	0.19	0.18	0.17
G 65.0	8.25	9.75	8.48	9.12	6.63	5.39	3.07	1.43	0.40	0.19	0.16	0.17	0.13
G 70.0	6.56	7.13	6.22	7.00	5.08	3.77	1.94	0.55	0.21	0.17	0.15	0.17	0.13
G 75.0	4.49	5.33	4.29	4.96	3.38	2.55	0.95	0.21	0.19	0.17	0.15	0.17	0.17
G 80.0	3.03	3.43	2.70	3.14	1.92	1.38	0.45	0.17	0.21	0.21	0.19	0.19	0.17
G 85.0	1.83	2.24	1.62	1.72	0.80	0.67	0.19	0.19	0.21	0.21	0.19	0.19	0.17
G 90.0	0.95	1.19	0.70	0.75	0.25	0.20	0.19	0.21	0.23	0.23	0.21	0.23	0.18
G 95.0	0.21	0.40	0.21	0.21	0.17	0.17	0.21	0.24	0.26	0.26	0.26	0.26	0.21
G100.0	0.21	0.21	0.19	0.19	0.17	0.17	0.21	0.26	0.28	0.28	0.28	0.28	0.26
G105.0	0.17	0.19	0.17	0.17	0.17	0.17	0.21	0.28	0.29	0.32	0.32	0.32	0.30
G110.0	0.17	0.17	0.17	0.17	0.17	0.17	0.22	0.32	0.32	0.36	0.36	0.38	0.34
G115.0	0.13	0.15	0.14	0.17	0.17	0.19	0.24	0.33	0.38	0.41	0.40	0.43	0.38
G120.0	0.17	0.15	0.15	0.17	0.19	0.20	0.26	0.38	0.41	0.44	0.43	0.47	0.44
G125.0	0.16	0.17	0.15	0.18	0.21	0.23	0.29	0.41	0.45	0.48	0.47	0.53	0.51
G130.0	0.17	0.17	0.17	0.21	0.23	0.24	0.32	0.45	0.49	0.52	0.53	0.57	0.56
G135.0	0.17	0.17	0.19	0.21	0.26	0.28	0.36	0.49	0.52	0.53	0.56	0.62	0.60
G140.0	0.17	0.20	0.21	0.25	0.30	0.32	0.40	0.51	0.56	0.58	0.61	0.62	0.64
G145.0	0.26	0.21	0.24	0.27	0.34	0.36	0.44	0.51	0.56	0.60	0.62	0.64	0.64
G150.0	0.26	0.26	0.29	0.32	0.38	0.41	0.47	0.53	0.58	0.61	0.62	0.64	0.64
G155.0	0.34	0.31	0.33	0.38	0.43	0.45	0.51	0.57	0.58	0.60	0.60	0.61	0.63
G160.0	0.38	0.35	0.41	0.43	0.47	0.49	0.53	0.56	0.58	0.58	0.58	0.56	0.60
G165.0	0.47	0.43	0.45	0.47	0.51	0.51	0.56	0.53	0.56	0.53	0.56	0.56	0.56
G170.0	0.51	0.47	0.51	0.51	0.53	0.53	0.56	0.53	0.55	0.53	0.53	0.56	0.56
G175.0	0.56	0.51	0.53	0.53	0.53	0.53	0.56	0.53	0.53	0.54	0.53	0.56	0.56
G180.0	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55

**Luminaire**

Code 55-9883-Z5-CL  
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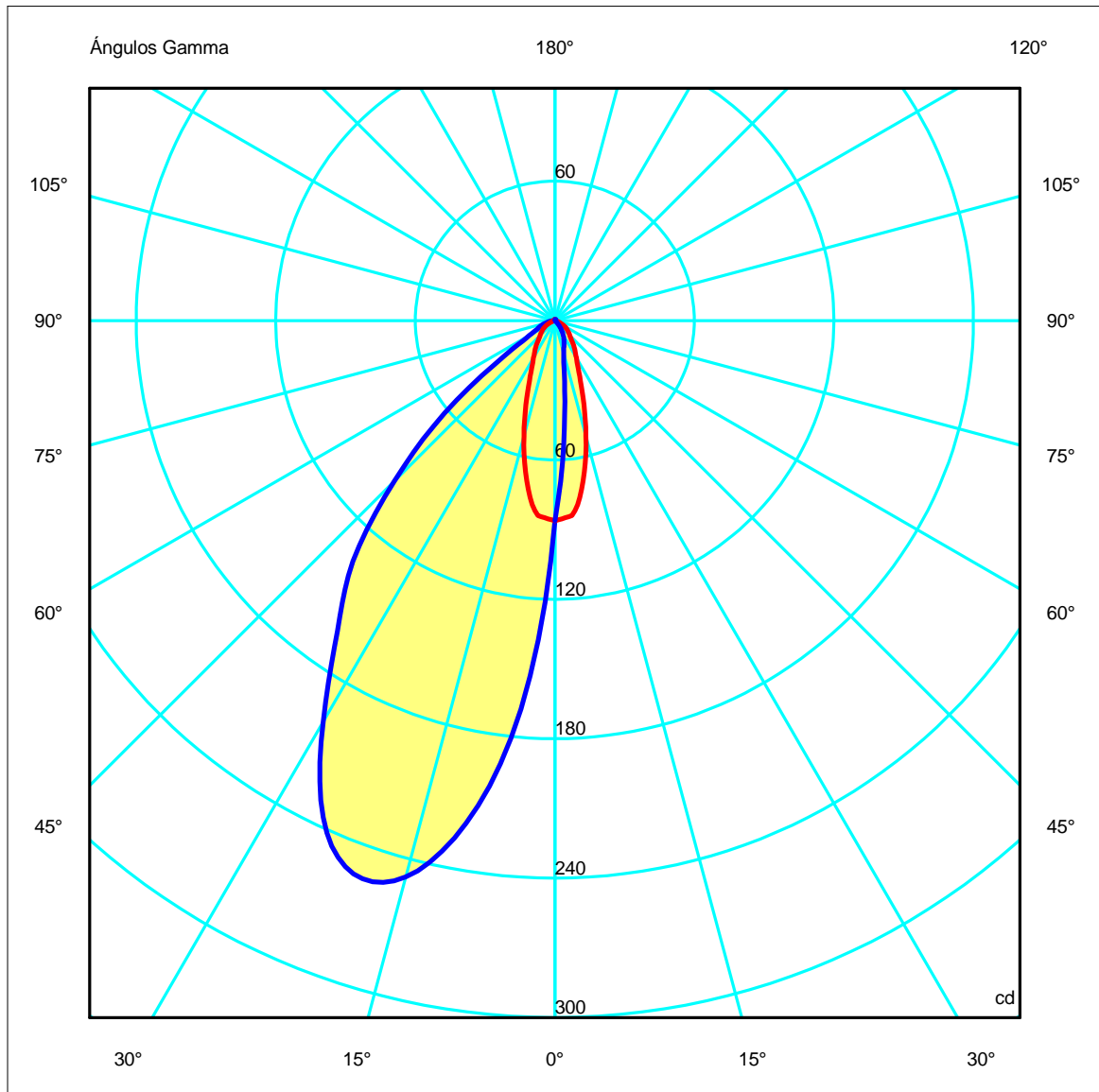
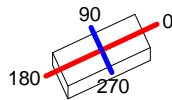
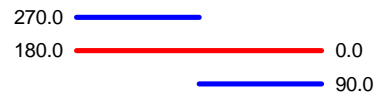
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58mm x 143mm

Semiplanos C



**Luminaire**

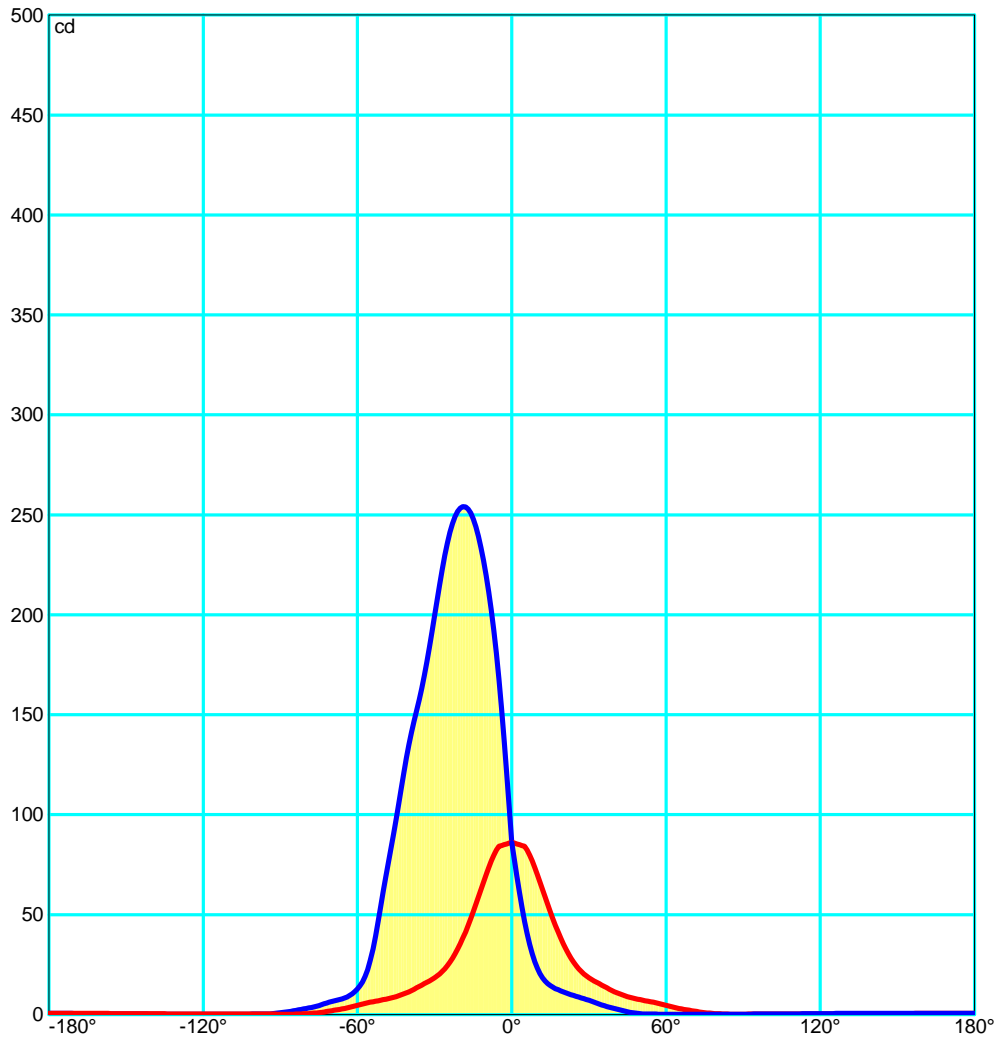
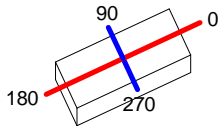
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**UGR**  
S = 0.250

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	18.0	18.9	18.3	19.2	30.3	28.9	29.9	29.2	30.1	30.3
x=2H y=3H	18.6	19.4	18.9	19.7	30.4	29.0	29.9	29.4	30.1	30.4
x=2H y=4H	18.8	19.5	19.1	19.8	30.5	29.1	29.9	29.4	30.2	30.5
x=2H y=6H	18.8	19.5	19.2	19.8	30.5	29.2	29.9	29.5	30.2	30.5
x=2H y=8H	18.8	19.5	19.2	19.8	30.5	29.2	29.9	29.6	30.2	30.5
x=2H y=12H	18.8	19.4	19.2	19.8	30.6	29.2	29.9	29.6	30.2	30.6
x=4H y=2H	19.1	19.9	19.4	20.2	30.2	28.8	29.6	29.2	29.9	30.2
x=4H y=3H	19.9	20.6	20.3	20.9	30.3	29.0	29.7	29.4	30.0	30.3
x=4H y=4H	20.2	20.8	20.6	21.1	30.5	29.2	29.7	29.6	30.1	30.5
x=4H y=6H	20.3	20.8	20.8	21.2	30.6	29.3	29.8	29.7	30.2	30.6
x=4H y=8H	20.4	20.8	20.8	21.2	30.7	29.4	29.8	29.8	30.2	30.7
x=4H y=12H	20.4	20.8	20.8	21.2	30.8	29.5	29.9	29.9	30.3	30.8
x=8H y=4H	20.8	21.2	21.2	21.6	30.4	29.1	29.6	29.6	30.0	30.4
x=8H y=6H	21.0	21.4	21.5	21.8	30.6	29.3	29.7	29.8	30.1	30.6
x=8H y=8H	21.1	21.4	21.6	21.9	30.8	29.5	29.8	30.0	30.3	30.8
x=8H y=12H	21.2	21.4	21.7	21.9	30.9	29.6	29.9	30.1	30.4	30.9
x=12H y=4H	20.8	21.2	21.3	21.7	30.4	29.1	29.5	29.6	29.9	30.4
x=12H y=6H	21.2	21.5	21.7	22.0	30.6	29.3	29.6	29.8	30.1	30.6
x=12H y=8H	21.3	21.6	21.9	22.1	30.8	29.5	29.7	30.0	30.2	30.8

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## Utilizations CIE

Mounting	Direct	Normalization										Normalised										Suspension Ratio/3										Standard CIE Settings															
Ceiling																																															
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	198	178	139	125	169	120	111	95	77	66	48	36	27	19	61	39	34	22	18	33	19	16	6	
0.60	231	212	147	136	201	130	141	123	88	77	58	46	35	26	72	48	44	30	25	41	26	23	7	253	236	148	139	224	133	165	147	94	84	65	54	43	33	79	55	51	37	31	48	32	29	8	
0.80	291	276	145	139	263	134	210	193	102	95	77	67	57	47	89	68	64	51	45	61	46	42	9	275	258	147	139	246	134	189	172	99	90	72	61	50	40	85	62	58	44	39	55	39	35	8	
1.00	291	276	145	139	263	134	210	193	102	95	77	67	57	47	89	68	64	51	45	61	46	42	9	291	276	145	139	263	134	210	193	102	95	77	67	57	47	89	68	64	51	45	61	46	42	9	
1.25	312	299	139	135	286	130	240	224	105	99	85	76	67	58	94	76	73	61	56	70	56	52	10	326	316	135	131	301	127	262	248	107	102	90	82	75	66	97	82	79	69	64	76	64	60	11	
1.50	312	299	139	135	286	130	240	224	105	99	85	76	67	58	94	76	73	61	56	70	56	52	10	336	327	132	129	313	125	278	265	108	104	94	87	81	73	99	87	84	75	70	81	70	66	11	
2.00	352	344	129	127	330	124	301	290	111	108	100	94	89	82	103	93	91	84	80	88	79	75	12	400	384	125	124	365	122	352	346	117	116	112	109	107	104	112	108	106	103	101	104	100	96	14	
2.50	352	344	129	127	330	124	301	290	111	108	100	94	89	82	103	93	91	84	80	88	79	75	12	20.00	395	394	123	123	378	121	371	368	119	118	117	115	115	113	115	113	113	111	110	110	108	105	14
3.00	362	356	128	126	341	123	317	307	113	110	103	99	95	89	106	98	96	90	86	92	85	81	13																								
4.00	384	380	125	124	365	122	352	346	117	116	112	109	107	104	112	108	106	103	101	104	100	96	14																								
5.00	395	394	123	123	378	121	371	368	119	118	117	115	115	113	115	113	113	111	110	110	108	105	14																								

## Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	365	355	291	284	349	281	275	267	227	222	190	185	163	160	219	186	184	162	160	183	160	159	138	
0.60	405	393	309	303	385	298	313	304	249	243	213	208	187	183	240	208	206	184	182	204	182	180	155	426	414	312	306	404	301	337	326	257	252	225	219	199	195	247	218	216	196	193	214	193	191	162	
0.80	445	434	313	308	421	302	359	348	264	259	234	228	211	205	253	227	225	206	203	222	203	200	168	458	448	313	308	433	302	376	365	268	264	241	235	219	213	257	233	231	214	211	227	209	206	172	
1.00	465	456	298	295	438	288	390	379	262	258	240	234	221	215	250	231	229	215	211	223	209	204	167	467	459	285	282	438	276	397	387	254	251	236	231	220	214	242	226	224	213	209	218	206	200	160	
1.25	464	457	272	270	435	263	399	389	245	242	230	225	216	210	233	220	218	208	205	211	201	194	152	471	465	265	263	441	256	411	403	242	240	230	226	219	214	230	219	217	209	207	209	201	194	149	
1.50	476	471	261	260	445	253	420	412	241	239	231	227	222	217	228	219	218	211	209	209	202	194	147	480	477	246	245	448	238	434	429	232	231	226	224	221	218	219	214	213	209	207	202	198	188	137	
2.00	480	477	246	245	448	238	434	429	232	231	226	224	221	218	219	214	213	209	207	202	198	188	137	20.00	458	456	213	213	425	205	418	415	203	202	200	199	197	195	189	187	186	184	183	174	172	161	108

## Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	756	744	705	698	737	693	647	639	623	618	576	571	542	539	614	571	570	540	538	568	538	537	525	
0.60	846	833	780	772	822	765	734	723	700	694	653	647	618	613	688	646	644	614	612	641	611	610	597	919	905	837	830	891	822	807	795	763	756	719	711	684	679	749	710	707	679	676	704	676	673	660	
0.80	982	969	885	879	950	870	872	859	817	810	776	768	744	737	801	766	763	737	733	758	732	728	716	1000	1000	918	912	994	903	921	907	856	849	818	810	787	780	838	806	803	779	775	797	773	767	756	
1.00	1000	1000	965	961	1000	950	996	982	913	907	882	874	856	848	894	868	865	845	841	856	837	829	818	1000	1000	1000	1000	1000	978	1000	1000	948	943	922	914	900	891	928	906	903	887	883	893	876	867	857	
1.25	1000	1000	1000	1000	1000	997	1000	1000	972	967	950	943	931	922	951	933	930	917	912	918	904	894	884	1000	1000	1000	1000	1000	1000	1000	1000	997	994	980	974	964	956	976	961	959	948	944	944	934	921	911	
1.50	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	992	985	977	990	978	975	967	963	960	951	936	926	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	991	986	968	957
2.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	974	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	985	974	

LM53 SHR C0-C180: 0.564 SHR C90-C270: 0.184 SHR Square: 0.261

**Luminaire**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

**Measurment.**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG Sym. on planes	270-90

Flujo Total=139.11 Flujo Luminaria=139.11

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	0.53	0.61	0.67	0.73	0.77	0.83	0.87	0.90	0.92	0.94	0.97	0.99
RC	1	1	1	1	1	1	1	1	1	1	-	-

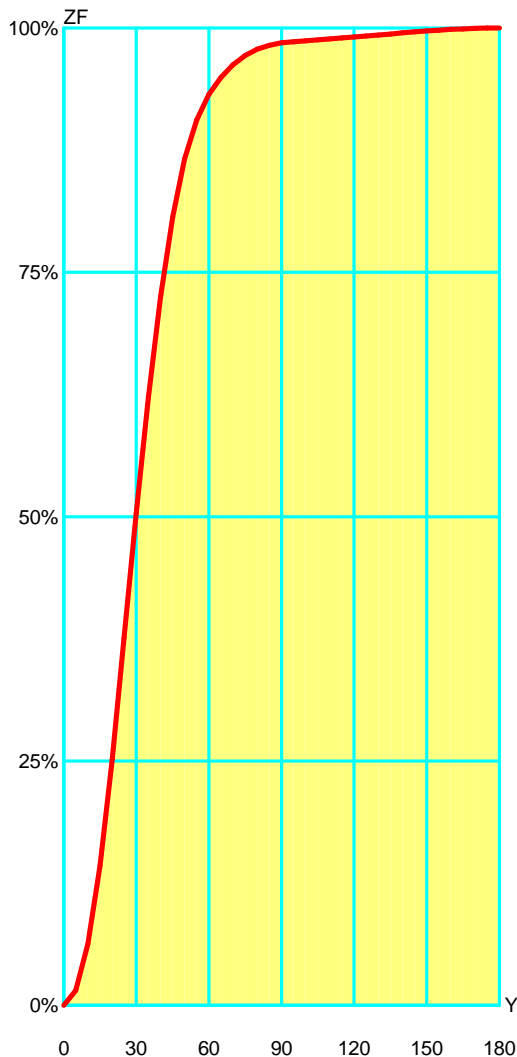
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	63	251	503	725	866	932	962	978	985	987	989	991	993	995	997	999	1000	1000

Códigos de Flujo C.I.E.

76 95 99 98 100

C.I.E.	1/1/1/1/1/1/1/1/1/1/1/-/-	LOR	100.00000 %
D DIN 5040	A61	ULOR	1.52020 %
F UTE	0.98 B + 0.02 T	DLOR	98.47980 %
B NBN	BZ 1 / 2.5 / BZ 2	UFF	1.52020 %
RN	1.52020 %	DFF	98.47980 %
BLF	1.0	FFR	1.54366 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	15.17	15.17	1.52 %	1.52 %
10°	47.39	62.56	4.74 %	6.26 %
15°	80.32	142.88	8.03 %	14.29 %
20°	108.43	251.31	10.84 %	25.13 %
25°	124.73	376.05	12.47 %	37.60 %
30°	127.41	503.46	12.74 %	50.35 %
35°	118.62	622.08	11.86 %	62.21 %
40°	102.67	724.76	10.27 %	72.48 %
45°	82.02	806.78	8.20 %	80.68 %
50°	59.40	866.18	5.94 %	86.62 %
55°	39.99	906.17	4.00 %	90.62 %
60°	25.93	932.10	2.59 %	93.21 %
65°	17.55	949.65	1.75 %	94.96 %
70°	12.85	962.50	1.29 %	96.25 %
75°	9.46	971.96	0.95 %	97.20 %
80°	6.46	978.42	0.65 %	97.84 %
85°	4.04	982.46	0.40 %	98.25 %
90°	2.33	984.80	0.23 %	98.48 %
95°	1.29	986.08	0.13 %	98.61 %
100°	0.91	987.00	0.09 %	98.70 %
105°	0.90	987.90	0.09 %	98.79 %
110°	0.93	988.82	0.09 %	98.88 %
115°	0.96	989.79	0.10 %	98.98 %
120°	0.99	990.78	0.10 %	99.08 %
125°	1.03	991.81	0.10 %	99.18 %
130°	1.06	992.88	0.11 %	99.29 %
135°	1.07	993.95	0.11 %	99.39 %
140°	1.06	995.00	0.11 %	99.50 %
145°	1.02	996.02	0.10 %	99.60 %
150°	0.95	996.98	0.10 %	99.70 %
155°	0.86	997.84	0.09 %	99.78 %
160°	0.74	998.59	0.07 %	99.86 %
165°	0.60	999.19	0.06 %	99.92 %
170°	0.45	999.63	0.04 %	99.96 %
175°	0.27	999.91	0.03 %	99.99 %
180°	0.09	1000.00	0.01 %	100.00 %



**Luminaire**

 Code 55-9883-Z5-CL  
 Name Baliza REXEL 2 leds 2.1W

**Measur.**

 Code 55-9883-Z5-CL  
 Name Baliza REXEL 2 leds 2.1W

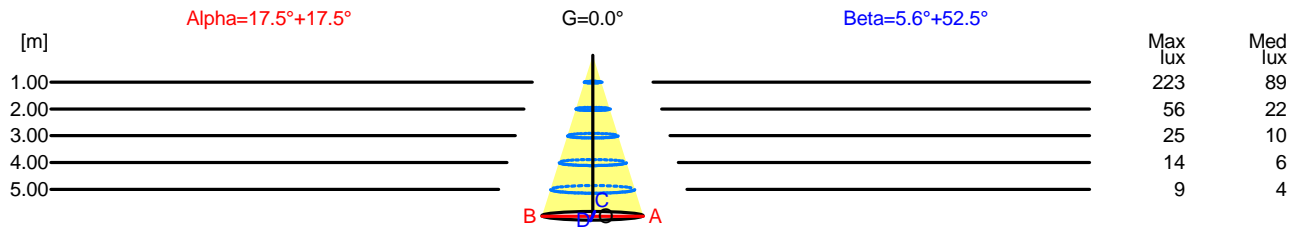
Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG	Sym. on planes 270-90

## Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.31	0.63	0.94	1.26	1.57	OC	0.10	0.20	0.29	0.39	0.49
OB	0.31	0.63	0.94	1.26	1.57	OD	1.30	2.61	3.91	5.21	6.52

## Luminous Intensities [ cd ]

	0	5	15	25	35	45	55	65	75	85
OA	86.11	84.20	51.56	24.46	14.74	8.98	6.14	3.07	0.95	0.19
OB	86.11	84.20	51.56	24.46	14.74	8.98	6.14	3.07	0.95	0.19
OC	86.11	46.63	14.49	9.10	4.79	1.42	0.21	0.13	0.17	0.17
OD	86.11	167.77	247.89	235.91	163.13	97.61	26.99	8.25	4.49	1.83



H[m]	D[m]	Max lux	Med lux	Alpha=17.5°+17.5°	G=0.0
1.00	0.63	223	89		
2.00	1.26	56	22		
3.00	1.89	25	10		
4.00	2.52	14	6		
5.00	3.15	9	4		

H[m]	D[m]	Max lux	Med lux	Beta=52.5°+5.6°	G=0.0
1.00	1.40	223	89		
2.00	2.80	56	22		
3.00	4.20	25	10		
4.00	5.60	14	6		
5.00	7.00	9	4		

**Luminaire**

Code 55-9883-Z5-CL  
 Name Baliza REXEL 2 leds 2.1W

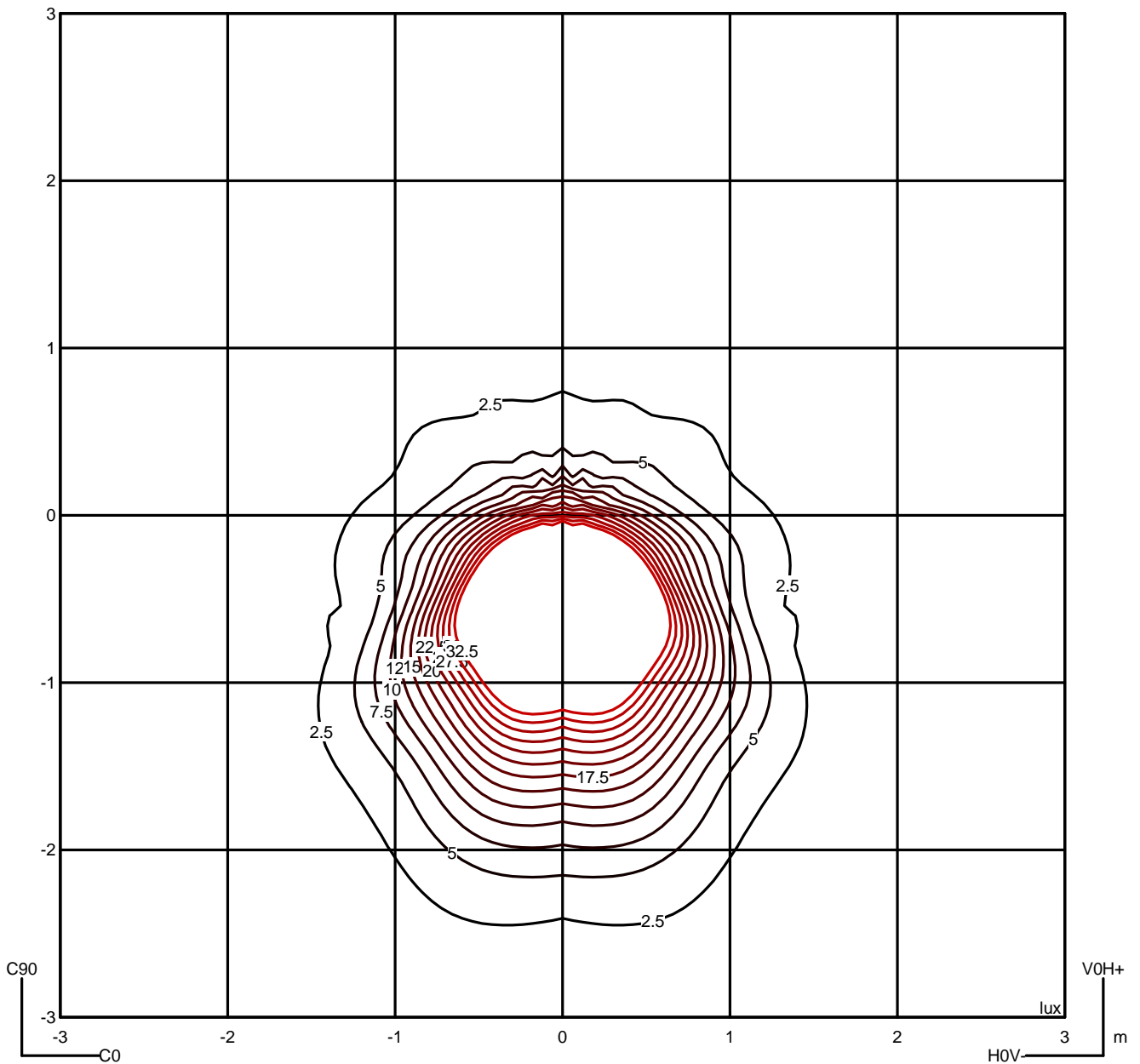
**Measur.**

Code 55-9883-Z5-CL  
 Name Baliza REXEL 2 leds 2.1W

Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG	Sym. on planes 270-90

Isolux (Floor)

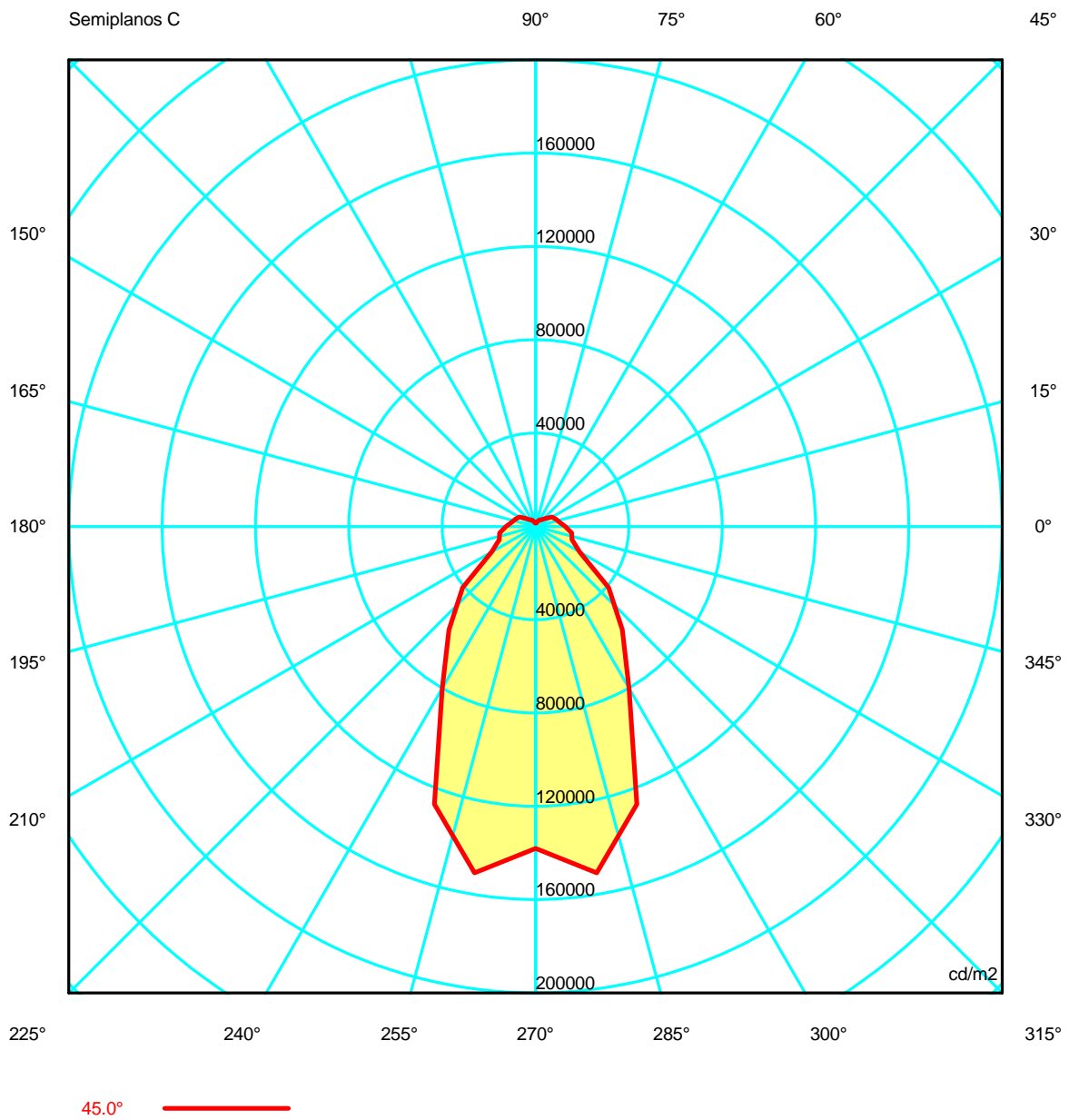
Luminaire position X=0.00m Y=0.00m Z=1.80m



**Luminaire**  
 Code 55-9883-Z5-CL  
 Name Baliza REXEL 2 leds 2.1W  
**Measurem.**  
 Code 55-9883-Z5-CL  
 Name Baliza REXEL 2 leds 2.1W

Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG	Sym. on planes 270-90

Luminance



**Luminaire**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

**Measurment.**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG	Sym. on planes 270-90

**Luminance cd/m2 Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08
G 5.0	84520.37	69427.51	62809.83	62106.70	48771.82	46387.66	52697.35	41469.49	36101.39	46804.15	36101.39	41469.49	52697.35
G 10.0	71019.70	51099.23	41077.56	38331.70	28039.06	23514.14	25690.93	21428.71	19353.08	23533.55	19353.08	21428.71	25690.93
G 15.0	53382.46	36020.19	27452.60	24425.75	18966.83	16799.71	16706.78	14676.83	13569.10	14996.52	13569.10	14676.83	16706.78
G 20.0	37649.03	25307.17	20792.39	19045.58	15273.31	12957.76	12786.94	11721.45	11259.05	12101.22	11259.05	11721.45	12786.94
G 25.0	26990.68	19357.75	17424.38	16560.53	13268.65	11183.83	11046.32	9995.86	9432.51	10039.49	9432.51	9995.86	11046.32
G 30.0	21222.65	15482.77	13783.88	13418.25	10907.00	9295.20	9156.16	7991.85	7448.81	8236.72	7448.81	7991.85	9156.16
G 35.0	17996.43	13688.72	11556.73	10793.39	9109.96	7946.69	7370.32	5912.92	5215.73	5846.93	5215.73	5912.92	7370.32
G 40.0	14868.89	11685.33	10133.58	9214.63	7124.75	5658.50	5052.94	3805.84	3289.42	3972.17	3289.42	3805.84	5052.94
G 45.0	12696.74	10331.34	9235.07	8104.11	5456.86	3767.71	3344.62	2172.07	1544.03	2003.64	1544.03	2172.07	3344.62
G 50.0	11563.77	9262.51	8070.65	6749.21	3710.10	1804.60	1554.97	789.77	332.26	620.79	332.26	789.77	1554.97
G 55.0	10705.43	8221.36	6481.60	4744.59	2120.76	865.84	464.72	408.56	377.78	372.38	377.78	408.56	464.72
G 60.0	9315.58	6341.74	4122.51	2416.79	928.98	434.91	384.46	368.01	353.77	341.74	353.77	368.01	384.46
G 65.0	7254.47	4438.76	2410.19	953.40	484.73	426.15	389.15	403.47	384.37	303.24	384.37	403.47	389.15
G 70.0	5669.32	2613.53	1023.59	624.49	529.08	468.06	437.14	486.26	479.79	374.69	479.79	486.26	437.14
G 75.0	3685.24	1286.88	798.19	744.10	688.16	612.58	577.67	631.25	660.19	660.19	660.19	631.25	577.67
G 80.0	2562.66	1070.87	1034.79	1222.15	1244.61	1165.38	1107.01	1107.01	1080.78	984.01	1080.78	1107.01	1107.01
G 85.0	2205.59	2205.59	2287.28	2450.65	2465.28	2377.30	2205.59	2205.59	2156.91	1960.52	2156.91	2205.59	2205.59
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Luminaire**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

**Measurerm.**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG Sym. on planes	270-90

**Luminance cd/m2 Table 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08
G 5.0	46387.66	48771.82	62106.70	62809.83	69427.51	84520.37	91529.74	104018.73	118708.48	119639.05	136521.11	158929.46	146349.99
G 10.0	23514.14	28039.06	38331.70	41077.56	51099.23	71019.70	88665.74	109938.95	133218.93	150426.33	175478.66	200970.62	203010.14
G 15.0	16799.71	18966.83	24425.75	27452.60	36020.19	53382.46	75632.43	102583.03	134027.65	168421.83	202835.41	229715.84	241632.04
G 20.0	12957.76	15273.31	19045.58	20792.39	25307.17	37649.03	59256.42	84985.20	118815.18	167640.02	208036.15	232178.26	251831.78
G 25.0	11183.83	13268.65	16560.53	17424.38	19357.75	26990.68	42453.91	61353.82	92777.38	148554.35	192804.24	217021.75	243292.27
G 30.0	9295.20	10907.00	13418.25	13783.88	15482.77	21222.65	30495.84	40494.91	65424.20	121924.08	168190.92	194284.03	225035.83
G 35.0	7946.69	9109.96	10793.39	11556.73	13688.72	17996.43	22750.46	26492.27	42841.12	87929.30	129648.43	160982.69	199646.57
G 40.0	5658.50	7124.75	9214.63	10133.58	11685.33	14868.89	18376.93	22369.25	28787.06	62560.05	95888.13	125188.81	165867.46
G 45.0	3767.71	5456.86	8104.11	9235.07	10331.34	12696.74	15744.64	16571.11	21674.25	40766.97	57850.79	80007.75	126710.73
G 50.0	1804.60	3710.10	6749.21	8070.65	9262.51	11563.77	14295.36	15362.91	18460.20	29347.11	38419.60	52048.35	84366.79
G 55.0	865.84	2120.76	4744.59	6481.60	8221.36	10705.43	13398.06	14403.96	16767.95	24912.48	28555.71	33397.19	53811.13
G 60.0	434.91	928.98	2416.79	4122.51	6341.74	9315.58	12559.32	14063.24	15926.25	21932.74	25105.79	25814.18	30694.02
G 65.0	426.15	484.73	953.40	2410.19	4438.76	7254.47	11188.22	13678.87	15683.59	20159.85	21433.13	20064.11	22186.33
G 70.0	468.06	529.08	624.49	1023.59	2613.53	5669.32	9431.66	12191.06	14850.08	19263.00	20080.77	18189.61	19867.44
G 75.0	612.58	688.16	744.10	798.19	1286.88	3685.24	8043.99	10913.08	13066.38	17829.55	18650.18	16588.06	19286.71
G 80.0	1165.38	1244.61	1222.15	1034.79	1070.87	2562.66	6329.81	8861.11	11061.25	16476.80	17682.26	15522.04	18263.88
G 85.0	2377.30	2465.28	2450.65	2287.28	2205.59	2205.59	6168.31	7879.66	9169.26	16882.15	19975.01	18593.49	23541.33
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Luminaire**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

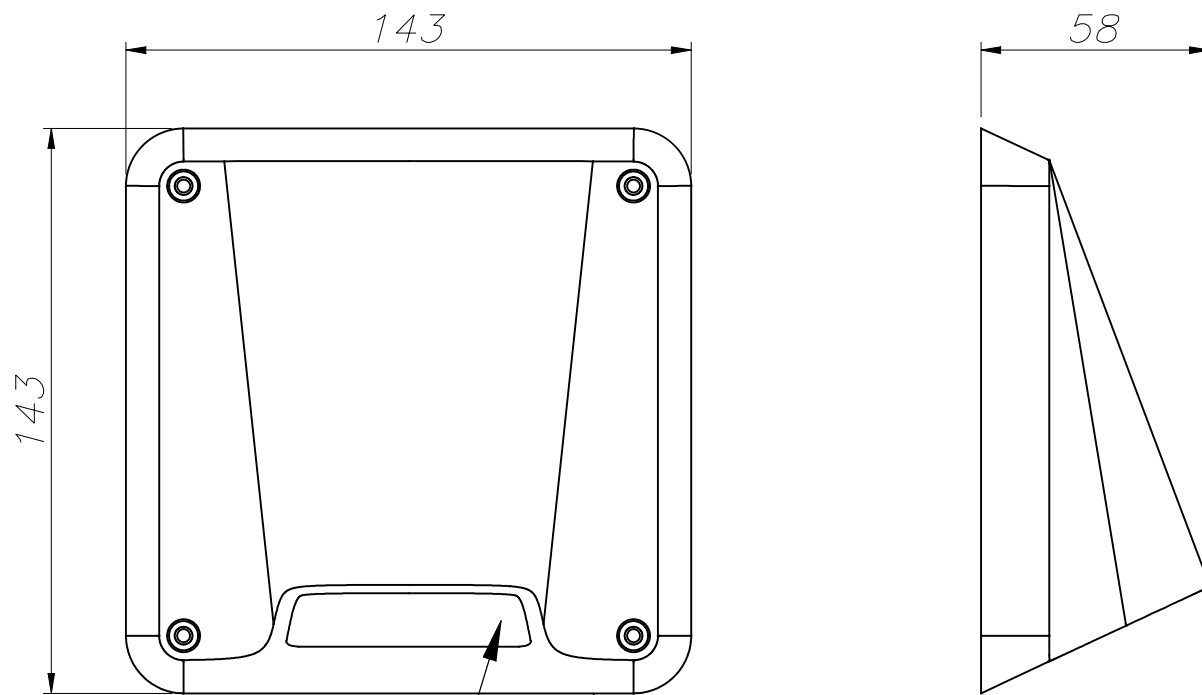
**Measurment**

Code 55-9883-Z5-CL  
Name Baliza REXEL 2 leds 2.1W

Luminaire Flux	139.11 lm	Luminaire Power	3.00 W	Efficacy	46.37 lm/W	Efficiency	100.00%
Lamps Flux	139.11 lm	Maximum value	253.33 cd	Position	C=270.00 G=20.00	CG	Sym. on planes 270-90

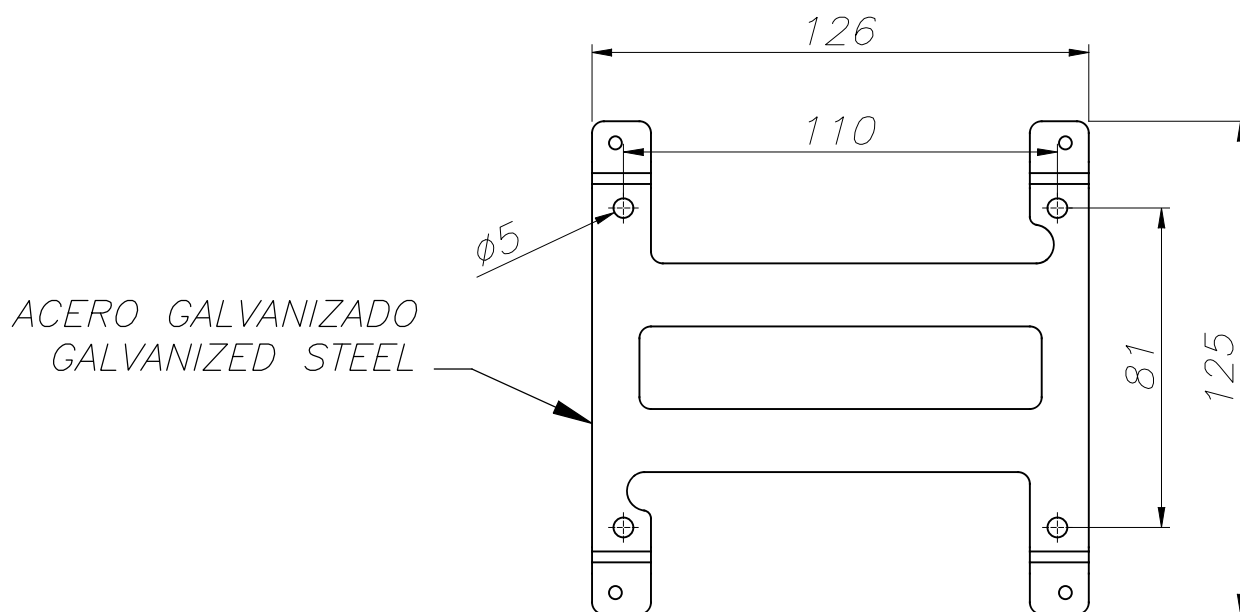
**Luminance cd/m2 Table 3/3**

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08	86108.08
G 5.0	143143.27	168406.99	143143.27	146349.99	158929.46	136521.11	119639.05	118708.48	104018.73	91529.74
G 10.0	207694.55	223011.01	207694.55	203010.14	200970.62	175478.66	150426.33	133218.93	109938.95	88665.74
G 15.0	248447.42	256635.40	248447.42	241632.04	229715.84	202835.41	168421.83	134027.65	102583.03	75632.43
G 20.0	264242.26	269585.60	264242.26	251831.78	232178.26	208036.15	167640.02	118815.18	84985.20	59256.42
G 25.0	255819.92	260292.67	255819.92	243292.27	217021.75	192804.24	148554.35	92777.38	61353.82	42453.91
G 30.0	238930.96	230280.99	238930.96	225035.83	194284.03	168190.92	121924.08	65424.20	40494.91	30495.84
G 35.0	214625.48	199143.85	214625.48	199646.57	160982.69	129648.43	87929.30	42841.12	26492.27	22750.46
G 40.0	185616.82	176419.53	185616.82	165867.46	125188.81	95888.13	62560.05	28787.06	22369.25	18376.93
G 45.0	150730.77	138035.03	150730.77	126710.73	80007.75	57850.79	40766.97	21674.25	16571.11	15744.64
G 50.0	102541.49	96229.64	102541.49	84366.79	52048.35	38419.60	29347.11	18460.20	15362.91	14295.36
G 55.0	61346.48	47059.94	61346.48	53811.13	33397.19	28555.71	24912.48	16767.95	14403.96	13398.06
G 60.0	31520.73	25594.24	31520.73	30694.02	25814.18	25105.79	21932.74	15926.25	14063.24	12559.32
G 65.0	22721.13	19518.18	22721.13	22186.33	20064.11	21433.13	20159.85	15683.59	13678.87	11188.22
G 70.0	20901.21	19179.85	20901.21	19867.44	18189.61	20080.77	19263.00	14850.08	12191.06	9431.66
G 75.0	20481.63	17363.96	20481.63	19286.71	16588.06	18650.18	17829.55	13066.38	10913.08	8043.99
G 80.0	19875.67	17466.10	19875.67	18263.88	15522.04	17682.26	16476.80	11061.25	8861.11	6329.81
G 85.0	25645.83	21036.40	25645.83	23541.33	18593.49	19975.01	16882.15	9169.26	7879.66	6168.31
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



PMMA TRANSPARENTE  
TRANSPARENT PMMA

ALUMINIO INYECTADO  
INJECTED ALUMINIUM



ACERO GALVANIZADO  
GALVANIZED STEEL

PLANTILLA DE INSTALACIÓN  
INSTALLATION TEMPLATE

