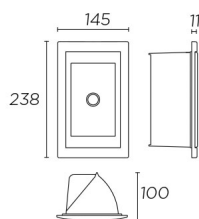


## OUT SQUARE

### 90-5149-14-37

Downlight OUT SQUARE 44.8W 3000K CRI 90 93.1° White IP23 3196lm

#### TECHNICAL FEATURES



Power (W) : 44.8W  
Raw lumens : 3196  
Raw lm/W : 73  
Colour temperature : LED warm-white 3000K  
Lens / reflector angle : FLOOD 86°  
Structure material : Aluminium  
Structure finish : White  
Diffuser material : Glass  
Diffuser finish : Transparent  
Useful life : 50.000h L80B20

Equipment necessary but not included :  
Voltage / frequency : max. 1200mA  
Warranty : 2 Years  
Max. temperature : 25°C  
Energy efficiency : LED A++



#### LUMINOTECHNIC FEATURES

Light source: LED CREE  
CRI: 90  
MacAdam steps: 2  
Photobiological risk: RG1

#### LOGISTICS

Net weight (kg): 1.3  
Packaged weight (kg): 1.67  
Packaging: 285mm x 175mm x 140mm



**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

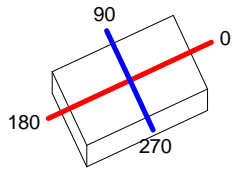
**Measur.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical
Flush Rectangular Rectangular Luminous Area	Length Length	145 mm 90 mm	Width Width	238 mm 150 mm	Height Height	11 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.013500 m2 0.000000 m2 0.000000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.000000 m2 0.000000 m2 0.003266 m2		
Coordinate system Date Measurement Distance	CG 17-03-2016 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 3169.03 lm		
Operator Temperature Humidity Notes	Asselum T2 24.00 °C 43.00 %		Source voltage Source current Photocell		38.70 V 1.00 A Prc		

Line	Code	Luminaire Lamps Name	Flux [lm]	Pow. [W]	Q.ty
- LEDS C4 LEDS	90-5149-14-37	Lámpara led 44.8W 3000K 90	3196.50	45.00	1
C.I.E.	72 97 99 100 100	D DIN 5040	A60		
F UTE	1.00 B	B NBN	BZ 2		

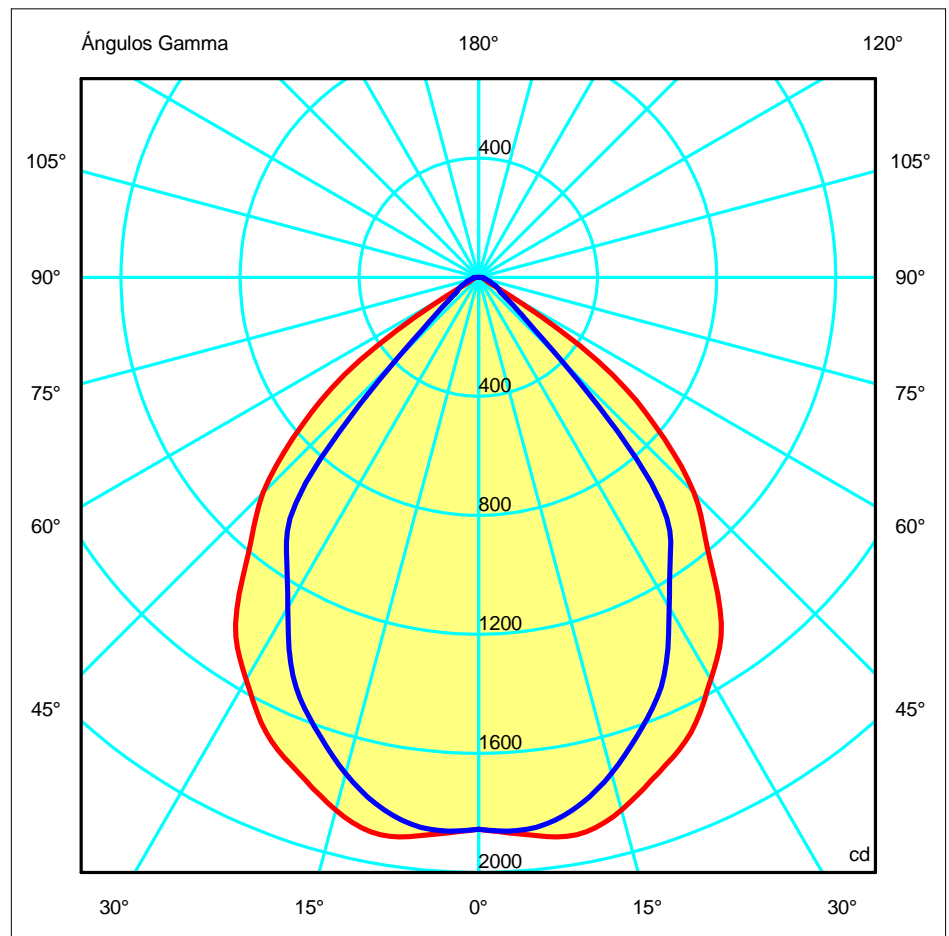
145mm x 238mm



Semiplanos C

180.0 — 0.0  
 270.0 — 90.0

ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %



**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measur.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

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

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	1853.93	1853.93	1853.93	1853.93	1853.93	1853.93	1853.93
G 5.0	1880.02	1878.40	1876.64	1869.76	1868.75	1862.14	1861.90
G 10.0	1901.90	1906.30	1901.98	1879.70	1846.27	1822.12	1817.57
G 15.0	1853.02	1867.60	1861.59	1822.54	1768.74	1730.30	1725.45
G 20.0	1770.47	1789.80	1771.81	1723.44	1674.83	1616.12	1607.99
G 25.0	1687.40	1687.30	1640.28	1585.52	1530.73	1482.04	1475.53
G 30.0	1559.97	1555.04	1506.62	1441.83	1376.83	1292.31	1280.36
G 35.0	1421.63	1393.21	1328.79	1247.20	1160.80	1133.64	1124.54
G 40.0	1198.82	1189.46	1153.06	1074.09	999.93	968.06	902.14
G 45.0	1022.56	994.47	941.59	868.50	757.07	463.56	385.25
G 50.0	774.50	765.55	752.48	639.71	291.10	182.25	168.95
G 55.0	487.50	556.13	552.48	292.41	110.25	94.47	95.90
G 60.0	116.35	170.50	349.05	83.51	59.97	74.07	76.74
G 65.0	30.86	33.51	54.99	32.93	48.68	57.93	56.32
G 70.0	24.22	25.66	24.97	27.32	37.50	41.52	40.15
G 75.0	19.25	20.11	20.38	21.48	27.96	30.88	28.79
G 80.0	14.85	16.36	17.21	18.06	20.51	21.27	19.36
G 85.0	11.91	13.28	13.91	14.32	15.87	16.21	15.40
G 90.0	1.32	2.40	3.05	2.82	2.44	1.87	1.19

**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measurment.**

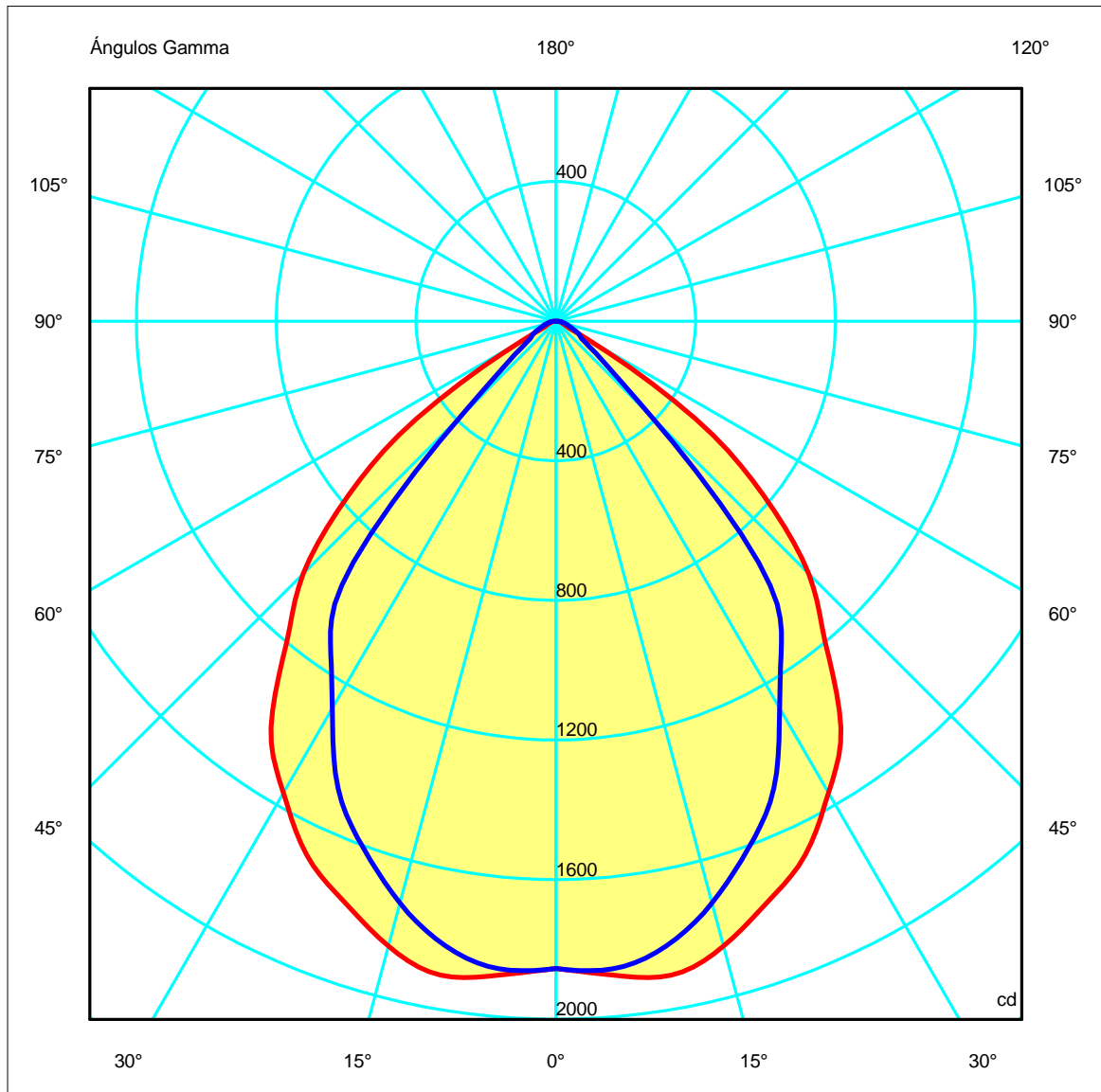
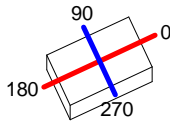
Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

145mm x 238mm

Semiplanos C

180.0 ——— 0.0  
 270.0 ——— 90.0



**Luminaire**

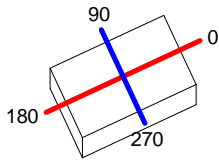
Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measur.**

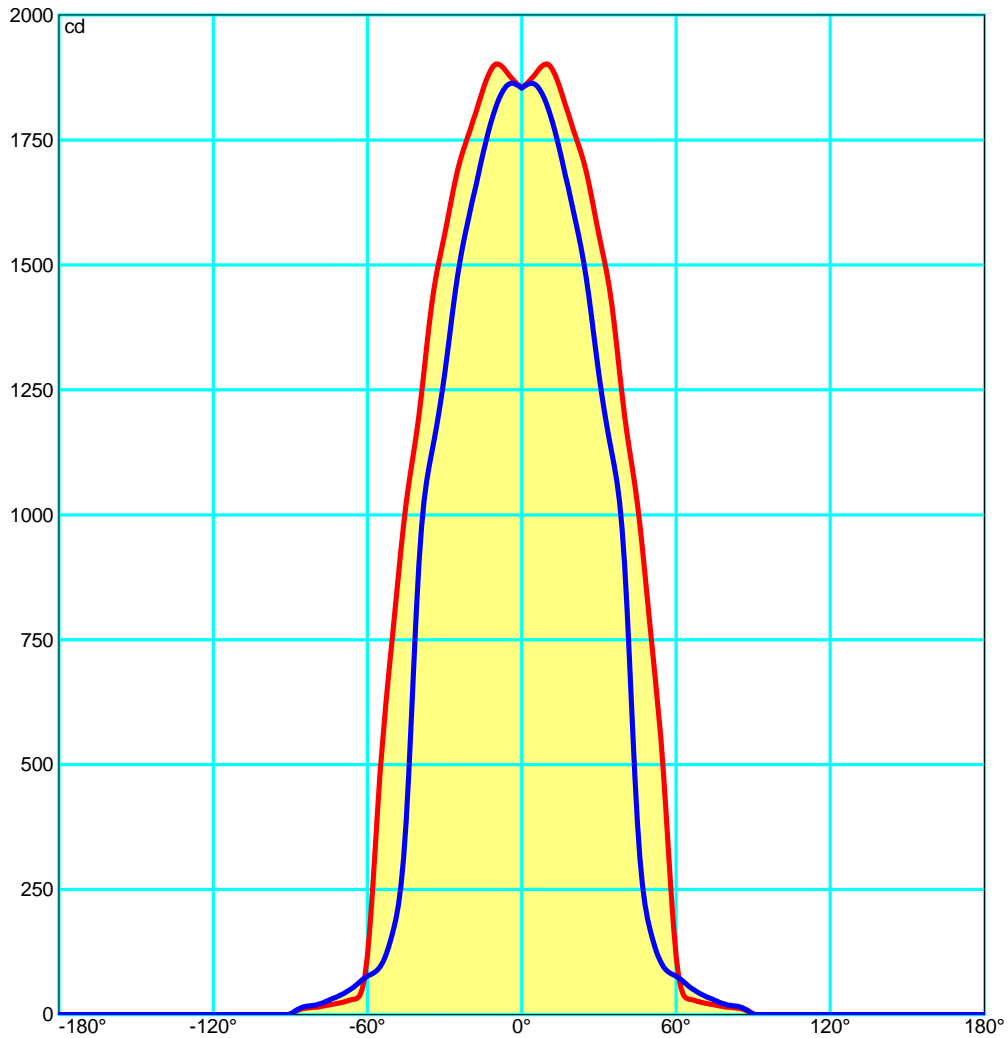
Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

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Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

145mm x 238mm



Semiplanos C  
 180.0 ———— 0.0  
 270.0 ———— 90.0



**Luminaire**

Code 90-5149-14-37  
Name OUT SQUARE 44.8W 90 3000K

**Measurement**

Code 90-5139-14-37  
Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

**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	26.6	27.6	26.9	27.8	24.1	22.6	23.6	22.9	23.8	24.1
x=2H y=3H	26.5	27.3	26.8	27.6	24.0	22.7	23.5	23.0	23.8	24.0
x=2H y=4H	26.4	27.2	26.7	27.5	24.1	22.7	23.5	23.0	23.8	24.1
x=2H y=6H	26.4	27.1	26.7	27.4	24.1	22.7	23.5	23.1	23.8	24.1
x=2H y=8H	26.3	27.0	26.7	27.3	24.1	22.8	23.5	23.1	23.8	24.1
x=2H y=12H	26.3	27.0	26.7	27.3	24.1	22.8	23.5	23.2	23.8	24.1
x=4H y=2H	26.4	27.2	26.7	27.5	24.3	22.9	23.7	23.2	24.0	24.3
x=4H y=3H	26.3	27.0	26.7	27.3	24.3	23.0	23.7	23.4	24.0	24.3
x=4H y=4H	26.3	26.9	26.7	27.2	24.4	23.1	23.7	23.5	24.0	24.4
x=4H y=6H	26.2	26.7	26.6	27.1	24.4	23.2	23.7	23.6	24.0	24.4
x=4H y=8H	26.2	26.7	26.6	27.1	24.5	23.2	23.7	23.7	24.1	24.5
x=4H y=12H	26.2	26.6	26.7	27.0	24.6	23.3	23.7	23.8	24.1	24.6
x=8H y=4H	26.2	26.6	26.6	27.0	24.3	23.0	23.5	23.4	23.9	24.3
x=8H y=6H	26.1	26.5	26.6	26.9	24.4	23.2	23.5	23.6	24.0	24.4
x=8H y=8H	26.2	26.5	26.6	26.9	24.5	23.3	23.6	23.8	24.1	24.5
x=8H y=12H	26.2	26.5	26.7	26.9	24.7	23.5	23.8	24.0	24.2	24.7
x=12H y=4H	26.1	26.5	26.6	27.0	24.2	23.0	23.4	23.4	23.8	24.2
x=12H y=6H	26.1	26.5	26.6	26.9	24.4	23.2	23.5	23.6	23.9	24.4
x=12H y=8H	26.1	26.4	26.6	26.9	24.6	23.3	23.6	23.8	24.1	24.6

**Luminaire**

 Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measurerm.**

 Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

Flujo Total=3196.50 Flujo Luminaria=3196.50

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	0.49	0.57	0.65	0.71	0.76	0.82	0.86	0.89	0.92	0.93	0.96	0.98
RC	2	2	2	1	1	1	1	1	1	1	2	2

Flujo Zonal por 1000 Lúmenes

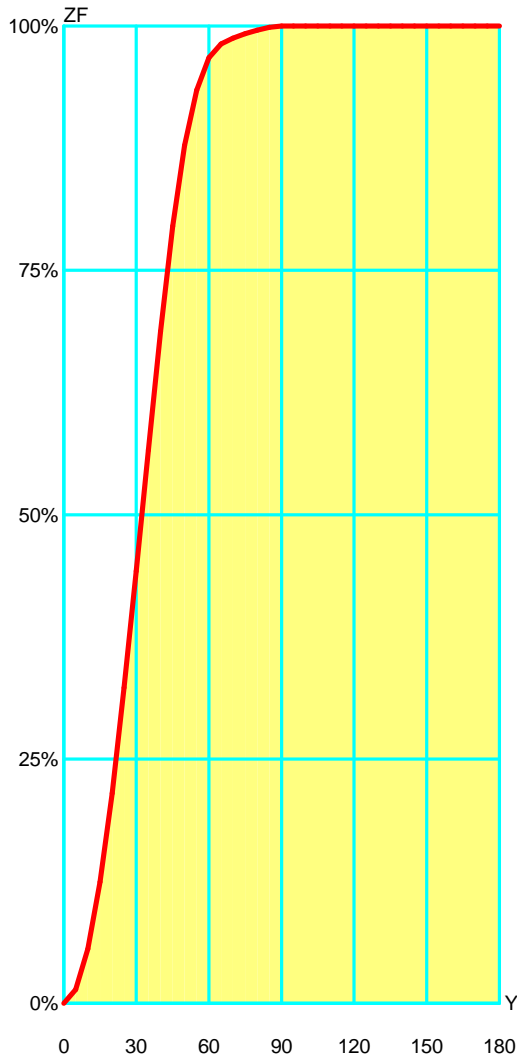
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	56	215	442	688	878	968	988	996	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

72 97 99 100 100

C.I.E.	2/2/2/1/1/1/1/1/1/2/2
D DIN 5040	A60
F UTE	1.00 B
B NBN	BZ 2
RN	0.00000 %
BLF	1.0

LOR	99.99991 %
ULOR	0.00000 %
DLOR	99.99991 %
UFF	0.00000 %
DFF	100.00000 %
FFR	0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	13.93	13.93	1.39 %	1.39 %
10°	41.86	55.79	4.19 %	5.58 %
15°	68.22	124.01	6.82 %	12.40 %
20°	90.69	214.70	9.07 %	21.47 %
25°	108.13	322.83	10.81 %	32.28 %
30°	119.43	442.26	11.94 %	44.23 %
35°	123.84	566.10	12.38 %	56.61 %
40°	121.54	687.65	12.15 %	68.76 %
45°	107.78	795.43	10.78 %	79.54 %
50°	82.51	877.94	8.25 %	87.79 %
55°	56.69	934.63	5.67 %	93.46 %
60°	32.92	967.55	3.29 %	96.75 %
65°	14.01	981.56	1.40 %	98.16 %
70°	6.08	987.64	0.61 %	98.76 %
75°	4.55	992.19	0.46 %	99.22 %
80°	3.56	995.75	0.36 %	99.58 %
85°	2.80	998.56	0.28 %	99.86 %
90°	1.44	1000.00	0.14 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measur.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

## Utilizations CIE

Mounting	Direct	Normalization										Normalised										Suspension Ratid/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	0.60	193	174	137	123	165	118	104	88	71	61	40	30	17	12	57	32	29	14	11	27	12	10	0	0.80	224	206	143	132	196	126	132	115	81	71	49	39	24	18	66	40	36	20	17	35	18	16	0	1.00	245	228	141	132	217	127	155	138	85	77	55	45	31	24	72	47	43	27	23	41	23	21	0	1.25	265	250	138	131	237	126	179	162	89	81	61	52	38	30	77	53	49	33	29	47	30	27	0	1.50	280	266	135	129	253	124	199	183	92	85	66	57	44	37	80	58	54	39	35	52	36	32	0	2.00	300	288	127	123	275	119	228	213	93	88	72	65	54	47	84	65	62	49	45	59	45	42	0	2.50	314	304	123	119	290	116	250	236	95	91	77	71	62	55	86	71	68	57	53	65	53	49	0	3.00	324	316	119	117	301	113	266	254	96	92	81	75	67	61	88	75	72	63	59	69	59	55	0	4.00	340	333	117	115	318	112	289	278	99	96	86	82	75	69	92	81	79	71	67	76	67	63	0	5.00	350	344	116	114	329	112	304	295	100	98	90	86	81	75	94	85	83	76	73	80	73	69	0	10.00	372	369	114	113	354	111	339	334	105	103	98	96	93	89	100	95	94	89	87	91	86	83	0	20.00	384	382	112	112	367	110	358	356	107	106	103	102	100	98	103	100	99	97	96	97	94	91	0

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	0.60	387	377	316	309	371	306	292	285	247	242	207	203	178	176	240	203	202	177	176	201	176	175	154	0.80	424	413	330	324	405	320	329	321	267	262	229	224	200	198	258	224	223	198	197	221	197	196	171	1.00	443	432	330	325	421	320	351	342	273	268	238	234	212	208	264	233	231	209	207	229	207	205	177	1.25	458	448	327	322	435	317	371	361	277	272	246	241	221	217	267	240	238	218	215	235	215	213	181	1.50	469	459	324	320	445	314	386	376	279	275	251	246	228	223	268	244	242	224	221	239	220	217	183	2.00	473	464	306	303	447	297	398	387	270	266	247	242	228	223	259	239	237	223	220	233	218	214	176	2.50	475	467	293	291	448	285	406	396	263	260	244	239	228	223	252	236	234	221	219	228	216	211	171	3.00	475	468	282	280	447	274	410	400	256	253	239	235	225	220	244	231	229	218	216	223	212	207	164	4.00	486	480	280	278	457	272	427	418	258	255	245	241	233	228	246	235	233	225	222	227	218	211	166	5.00	498	493	283	282	468	276	442	435	263	261	252	249	242	238	252	242	241	233	231	233	225	218	171	10.00	538	535	304	304	507	297	491	486	290	289	283	281	276	273	278	272	271	266	264	261	256	247	197	20.00	571	570	326	326	539	320	530	527	315	315	311	310	307	305	303	299	299	296	295	288	285	275	222

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	0.60	728	717	679	672	709	667	614	606	591	586	540	536	502	501	583	536	534	501	500	533	500	499	486	0.80	830	817	764	757	806	751	713	704	680	675	630	625	592	589	670	624	623	590	588	620	588	587	573	1.00	909	895	828	821	881	814	794	782	751	745	704	698	667	663	738	697	694	664	662	691	661	659	646	1.25	978	965	881	875	947	867	866	854	812	806	769	762	735	729	797	760	758	730	727	753	726	723	710	1.50	1000	1000	917	912	994	903	919	906	854	848	815	808	783	777	838	805	802	776	773	796	771	767	756	2.00	1000	1000	967	962	1000	953	998	984	915	909	883	876	856	849	898	871	868	847	844	861	840	834	824	2.50	1000	1000	995	991	1000	981	1000	1000	950	945	923	917	900	893	932	910	907	890	886	898	881	873	863	3.00	1000	1000	1000	1000	1000	1000	1000	1000	974	970	951	945	931	924	955	936	934	919	915	924	909	900	890	4.00	1000	1000	1000	1000	1000	1000	1000	1000	998	995	980	974	963	957	979	964	961	950	946	949	937	926	917	5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	992	982	976	992	979	977	967	964	964	953	941	931	10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	993	986	970	961	20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	988	978

LM53 SHR C0-C180: 1.238 SHR C90-C270: 1.063 SHR Square: 1.211



**Luminaire**

 Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measurerm.**

 Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

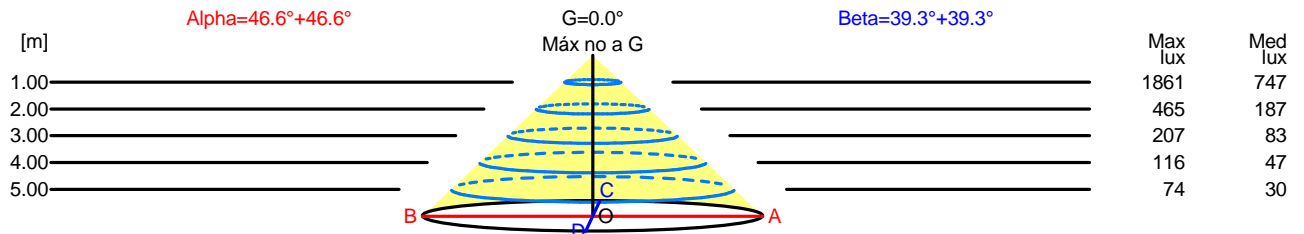
Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

## 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	1.06	2.11	3.17	4.23	5.28	OC	0.82	1.64	2.46	3.28	4.10
OB	1.06	2.11	3.17	4.23	5.28	OD	0.82	1.64	2.46	3.28	4.10

## Luminous Intensities [ cd ]

	0	5	15	25	35	45	55	65	75	85
OA	1853.93	1880.02	1853.02	1687.40	1421.63	1022.56	487.50	30.86	19.25	11.91
OB	1853.93	1880.02	1853.02	1687.40	1421.63	1022.56	487.50	30.86	19.25	11.91
OC	1853.93	1861.90	1725.45	1475.53	1124.54	385.25	95.90	56.32	28.79	15.40
OD	1853.93	1861.90	1725.45	1475.53	1124.54	385.25	95.90	56.32	28.79	15.40



H[m]	D[m]	Max lux	Med lux	Alpha=46.6°+46.6°	G=0.0 Máx no a G
1.00	2.11	1861	747		
2.00	4.23	465	187		
3.00	6.34	207	83		
4.00	8.45	116	47		
5.00	10.57	74	30		

H[m]	D[m]	Max lux	Med lux	Beta=39.3°+39.3°	G=0.0 Máx no a G
1.00	1.64	1861	747		
2.00	3.28	465	187		
3.00	4.92	207	83		
4.00	6.55	116	47		
5.00	8.19	74	30		

**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

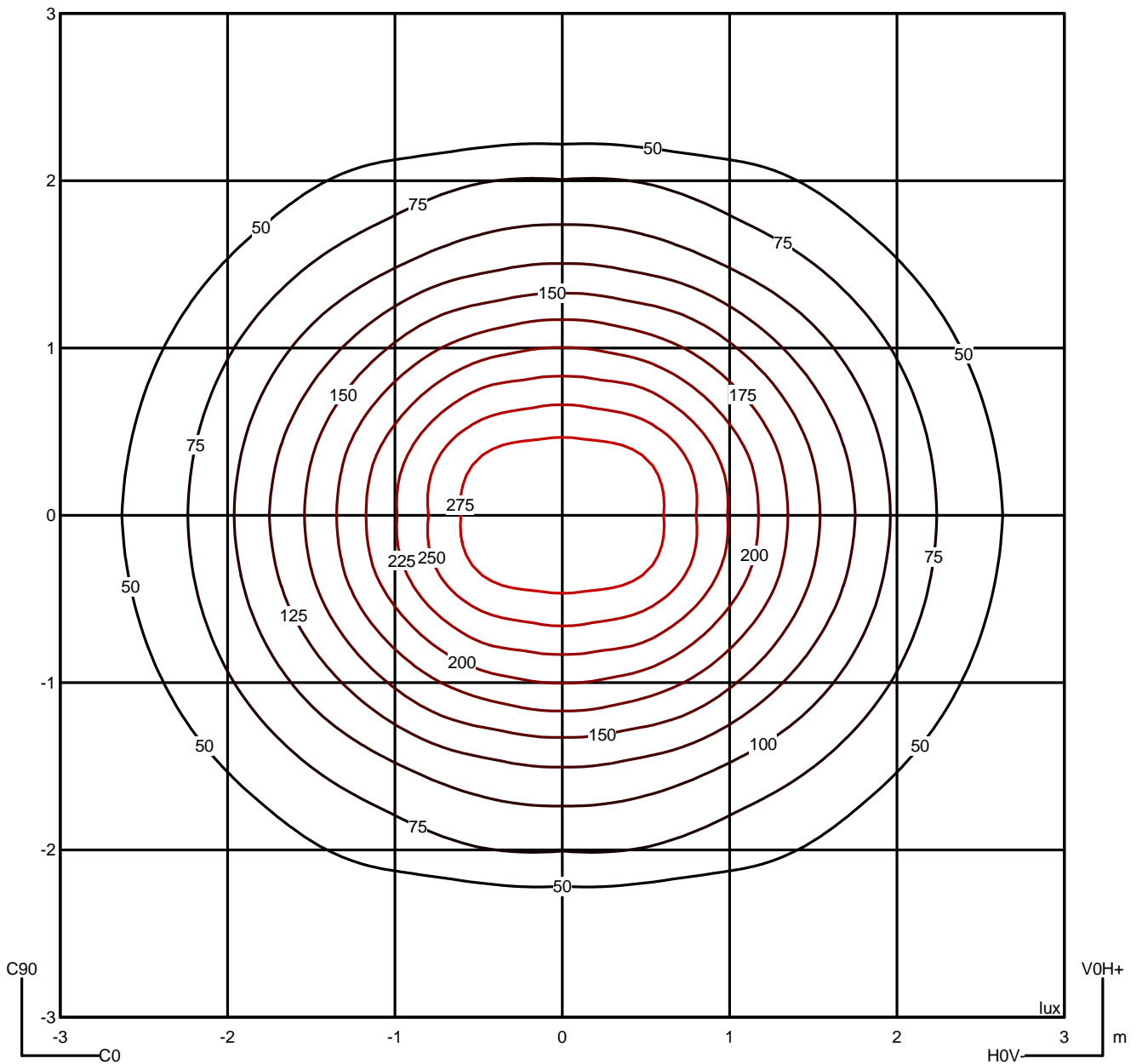
**Measur.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

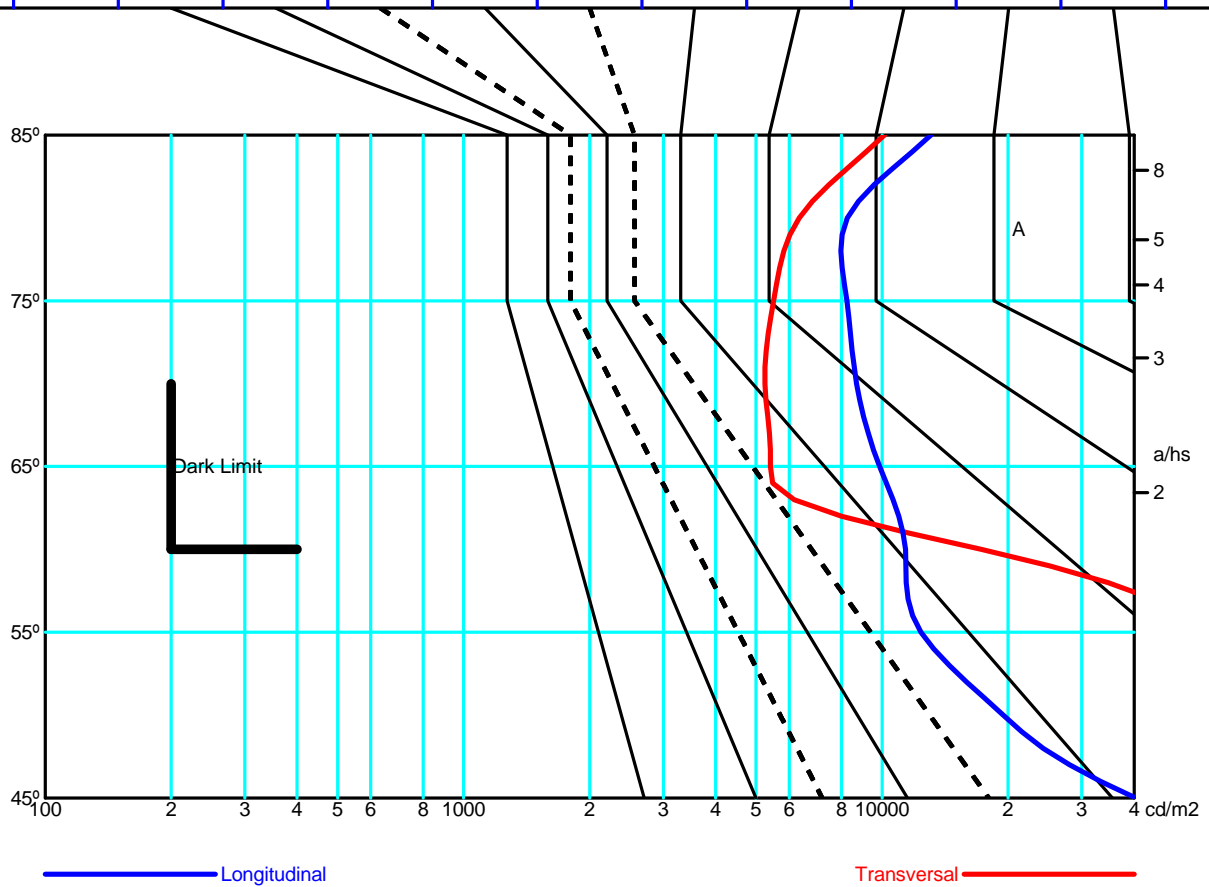
**Measurem.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	107120	89253	62957	17238	5409	5246	5508	6334	10119	---	
90.0°	40357	19469	12385	11369	9872	8695	8239	8258	13086	---	

Flujo montado o vista longitudinal												
		Iluminancia (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**

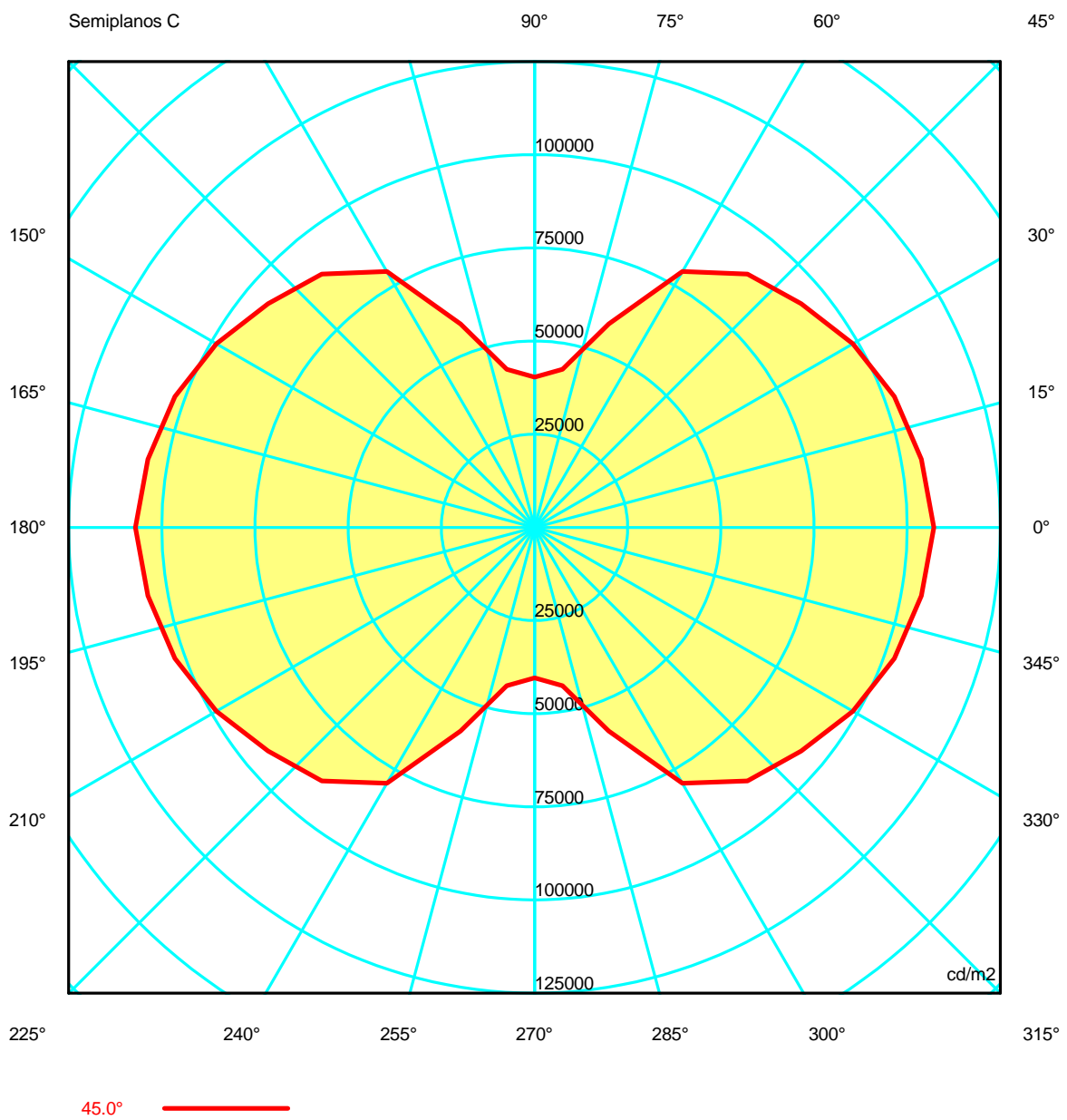
Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measur.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

Luminance



**Luminaire**

Code 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measurerm.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

**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	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90
G 5.0	139793.04	139699.29	139660.77	139541.35	139172.99	138989.94	138954.86	138622.71	138456.90	138445.00	138456.90	138622.71	138954.86
G 10.0	143054.71	143311.50	143393.37	143060.83	142088.67	140572.13	138870.53	137495.62	136815.90	136711.51	136815.90	137495.62	138870.53
G 15.0	142102.86	142946.90	143318.77	142759.71	140991.34	138406.91	135639.77	133396.10	132567.82	132319.53	132567.82	133396.10	135639.77
G 20.0	139562.64	140803.18	140990.16	139668.31	137181.39	134643.76	132023.67	128680.37	127181.79	126754.94	127181.79	128680.37	132023.67
G 25.0	137913.85	137908.41	136962.25	134062.91	131052.75	128122.73	125109.30	122156.55	120951.98	120597.47	120951.98	122156.55	125109.30
G 30.0	133429.38	133148.24	132012.24	128866.12	125127.87	121645.02	117765.16	112560.63	110194.70	109513.44	110194.70	112560.63	117765.16
G 35.0	128555.25	127135.99	124360.32	120159.65	115430.37	109917.12	104968.27	102886.68	102220.32	101689.42	102220.32	102886.68	104968.27
G 40.0	115922.47	115474.95	114275.47	111497.55	106673.29	101075.71	96690.23	94675.29	91909.45	87233.75	91909.45	94675.29	96690.23
G 45.0	107120.38	105341.42	102697.65	98638.11	93399.98	88792.74	79307.53	58111.01	43107.63	40357.21	43107.63	58111.01	79307.53
G 50.0	89252.60	88547.31	87898.22	86714.78	81536.65	60949.78	33545.99	22330.00	20304.82	19469.17	20304.82	22330.00	33545.99
G 55.0	62957.35	68880.21	74398.68	71349.12	50324.27	27201.19	14237.77	12879.46	12482.61	12385.05	12482.61	12879.46	14237.77
G 60.0	17237.66	22585.58	37024.95	51710.39	26590.70	11209.54	8884.40	10938.30	11031.85	11368.53	11031.85	10938.30	8884.40
G 65.0	5408.98	5718.25	7423.50	9637.74	6967.01	5982.53	8531.62	9966.71	10154.54	9871.68	10154.54	9966.71	8531.62
G 70.0	5245.81	5502.96	5536.48	5408.80	5538.39	6585.80	8121.24	8894.51	8963.27	8694.87	8963.27	8894.51	8121.24
G 75.0	5508.21	5682.86	5780.66	5833.31	6042.26	6679.76	8003.54	8754.21	8742.62	8238.87	8742.62	8754.21	8003.54
G 80.0	6334.47	6785.76	7134.80	7343.23	7511.76	8019.84	8748.74	9106.87	8890.93	8258.02	8890.93	9106.87	8748.74
G 85.0	10119.46	10949.79	11544.37	11818.90	11956.86	12573.83	13488.82	13834.51	13611.76	13085.83	13611.76	13834.51	13488.82
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 90-5149-14-37  
Name OUT SQUARE 44.8W 90 3000K

**Measurerm.**

Code 90-5139-14-37  
Name OUT SQUARE 38.6W 80 3000K

Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

**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	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90
G 5.0	138989.94	139172.99	139541.35	139660.77	139699.29	139793.04	139699.29	139660.77	139541.35	139172.99	138989.94	138954.86	138622.71
G 10.0	140572.13	142088.67	143060.83	143393.37	143311.50	143054.71	143311.50	143393.37	143060.83	142088.67	140572.13	138870.53	137495.62
G 15.0	138406.91	140991.34	142759.71	143318.77	142946.90	142102.86	142946.90	143318.77	142759.71	140991.34	138406.91	135639.77	133396.10
G 20.0	134643.76	137181.39	139668.31	140990.16	140803.18	139562.64	140803.18	140990.16	139668.31	137181.39	134643.76	132023.67	128680.37
G 25.0	128122.73	131052.75	134062.91	136962.25	137908.41	137913.85	137908.41	136962.25	134062.91	131052.75	128122.73	125109.30	122156.55
G 30.0	121645.02	125127.87	128866.12	132012.24	133148.24	133429.38	133148.24	132012.24	128866.12	125127.87	121645.02	117765.16	112560.63
G 35.0	109917.12	115430.37	120159.65	124360.32	127135.99	128555.25	127135.99	124360.32	120159.65	115430.37	109917.12	104968.27	102886.68
G 40.0	101075.71	106673.29	111497.55	114275.47	115474.95	115922.47	115474.95	114275.47	111497.55	106673.29	101075.71	96690.23	94675.29
G 45.0	88792.74	93399.98	98638.11	102697.65	105341.42	107120.38	105341.42	102697.65	98638.11	93399.98	88792.74	79307.53	58111.01
G 50.0	60949.78	81536.65	86714.78	87898.22	88547.31	89252.60	88547.31	87898.22	86714.78	81536.65	60949.78	33545.99	22330.00
G 55.0	27201.19	50324.27	71349.12	74398.68	68880.21	62957.35	68880.21	74398.68	71349.12	50324.27	27201.19	14237.77	12879.46
G 60.0	11209.54	26590.70	51710.39	37024.95	22585.58	17237.66	22585.58	37024.95	51710.39	26590.70	11209.54	8884.40	10938.30
G 65.0	5982.53	6967.01	9637.74	7423.50	5718.25	5408.98	5718.25	7423.50	6967.01	5982.53	5982.53	5982.53	5982.53
G 70.0	6585.80	5538.39	5408.80	5536.48	5502.96	5245.81	5502.96	5536.48	5408.80	5538.39	6585.80	8121.24	8894.51
G 75.0	6679.76	6042.26	5833.31	5780.66	5682.86	5508.21	5682.86	5780.66	5833.31	6042.26	6679.76	8003.54	8754.21
G 80.0	8019.84	7511.76	7343.23	7134.80	6785.76	6334.47	6785.76	7134.80	7343.23	7511.76	8019.84	8748.74	9106.87
G 85.0	12573.83	11956.86	11818.90	11544.37	10949.79	10119.46	10949.79	11544.37	11818.90	11956.86	12573.83	13488.82	13834.51
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 90-5149-14-37  
 Name OUT SQUARE 44.8W 90 3000K

**Measur.**

Code 90-5139-14-37  
 Name OUT SQUARE 38.6W 80 3000K

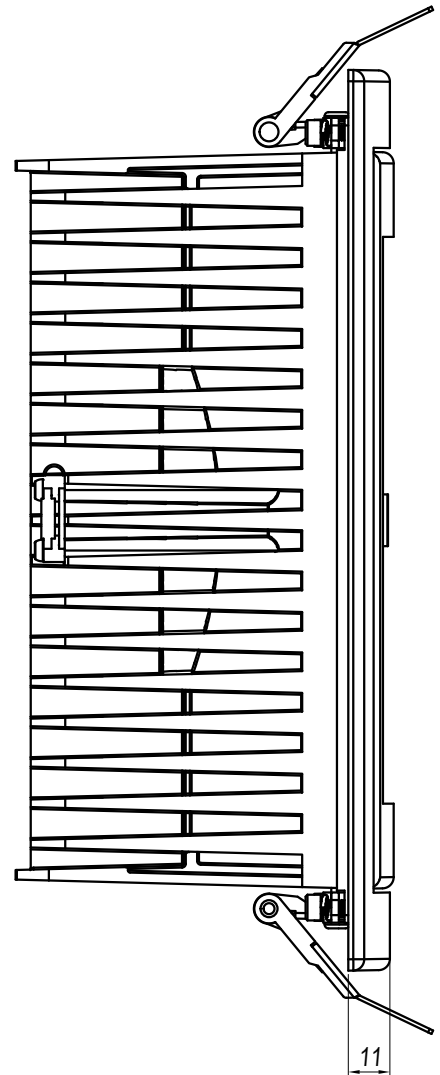
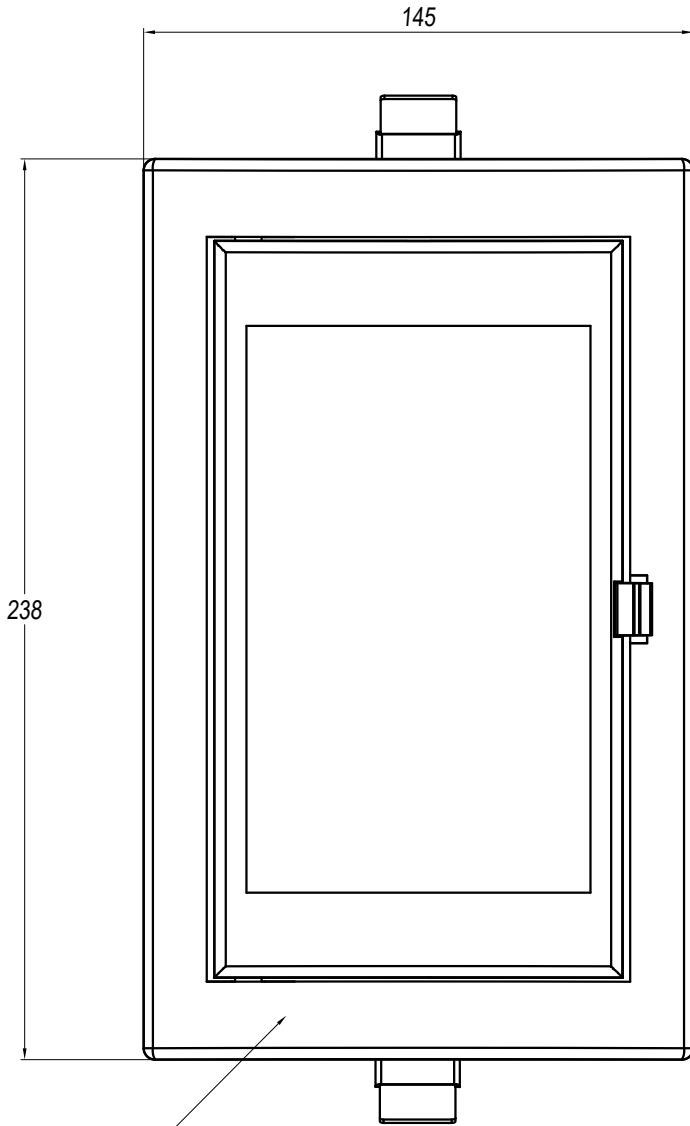
Luminaire Flux	3196.50 lm	Luminaire Power	45.00 W	Efficacy	71.03 lm/W	Efficiency	100.00%
Lamps Flux	3196.50 lm	Maximum value	1906.30 cd	Position	C=15.00 G=10.00	CG	Double Symmetrical

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

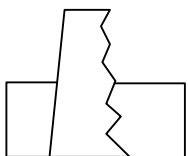
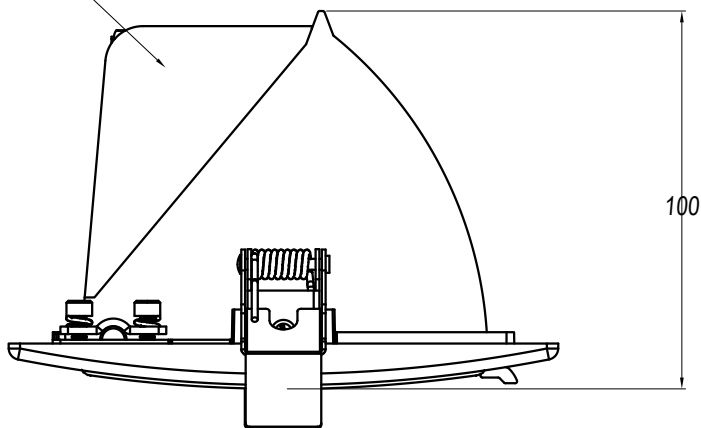
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90	137327.90
G 5.0	138456.90	138445.00	138456.90	138622.71	138954.86	138989.94	139172.99	139541.35	139660.77	139699.29
G 10.0	136815.90	136711.51	136815.90	137495.62	138870.53	140572.13	142088.67	143060.83	143393.37	143311.50
G 15.0	132567.82	132319.53	132567.82	133396.10	135639.77	138406.91	140991.34	142759.71	143318.77	142946.90
G 20.0	127181.79	126754.94	127181.79	128680.37	132023.67	134643.76	137181.39	139668.31	140990.16	140803.18
G 25.0	120951.98	120597.47	120951.98	122156.55	125109.30	128122.73	131052.75	134062.91	136962.25	137908.41
G 30.0	110194.70	109513.44	110194.70	112560.63	117765.16	121645.02	125127.87	128866.12	132012.24	133148.24
G 35.0	102220.32	101689.42	102220.32	102886.68	104968.27	109917.12	115430.37	120159.65	124360.32	127135.99
G 40.0	91909.45	87233.75	91909.45	94675.29	96690.23	101075.71	106673.29	111497.55	114275.47	115474.95
G 45.0	43107.63	40357.21	43107.63	58111.01	79307.53	88792.74	93399.98	98638.11	102697.65	105341.42
G 50.0	20304.82	19469.17	20304.82	22330.00	33545.99	60949.78	81536.65	86714.78	87898.22	88547.31
G 55.0	12482.61	12385.05	12482.61	12879.46	14237.77	27201.19	50324.27	71349.12	74398.88	68880.21
G 60.0	11031.85	11368.53	11031.85	10938.30	8884.40	11209.54	26590.70	51710.39	37024.95	22585.58
G 65.0	10154.54	9871.68	10154.54	9966.71	8531.62	5982.53	6967.01	9637.74	7423.50	5718.25
G 70.0	8963.27	8694.87	8963.27	8894.51	8121.24	6585.80	5538.39	5408.80	5536.48	5502.96
G 75.0	8742.62	8238.87	8742.62	8754.21	8003.54	6679.76	6042.26	5833.31	5780.66	5682.86
G 80.0	8890.93	8258.02	8890.93	9106.87	8748.74	8019.84	7511.76	7343.23	7134.80	6785.76
G 85.0	13611.76	13085.83	13611.76	13834.51	13488.82	12573.83	11956.86	11818.90	11544.37	10949.79
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>2</sup>

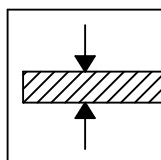
P\_OUT\_SQUARE



Aluminum



220x130



0-15mm

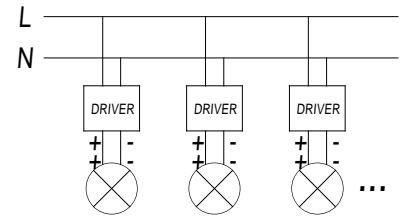
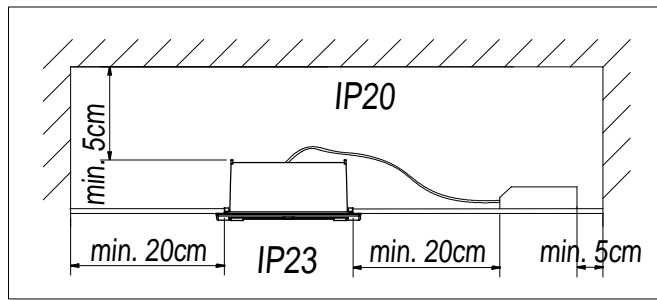
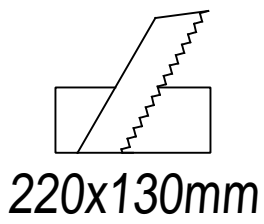
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11-05-15

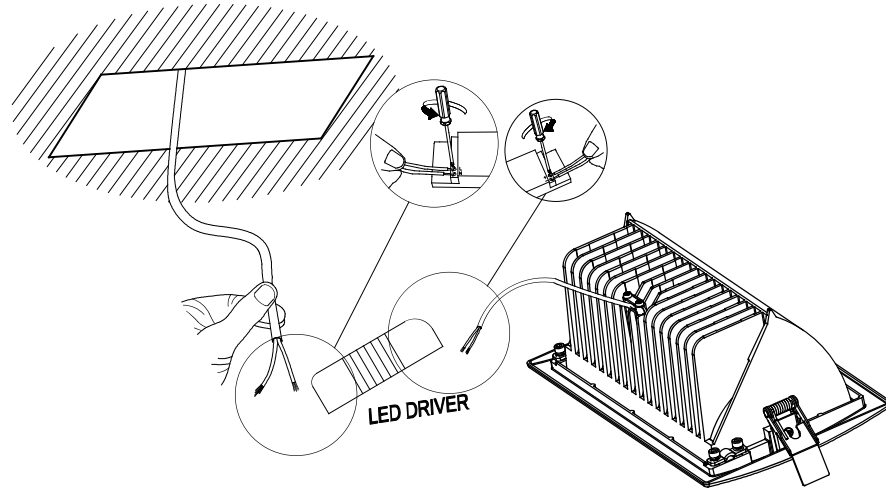
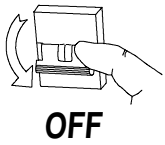


# LEDS C4<sup>+</sup>

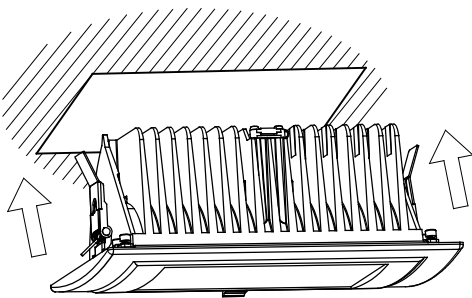
IMC OUT SQUARE



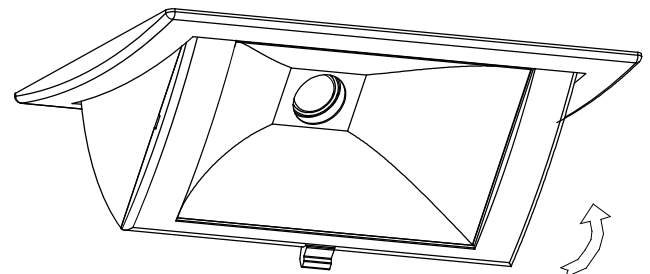
1



2



3



ON

