



Helio Alumiunium

LedsC4 Team

Proyector IP65 Helio Alumiunium GU10 8W Negro 160lm

Características técnicas

Potencia total luminaria: 8W

Ángulo Ópticas / Reflector: MEDIUM 28°

Material de la estructura: Aluminio

Acabado estructura: Negro

Material del difusor: Cristal

Acabado difusor: Transparente

Medida máx. de la bombilla: 70/NA mm

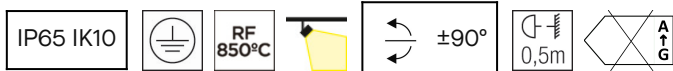
Bombilla recomendada: GU10

Voltaje / Frecuencia: 100-240V/50-60Hz

Garantía: 5 años

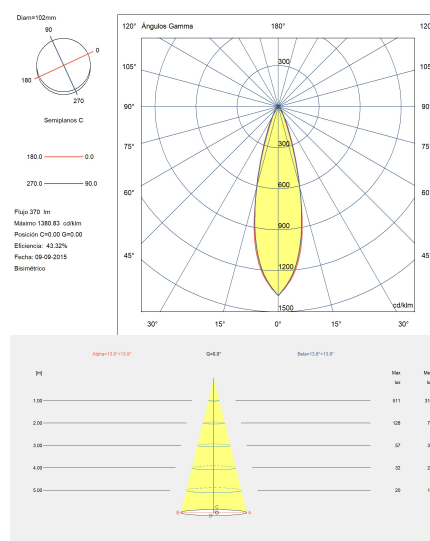
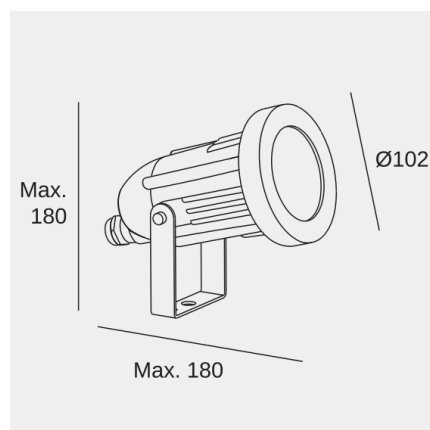
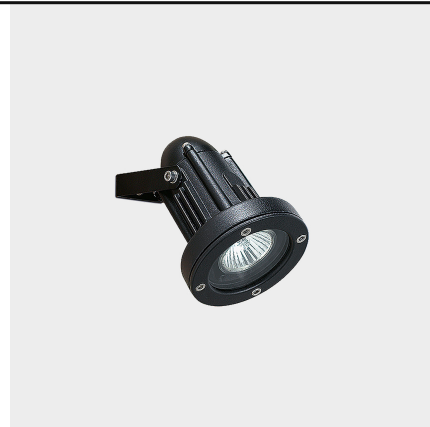
Resistencia ambientes marinos: Sí

Luminaria fácilmente reciclable



Características luminotécnicas

Portalámparas	Cantidad	Potencia fuente de luz (W)	Temperatura de color correlacionada (CCT)
GU10	1	Potencia máx. 8W	-



Fotometría realizada con una bombilla estándar

La imagen puede no coincidir con la referencia, LedsC4 se reserva el derecho de modificación de alguno de los componentes que componen el producto. Los datos relativos al flujo, la potencia y la temperatura de color pueden estar sujetos a cambios del fabricante.

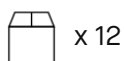


Helio Aluminiunium

LedsC4 Team

Proyector IP65 Helio Aluminiunium GU10 8W Negro 160lm

Logística



x 12

Peso neto (Kg): 0.68

Peso embalado (Kg): 0.76

Embalaje: 110mm x 110mm x 180mm

Aplicación de la luminaria



La imagen puede no coincidir con la referencia, LedsC4 se reserva el derecho de modificación de alguno de los componentes que componen el producto. Los datos relativos al flujo, la potencia y la temperatura de color pueden estar sujetos a cambios del fabricante.



Helio Alumiunium

LedsC4 Team

Proyector IP65 Helio Alumiunium GU10 8W Negro 160lm

Accesorios incluidos



Spike

Accesorios opcionales



71-9746-05-05

Anclaje a pérgolas hasta 3 proyectores

Material de la estructura: Policarbonato

Medidas: NA x NA x NA

Peso neto (Kg): 0.11



71-9999-Z5-Z5

Fijación para columnas o árboles

Material de la estructura: Aluminio

Medidas: 30 x NA x 108

Peso neto (Kg): 0.3

La imagen puede no coincidir con la referencia, LedsC4 se reserva el derecho de modificación de alguno de los componentes que componen el producto. Los datos relativos al flujo, la potencia y la temperatura de color pueden estar sujetos a cambios del fabricante.

Luminaire

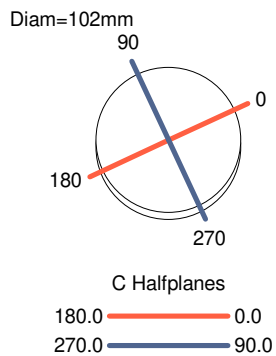
Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

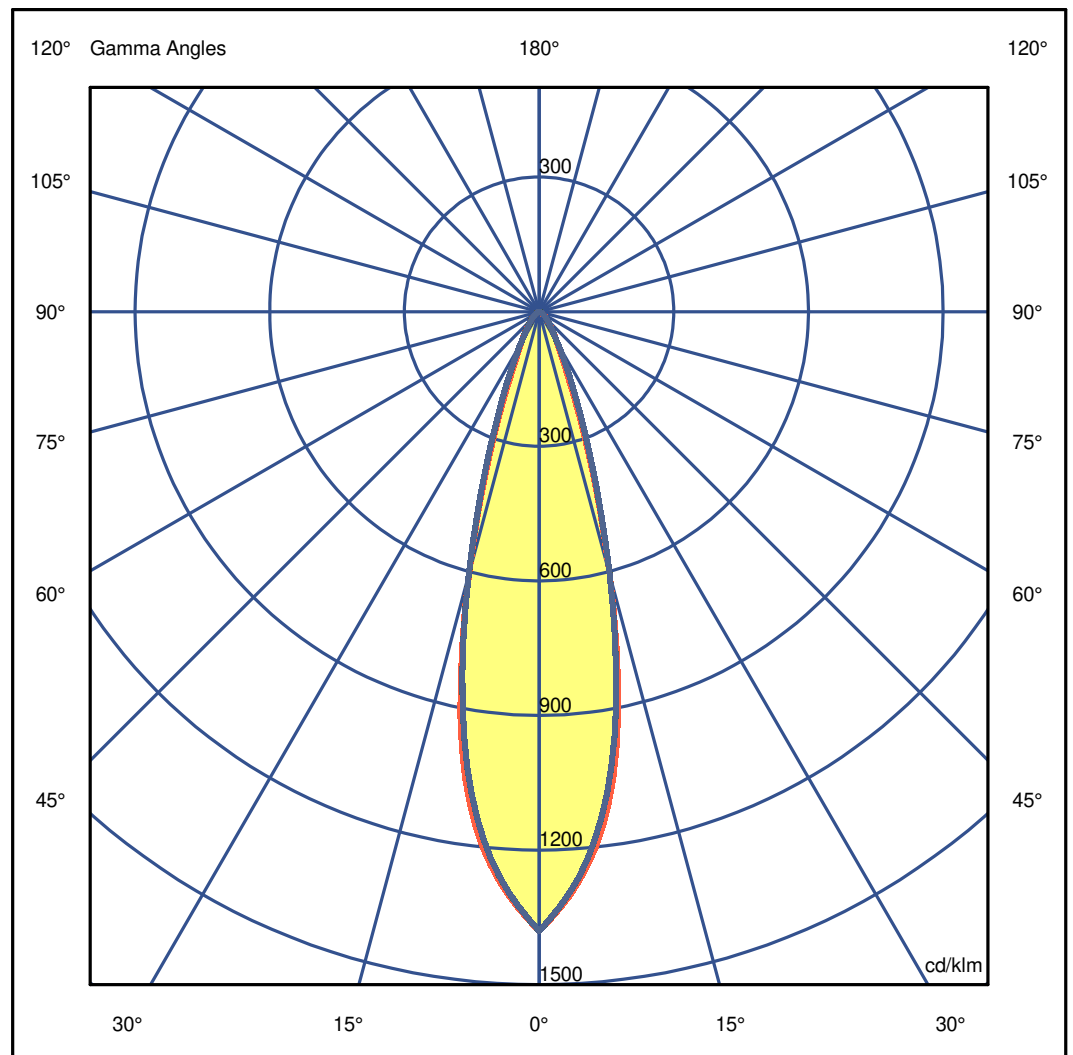
Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	102 mm	Height	180 mm		
Round Luminous Area		Diam.	75 mm	Height	0 mm		
Horizontal Luminous Area		0.004418 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°		0.001069 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		09-09-2015		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		370 lm	
Operator		Asselum T3		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	LED	64826FL	370.00	100.00	1	
C.I.E.	91 97 99 100 43	D DIN 5040	A60			
F UTE	0.43 A	B NBN	BZ 1			



ULOR 0.00 %
DLOR 43.32 %
RN 0.00 %



Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminous Intensity Table cd/klm 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	1380.83	1380.83	1380.83	1380.83	1380.83	1380.83	1380.83
G 5.0	1238.48	1229.54	1252.81	1243.73	1227.65	1235.97	1225.63
G 10.0	989.72	981.93	978.19	973.11	962.72	972.48	963.46
G 15.0	605.20	590.59	591.18	595.02	585.40	612.28	606.61
G 20.0	293.60	291.37	298.13	303.15	299.87	319.98	314.33
G 25.0	136.12	134.77	142.08	150.93	151.76	159.52	161.99
G 30.0	81.31	81.15	84.30	85.83	84.13	86.93	83.82
G 35.0	52.07	51.98	51.85	52.18	50.59	52.04	50.81
G 40.0	33.72	34.23	34.60	34.17	33.97	34.39	33.82
G 45.0	24.02	23.70	24.29	24.58	23.89	24.08	24.29
G 50.0	18.58	18.24	18.23	18.63	17.67	17.38	16.29
G 55.0	10.75	11.06	11.67	12.41	12.75	12.92	12.34
G 60.0	8.06	8.23	8.62	8.88	8.45	8.08	7.73
G 65.0	7.09	7.22	7.59	7.73	7.37	7.05	6.73
G 70.0	5.78	5.84	6.00	6.04	5.78	5.64	5.45
G 75.0	4.35	4.34	4.39	4.39	4.27	4.22	4.09
G 80.0	3.16	3.13	3.15	3.14	3.07	3.05	3.01
G 85.0	2.12	2.14	2.16	2.13	2.09	2.08	2.04
G 90.0	0.68	0.67	0.69	0.71	0.73	0.74	0.72

Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

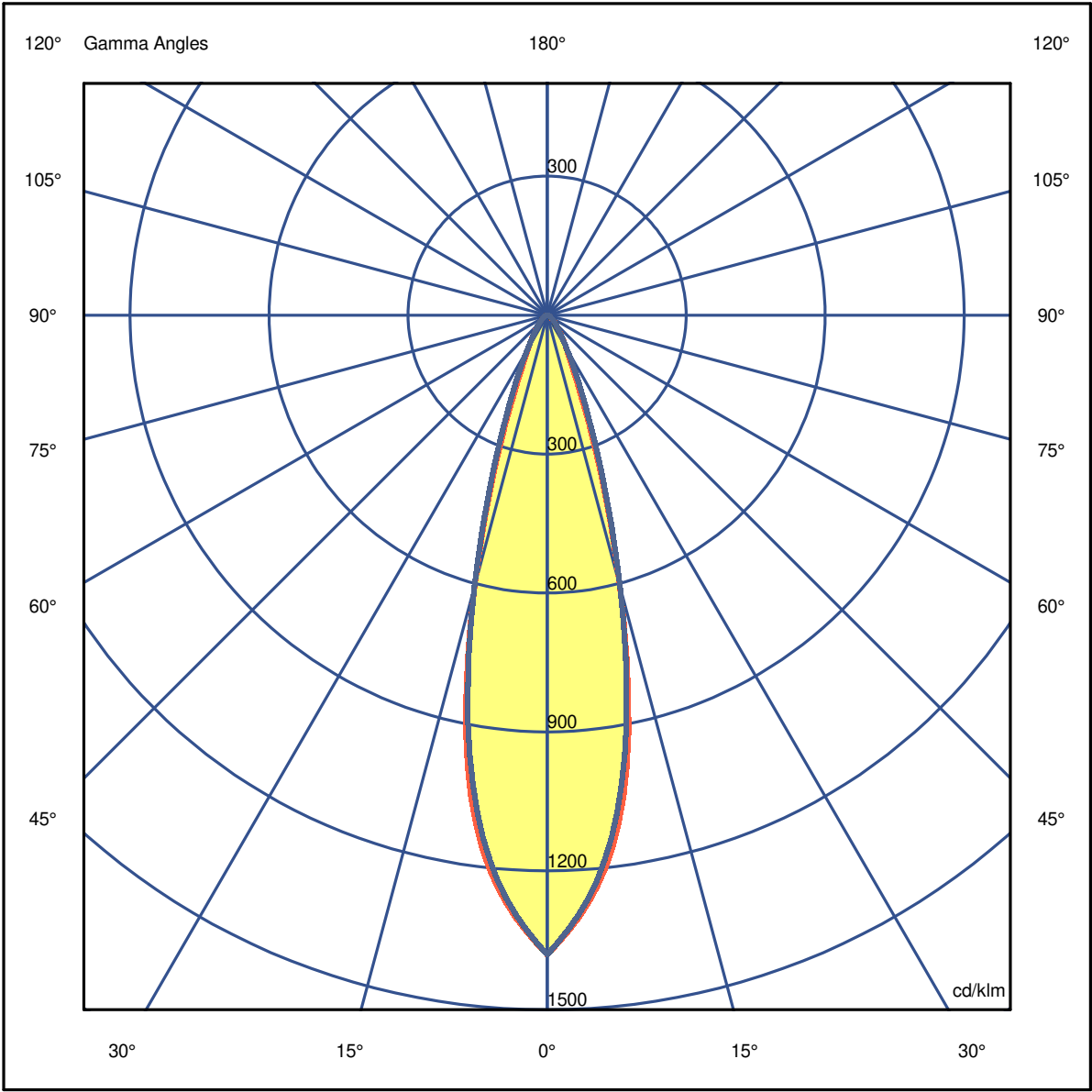
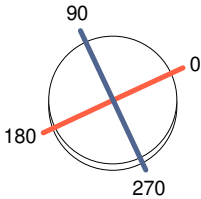
Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

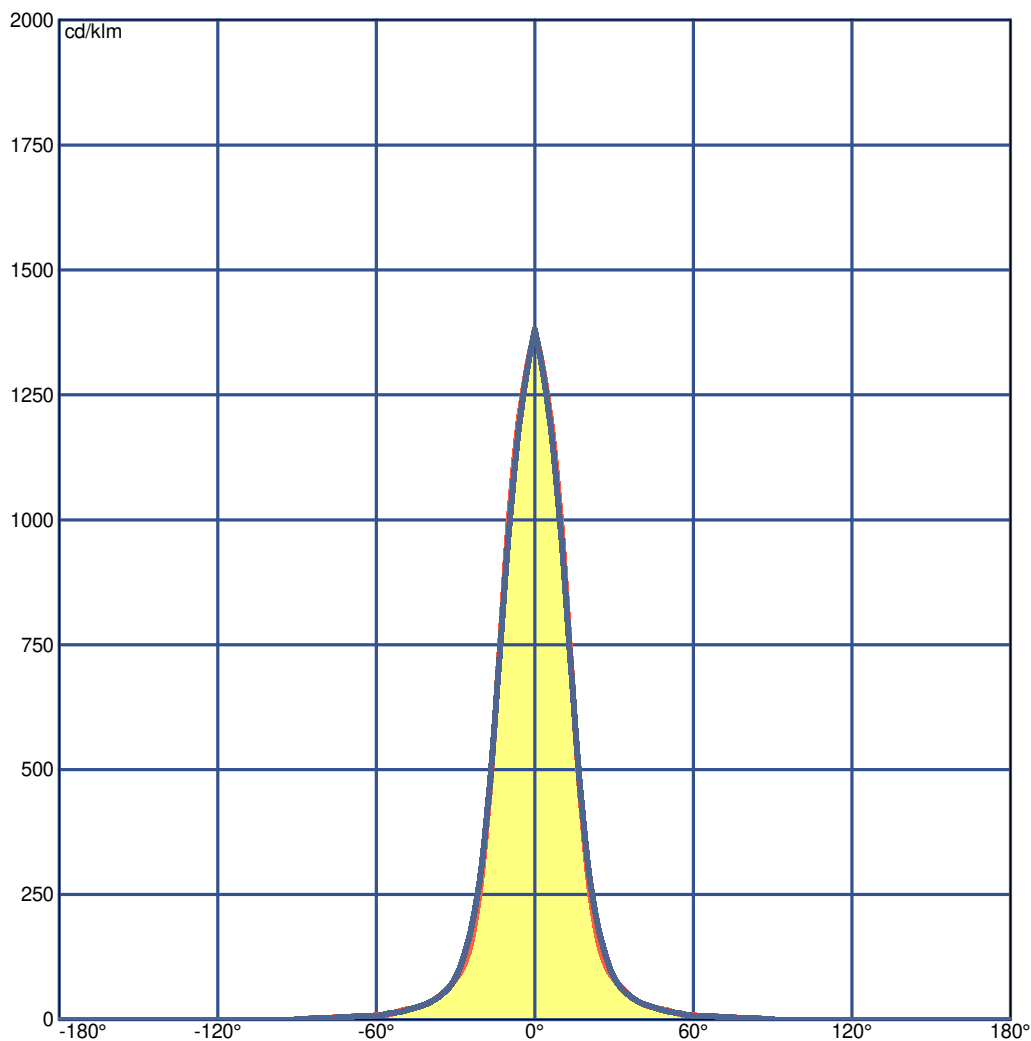
Diam=102mm

C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire							
Code	05-9640-05-37V1						
Name	Aplique HELIO 1x50W GU10						
Measurem.							
Code	05-9640-05-37V1						
Name	Aplique HELIO 1x50W GU10						
Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical



Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

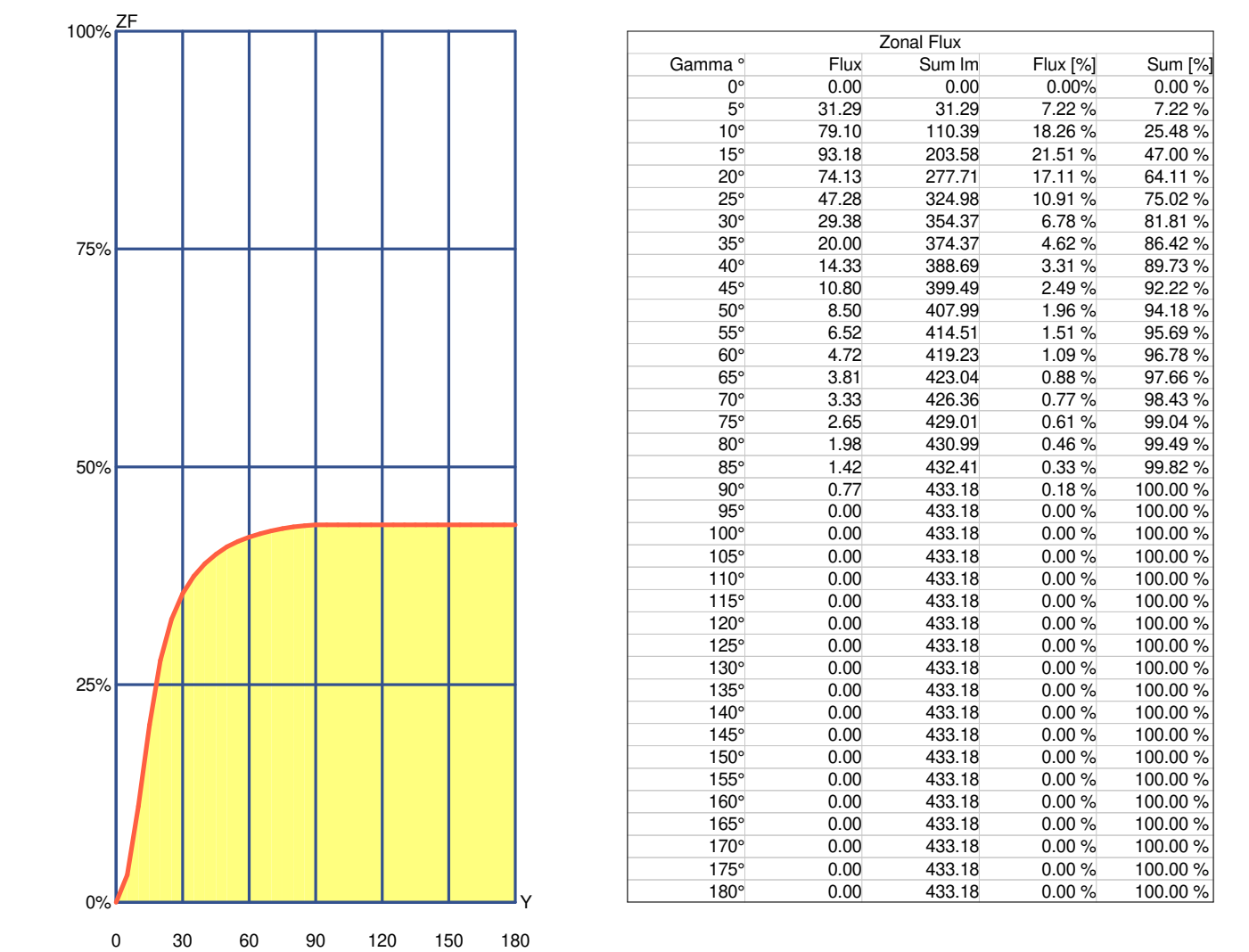
Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	9.7	10.4	9.9	10.6	10.8	9.7	10.5	10.0	10.6	10.9
x=2H y=3H	10.6	11.3	10.9	11.5	11.7	10.5	11.2	10.8	11.5	11.7
x=2H y=4H	11.0	11.7	11.4	11.9	12.2	11.0	11.6	11.3	11.9	12.1
x=2H y=6H	11.5	12.1	11.8	12.4	12.7	11.4	12.0	11.7	12.3	12.6
x=2H y=8H	11.8	12.3	12.1	12.6	12.9	11.6	12.2	12.0	12.5	12.8
x=2H y=12H	12.0	12.5	12.3	12.9	13.2	11.9	12.4	12.2	12.7	13.1
x=4H y=2H	10.0	10.6	10.3	10.9	11.2	10.0	10.7	10.3	10.9	11.2
x=4H y=3H	11.2	11.7	11.5	12.0	12.3	11.1	11.7	11.5	12.0	12.3
x=4H y=4H	11.8	12.3	12.2	12.6	13.0	11.7	12.2	12.1	12.5	12.9
x=4H y=6H	12.4	12.8	12.9	13.2	13.6	12.3	12.7	12.7	13.1	13.5
x=4H y=8H	12.8	13.2	13.2	13.5	13.9	12.7	13.0	13.1	13.4	13.8
x=4H y=12H	13.2	13.4	13.6	13.9	14.3	13.0	13.3	13.4	13.7	14.1
x=8H y=4H	12.1	12.5	12.5	12.8	13.2	12.0	12.4	12.4	12.7	13.1
x=8H y=6H	12.9	13.2	13.3	13.6	14.0	12.8	13.0	13.2	13.5	13.9
x=8H y=8H	13.4	13.6	13.8	14.0	14.5	13.2	13.5	13.7	13.9	14.4
x=8H y=12H	13.9	14.1	14.4	14.5	15.0	13.7	13.9	14.2	14.4	14.9
x=12H y=4H	12.1	12.4	12.5	12.8	13.3	12.0	12.3	12.4	12.7	13.2
x=12H y=6H	13.0	13.2	13.5	13.6	14.1	12.9	13.1	13.3	13.5	14.0
x=12H y=8H	13.5	13.7	14.0	14.2	14.7	13.4	13.6	13.9	14.1	14.6

Luminaire							
Code	05-9640-05-37V1						
Name	Aplique HELIO 1x50W GU10						
Measur.							
Code	05-9640-05-37V1						
Name	Aplique HELIO 1x50W GU10						
Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=370.00 Luminaire Flux=160.28												
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	0.66	0.71	0.77	0.81	0.84	0.89	0.92	0.94	0.96	0.98	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-
Zonal Flux per 1000 Lumen												
Y°	10	20	30	40	50	60	70	80	90	100	110	120
ZF(Y)	110	278	354	389	408	419	426	431	433	433	433	433
CIE Flux Codes												
91 97 99 100 43												
C.I.E.												
D DIN 5040												
F UTE												
B NBN												
RN												
BLF												
-/-/-/-/-/-/-/-/-/-/-/-/-/-/-/-												
A60												
0.43 A												
BZ 1												
0.00000 %												
1.0												
LOR												
43.31802 %												
ULOR												
0.00000 %												
DLOR												
43.31802 %												
UFF												
0.00000 %												
DFF												
100.00000 %												
FFR												
0.00000 %												



Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Utilizations CIE

Mounting	Direct			Normalization			Normalised			Suspension Ratio d/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	74	66	45	40	63	38	42	36	24	21	15	11	8	5	19	12	10	6	5	10	5	5	0		
0.80	88	81	48	45	77	43	54	48	29	25	18	15	11	8	23	15	14	9	8	13	8	7	0		
1.00	98	91	49	46	87	44	65	58	31	28	21	18	14	11	26	18	17	12	10	16	10	9	0		
1.25	108	101	49	47	97	45	76	69	33	30	24	21	17	14	29	21	20	15	13	19	13	12	0		
1.50	115	109	49	47	104	45	84	78	35	32	27	23	20	16	31	23	22	18	16	21	16	14	0		
2.00	125	120	48	46	115	45	98	91	36	34	30	27	24	21	33	27	26	22	20	24	20	19	0		
2.50	132	127	46	45	122	44	107	101	37	36	32	29	27	24	34	29	28	25	23	27	23	22	0		
3.00	136	133	45	44	127	43	114	109	38	37	34	31	30	27	35	31	30	28	26	29	26	24	0		
4.00	143	140	45	44	134	43	124	120	39	38	36	34	33	31	37	34	33	31	30	32	30	28	0		
5.00	148	145	44	44	139	43	131	127	40	39	38	36	36	33	38	36	35	34	32	34	32	31	0		
10.00	158	156	44	44	150	43	146	144	42	42	42	41	41	39	40	40	39	39	38	38	38	37	0		
20.00	163	163	44	44	156	43	155	154	43	43	44	43	44	43	42	42	42	42	42	41	41	40	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	134	130	97	95	127	94	100	98	76	74	63	62	55	54	73	62	62	54	54	61	54	53	44
0.80	149	145	104	102	142	100	115	112	84	82	72	70	63	62	81	70	69	62	61	69	61	61	49
1.00	157	152	104	102	148	100	124	120	86	84	75	73	66	65	82	73	72	65	64	71	64	64	51
1.25	165	161	104	103	155	101	133	128	88	86	78	76	70	69	84	76	75	69	68	74	68	67	53
1.50	170	166	104	103	160	101	139	135	89	88	80	78	73	71	85	78	77	71	70	75	70	68	53
2.00	172	168	97	96	161	94	143	139	85	84	78	76	72	70	81	75	74	70	68	72	68	66	49
2.50	170	167	89	88	159	86	144	140	79	78	74	72	69	67	75	70	69	66	65	67	64	62	44
3.00	167	164	81	80	155	78	142	138	73	72	68	66	64	62	68	65	64	61	60	61	58	56	37
4.00	165	163	74	73	153	71	143	139	67	66	64	62	61	59	62	60	59	57	56	56	54	51	31
5.00	162	160	68	67	150	65	141	138	62	61	59	58	57	55	57	55	54	53	52	51	49	46	26
10.00	141	140	38	38	128	35	124	122	34	34	33	33	33	31	29	29	28	28	27	24	24	20	0
20.00	97	96	0	0	83	0	82	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	372	368	347	345	365	343	332	329	320	318	304	303	293	292	317	303	302	292	292	302	292	291	287
0.80	402	397	371	368	393	366	360	356	344	342	328	326	316	315	340	326	325	315	314	324	314	314	309
1.00	428	423	390	388	417	385	387	382	366	363	351	348	339	338	361	348	347	338	337	346	337	336	332
1.25	450	445	406	404	438	401	409	404	383	381	369	367	359	356	378	366	365	356	355	363	355	353	349
1.50	467	461	417	415	453	411	426	420	396	394	383	380	373	370	390	379	378	370	369	376	368	366	362
2.00	492	487	433	431	476	428	454	448	416	414	406	403	397	394	409	401	400	394	392	397	390	388	384
2.50	508	503	443	442	491	438	472	467	429	427	420	418	414	410	422	415	414	409	407	410	405	402	398
3.00	519	515	450	449	502	445	486	480	437	436	431	428	425	422	430	425	424	420	418	420	416	412	408
4.00	532	529	457	456	514	452	501	496	446	445	441	439	437	434	439	435	434	431	429	429	426	421	417
5.00	540	537	460	460	522	456	511	507	451	450	448	446	444	442	443	440	440	438	436	434	432	426	423
10.00	557	555	468	468	537	463	532	529	462	461	461	460	460	458	453	452	452	452	451	445	444	437	434
20.00	566	565	471	471	545	467	543	542	467	466	467	466	467	466	458	458	458	458	458	450	450	442	438

LM53 SHR C0-C180: 0.462 SHR C90-C270: 0.462 SHR Square: 0.467

LedsC4

Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

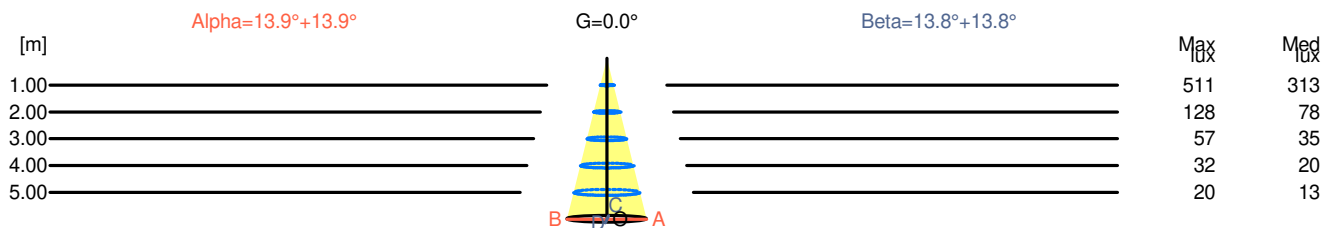
Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	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	0.25	0.50	0.74	0.99	1.24	OC	0.25	0.49	0.74	0.98	1.23
OB	0.25	0.50	0.74	0.99	1.24	OD	0.25	0.49	0.74	0.98	1.23

	0	5	15	25	35	45	55	65	75	85
OA	510.91	458.24	223.92	50.37	19.27	8.89	3.98	2.62	1.61	0.78
OB	510.91	458.24	223.92	50.37	19.27	8.89	3.98	2.62	1.61	0.78
OC	510.91	453.48	224.45	59.94	18.80	8.99	4.57	2.49	1.51	0.75
OD	510.91	453.48	224.45	59.94	18.80	8.99	4.57	2.49	1.51	0.75



H[m]	D[m]	Max lux	Med lux	Alpha=13.9°+13.9°	G=0.0
1.00	0.50	511	313		
2.00	0.99	128	78		
3.00	1.49	57	35		
4.00	1.98	32	20		
5.00	2.48	20	13		

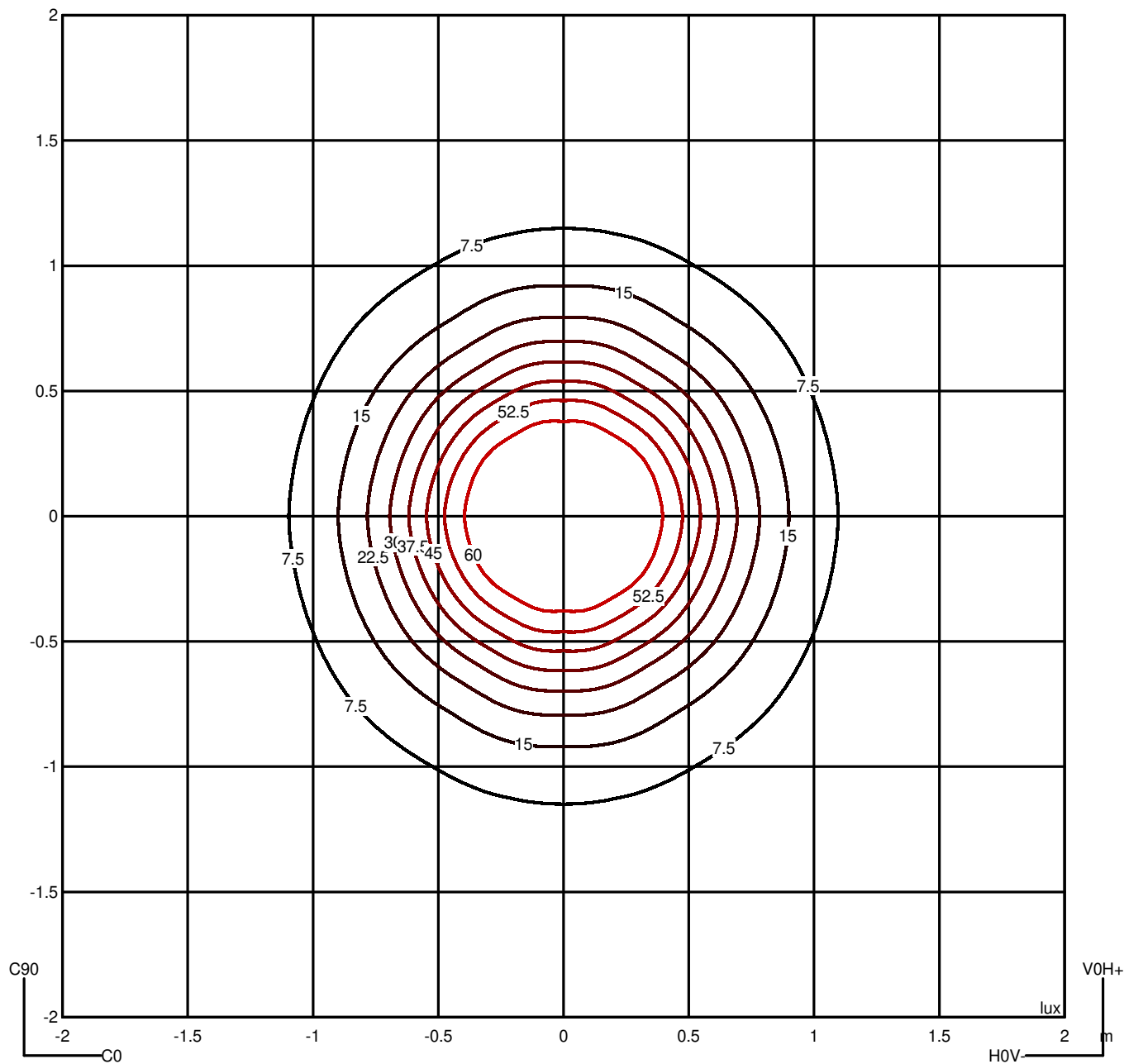
H[m]	D[m]	Max lux	Med lux	Beta=13.8°+13.8°	G=0.0
1.00	0.49	511	313		
2.00	0.98	128	78		
3.00	1.48	57	35		
4.00	1.97	32	20		
5.00	2.46	20	13		

Luminaire
Code 05-9640-05-37V1
Name Applique HELIO 1x50W GU10
Measur.
Code 05-9640-05-37V1
Name Applique HELIO 1x50W GU10

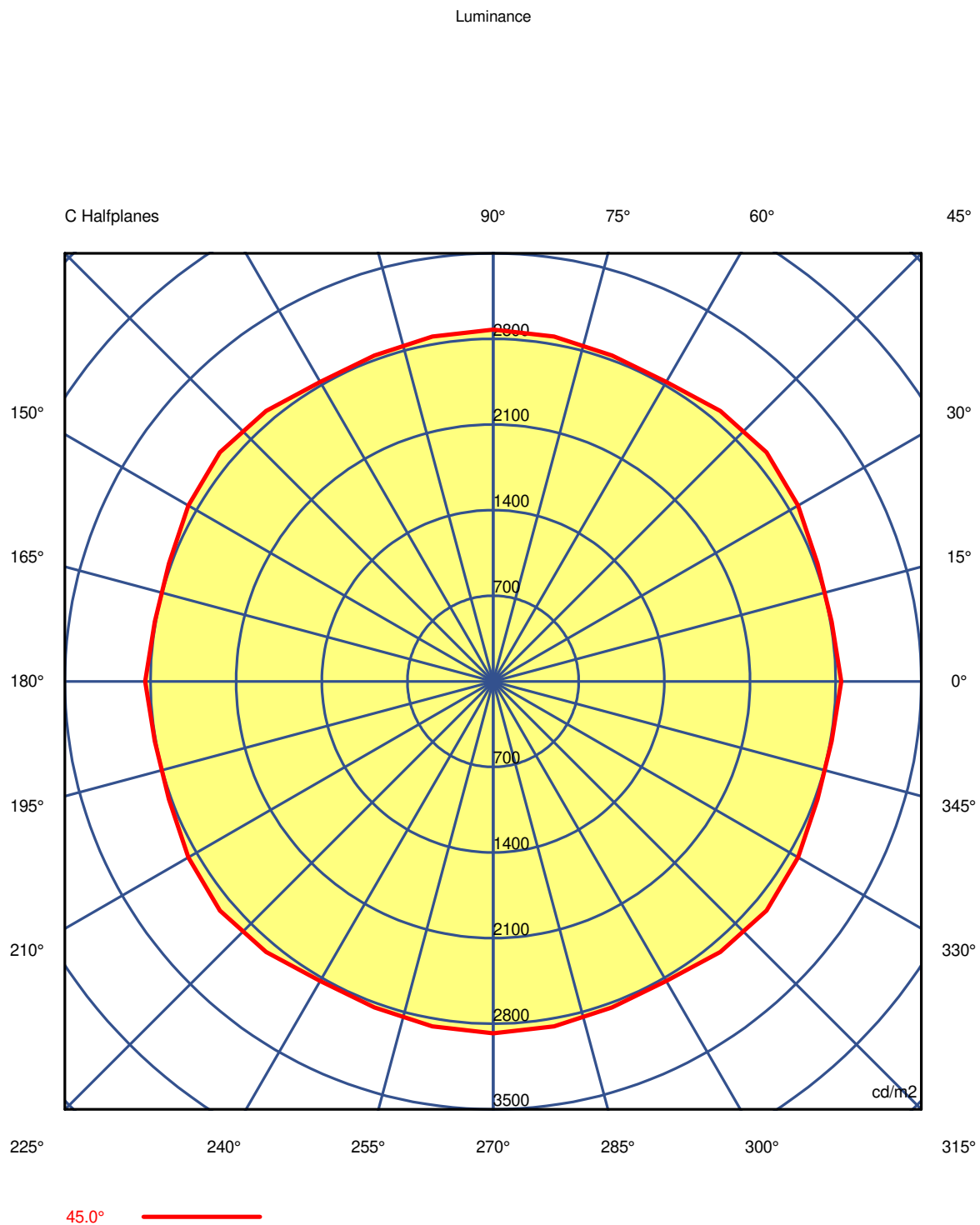
Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Isolux (Floor)

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



Luminaire							
Code	05-9640-05-37V1						
Name	Aplique HELIO 1x50W GU10						
Measurem.							
Code	05-9640-05-37V1						
Name	Aplique HELIO 1x50W GU10						
Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical



Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurment

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux		160 lm		Luminaire Power		100.0 W		Efficacy		1.603 lm/W		Efficiency		43.32%													
Source Flux		370 lm		Maximum value		1380.83 cd/klm		Position		C=0.00 G=0.00		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	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50
G 5.0	104119.64	103286.90	103949.18	105324.56	105112.46	103946.13	103209.69	103683.34	103827.50	103039.96	103827.50	103683.34	103209.69	103683.34	103827.50	103683.34	103209.69	103683.34	103827.50	103683.34	103209.69	103683.34	103827.50	103683.34	103209.69	103683.34	103209.69
G 10.0	84168.92	83697.34	83364.18	83187.91	82996.47	82375.11	81872.09	82443.74	82653.85	81935.65	82653.85	82443.74	81872.09	82653.85	82443.74	81872.09	82653.85	82443.74	82653.85	81935.65	82653.85	82443.74	81872.09	82653.85	82443.74	81872.09	
G 15.0	52473.72	51521.85	51070.93	51258.82	51667.75	51312.98	50757.04	52327.75	53296.44	52596.30	53296.44	52327.75	50757.04	53296.44	52327.75	50757.04	53296.44	52327.75	53296.44	52596.30	53296.44	52327.75	50757.04	53296.44	52327.75	50757.04	
G 20.0	26167.01	25961.58	26093.66	26571.46	27011.33	26921.02	26726.12	27967.97	28638.41	28014.69	28638.41	27967.97	26726.12	28638.41	28014.69	28638.41	27967.97	26726.12	28638.41	28014.69	28638.41	27967.97	26726.12	28638.41	28014.69	28638.41	
G 25.0	12578.87	12426.34	12593.22	13129.33	13757.43	13990.91	14024.16	14491.28	14887.87	14969.73	14887.87	14491.28	14024.16	14887.87	14969.73	14887.87	14491.28	14024.16	14887.87	14969.73	14887.87	14491.28	14024.16	14887.87	14969.73	14887.87	
G 30.0	7863.18	7820.21	7926.03	8152.11	8303.25	8233.46	8135.81	8331.54	8376.43	8105.96	8376.43	8331.54	8135.81	8376.43	8105.96	8376.43	8331.54	8135.81	8376.43	8105.96	8376.43	8331.54	8135.81	8376.43	8105.96	8376.43	
G 35.0	5323.78	5317.36	5302.65	5300.98	5323.44	5276.79	5172.61	5270.92	5315.38	5195.29	5315.38	5270.92	5172.61	5315.38	5195.29	5315.38	5270.92	5172.61	5315.38	5195.29	5315.38	5270.92	5172.61	5315.38	5195.29	5315.38	
G 40.0	3687.00	3722.92	3761.81	3782.33	3755.66	3718.71	3713.69	3749.59	3751.30	3697.96	3751.30	3749.59	3713.69	3751.30	3697.96	3751.30	3749.59	3713.69	3751.30	3697.96	3751.30	3749.59	3713.69	3751.30	3697.96	3751.30	
G 45.0	2844.88	2808.58	2821.57	2877.46	2916.09	2886.50	2829.01	2836.91	2864.14	2876.79	2864.14	2836.91	2829.01	2864.14	2876.79	2864.14	2836.91	2829.01	2864.14	2876.79	2864.14	2836.91	2829.01	2864.14	2876.79	2864.14	
G 50.0	2420.77	2389.44	2366.07	2375.57	2410.44	2395.37	2302.20	2277.58	2231.74	2122.39	2231.74	2122.39	2302.20	2277.58	2231.74	2122.39	2302.20	2277.58	2231.74	2122.39	2231.74	2122.39	2302.20	2277.58	2231.74	2122.39	
G 55.0	1570.23	1596.51	1639.38	1704.68	1781.21	1833.66	1861.15	1886.51	1868.36	1801.72	1868.36	1801.72	1868.36	1886.51	1868.36	1801.72	1868.36	1886.51	1868.36	1801.72	1868.36	1801.72	1868.36	1886.51	1868.36	1801.72	
G 60.0	1350.43	1365.84	1397.25	1444.56	1485.03	1472.09	1415.41	1371.15	1333.95	1294.26	1333.95	1294.26	1333.95	1371.15	1333.95	1294.26	1333.95	1371.15	1333.95	1294.26	1333.95	1294.26	1333.95	1371.15	1333.95	1294.26	
G 65.0	1404.57	1417.36	1452.96	1503.92	1534.11	1514.48	1460.43	1416.79	1377.07	1333.34	1377.07	1416.79	1460.43	1377.07	1333.34	1377.07	1416.79	1460.43	1377.07	1333.34	1377.07	1416.79	1460.43	1377.07	1333.34	1377.07	
G 70.0	1416.27	1423.33	1442.67	1470.03	1483.88	1460.73	1416.56	1392.07	1368.77	1334.94	1368.77	1392.07	1416.56	1368.77	1334.94	1368.77	1392.07	1416.56	1368.77	1334.94	1368.77	1392.07	1416.56	1368.77	1334.94	1368.77	
G 75.0	1407.82	1403.86	1408.93	1421.22	1427.07	1409.61	1381.12	1370.53	1354.78	1323.39	1354.78	1323.39	1381.12	1370.53	1354.78	1323.39	1354.78	1381.12	1370.53	1323.39	1354.78	1323.39	1381.12	1370.53	1323.39	1354.78	
G 80.0	1525.03	1511.36	1511.26	1520.65	1520.71	1504.19	1481.98	1472.43	1463.96	1449.78	1463.96	1449.78	1481.98	1472.43	1463.96	1449.78	1463.96	1472.43	1463.96	1449.78	1463.96	1449.78	1481.98	1472.43	1463.96	1449.78	
G 85.0	2035.71	2050.84	2064.76	2070.97	2060.02	2032.24	2005.81	2001.25	1988.51	1955.90	1988.51	2001.25	2005.81	1988.51	1955.90	1988.51	2001.25	2005.81	1988.51	1955.90	1988.51	2001.25	2005.81	1988.51	1955.90	1988.51	
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	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 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurment

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux		160 lm		Luminaire Power		100.0 W		Efficacy		1.603 lm/W		Efficiency		43.32%	
Source Flux		370 lm		Maximum value		1380.83 cd/klm		Position		C=0.00 G=0.00		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	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	
G 5.0	103946.13	105112.46	105324.56	103949.18	103286.90	104119.64	103286.90	103949.18	105324.56	105112.46	103946.13	103209.69	103683.34	103683.34	
G 10.0	82375.11	82996.47	83187.91	83364.18	83697.34	84168.92	83697.34	83364.18	83187.91	82996.47	82375.11	81872.09	82443.74	82443.74	
G 15.0	51312.98	51667.75	51258.82	51070.93	51521.85	52473.72	51521.85	51070.93	51258.82	51667.75	51312.98	50757.04	52327.75	52327.75	
G 20.0	26921.02	27011.33	26571.46	26093.66	25961.58	26167.01	25961.58	26093.66	26571.46	27011.33	26921.02	26726.12	27967.97	27967.97	
G 25.0	13990.91	13757.43	13129.33	12593.22	12426.34	12578.87	12426.34	12593.22	13129.33	13757.43	13990.91	14024.16	14491.28	14491.28	
G 30.0	8233.46	8303.25	8152.11	7926.03	7820.21	7863.18	7820.21	7926.03	8152.11	8303.25	8233.46	8135.81	8331.54	8331.54	
G 35.0	5276.79	5323.44	5300.98	5302.65	5317.36	5323.78	5317.36	5302.65	5300.98	5323.44	5276.79	5172.61	5270.92	5270.92	
G 40.0	3718.71	3755.66	3782.33	3761.81	3722.92	3687.00	3722.92	3761.81	3782.33	3755.66	3718.71	3713.69	3749.59	3749.59	
G 45.0	2886.50	2916.09	2877.46	2821.57	2808.58	2844.88	2808.58	2821.57	2877.46	2916.09	2886.50	2829.01	2836.91	2836.91	
G 50.0	2395.37	2410.44	2375.57	2366.07	2389.44	2420.77	2389.44	2366.07	2375.57	2410.44	2395.37	2302.20	2277.58	2277.58	
G 55.0	1833.66	1781.21	1704.68	1639.38	1596.51	1570.23	1596.51	1639.38	1704.68	1781.21	1833.66	1861.15	1886.51	1886.51	
G 60.0	1472.09	1485.03	1444.56	1397.25	1365.84	1350.43	1365.84	1397.25	1444.56	1485.03	1472.09	1415.41	1371.15	1371.15	
G 65.0	1514.48	1534.11	1503.92	1452.96	1417.36	1404.57	1417.36	1452.96	1503.92	1534.11	1514.48	1460.43	1416.79	1416.79	
G 70.0	1460.73	1483.88	1470.03	1442.67	1423.33	1416.27	1423.33	1442.67	1470.03	1483.88	1460.73	1416.56	1392.07	1392.07	
G 75.0	1409.61	1427.07	1421.22	1408.93	1403.86	1407.82	1403.86	1408.93	1421.22	1427.07	1409.61	1381.12	1370.53	1370.53	
G 80.0	1504.19	1520.71	1520.65	1511.26	1511.36	1525.03	1511.36	1511.26	1520.65	1520.71	1504.19	1481.98	1472.43	1472.43	
G 85.0	2032.24	2060.02	2070.97	2064.76	2050.84	2035.71	2050.84	2064.76	2070.97	2060.02	2032.24	2005.81	2001.25	2001.25	
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	0.00	

Luminaire

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power		100.0 W		Efficacy	1.603 lm/W		Efficiency	43.32%
Source Flux	370 lm	Maximum value		1380.83 cd/klm		Position	C=0.00 G=0.00		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	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50	115645.50
G 5.0	103827.50	103039.96	103827.50	103683.34	103209.69	103946.13	105112.46	105324.56	103949.18	103286.90
G 10.0	82653.85	81935.65	82653.85	82443.74	81872.09	82375.11	82996.47	83187.91	83364.18	83697.34
G 15.0	53296.44	52596.30	53296.44	52327.75	50757.04	51312.98	51667.75	51258.82	51070.93	51521.85
G 20.0	28638.41	28014.69	28638.41	27967.97	26726.12	26921.02	27011.33	26571.46	26093.66	25961.58
G 25.0	14887.87	14969.73	14887.87	14491.28	14024.16	13990.91	13757.43	13129.33	12593.22	12426.34
G 30.0	8376.43	8105.96	8376.43	8331.54	8135.81	8233.46	8303.25	8152.11	7926.03	7820.21
G 35.0	5315.38	5195.29	5315.38	5270.92	5172.61	5276.79	5323.44	5300.98	5302.65	5317.36
G 40.0	3751.30	3697.96	3751.30	3749.59	3713.69	3718.71	3755.66	3782.33	3761.81	3722.92
G 45.0	2864.14	2876.79	2864.14	2836.91	2829.01	2886.50	2916.09	2877.46	2821.57	2808.58
G 50.0	2231.74	2122.39	2231.74	2277.58	2302.20	2395.37	2410.44	2375.57	2366.07	2389.44
G 55.0	1868.36	1801.72	1868.36	1886.51	1861.15	1833.66	1781.21	1704.68	1639.38	1596.51
G 60.0	1333.95	1294.26	1333.95	1371.15	1415.41	1472.09	1485.03	1444.56	1397.25	1365.84
G 65.0	1377.07	1333.34	1377.07	1416.79	1460.43	1514.48	1534.11	1503.92	1452.96	1417.36
G 70.0	1368.77	1334.94	1368.77	1392.07	1416.56	1460.73	1483.88	1470.03	1442.67	1423.33
G 75.0	1354.78	1323.39	1354.78	1370.53	1381.12	1409.61	1427.07	1421.22	1408.93	1403.86
G 80.0	1463.96	1449.78	1463.96	1472.43	1481.98	1504.19	1520.71	1520.65	1511.26	1511.36
G 85.0	1988.51	1955.90	1988.51	2001.25	2005.81	2032.24	2060.02	2070.97	2064.76	2050.84
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

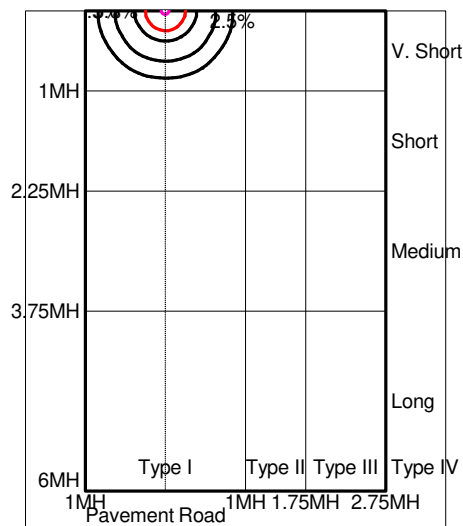
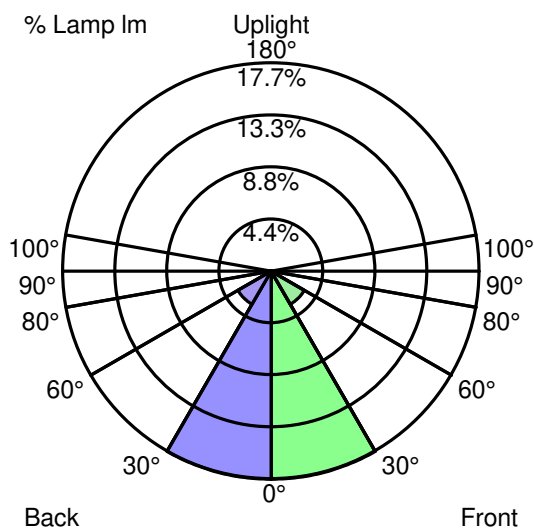
Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Measurem.

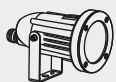
Code 05-9640-05-37V1
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160 lm	Luminaire Power	100.0 W	Efficacy	1.603 lm/W	Efficiency	43.32%
Source Flux	370 lm	Maximum value	1380.83 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	65.4 lm	17.7 %	40.8 %
FM	30° -- 60°	12.0 lm	3.3 %	7.5 %
FH	60° -- 80°	2.2 lm	0.6 %	1.4 %
FVH	80° -- 90°	0.4 lm	0.1 %	0.3 %
BL	0° -- 30°	65.4 lm	17.7 %	40.8 %
BM	30° -- 60°	12.0 lm	3.3 %	7.5 %
BH	60° -- 80°	2.2 lm	0.6 %	1.4 %
BVH	80° -- 90°	0.4 lm	0.1 %	0.3 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		160.3 lm	43.3 %	100.0 %
BUG B0 U0 G0 Type V Very Short Quadrilateral Symmetry				



HELIO ALUMINIUM

LedsC4

