LEDS C4

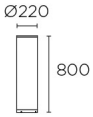
Installation Instructions
3D File
Photometry
Dialux | ULD
Revit

Citizen

60-3239-Z5-CL

CITIZEN head with 3000k LED





TECHNICAL FEATURES

IP65 IK10 BREEAM

Power (W) : 54W

Total power consumption of light (W) : 59W

Real lumens : 4257

Real lm/W : 72

Correlated Colour Temperature (CCT) : LED warm-white 3000K

Lens / reflector angle : FLOOD 88º

UGR : <=22

Structure material : Aluminium, Steel

Structure finish : Urban grey

Diffuser material : Polycarbonate

Diffuser finish : Transparent

Equipment included : Yes, electronic

Brand : MEANWELL

Voltage / frequency : 100-240V/50-60Hz

Warranty : 5 Years

Useful life : 50.000h L80B20

Max. temperature : 25ºC

Seaside : No

Energy efficiency : LED A++

LUMINOTECHNIC FEATURES

Light source: LED CREE

Luminance C0º65º: 855.3

CRI: 80

MacAdam steps: 2

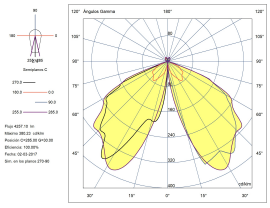
Photobiological risk: RG1

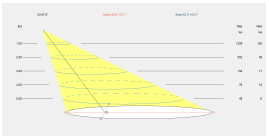
UGR

UGR crosswise: 19.3

UGR lengthwise: 20.6

UGR	
S=0.250	
Ceiling / cavity	0.7
Walls	0.5
Working Plane	0.2
Room dimensions	X=4H, Y=8H
UGR crosswise	19.3
UGR lengthwise	20.6





LOGISTICS

Net weight (kg): 7.46

Packaged weight (kg): 8.91

Packaging: 300mm x 320mm x 1215mm

1 Un

Luminaire
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED
Measurem.
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED

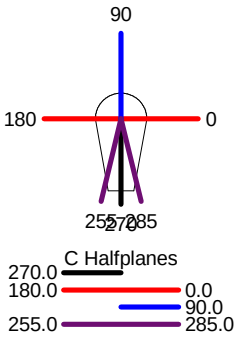
Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

Round Luminaire	Diam. 230 mm	Height	900 mm
Round Luminous Area	Diam. 230 mm	Height	730 mm
Horizontal Luminous Area	0.041548 m2	Emitting area on Plane 180°	0.167900 m2
Emitting area on Plane 0°	0.167900 m2	Emitting area on Plane 270°	0.167900 m2
Emitting area on Plane 90°	0.167900 m2	Glare area at 76°	0.172964 m2
Coordinate system	CG Roads	Symmetry Type	Sym. on planes 270-90
Date	02-03-2017	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	4257.10 lm
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

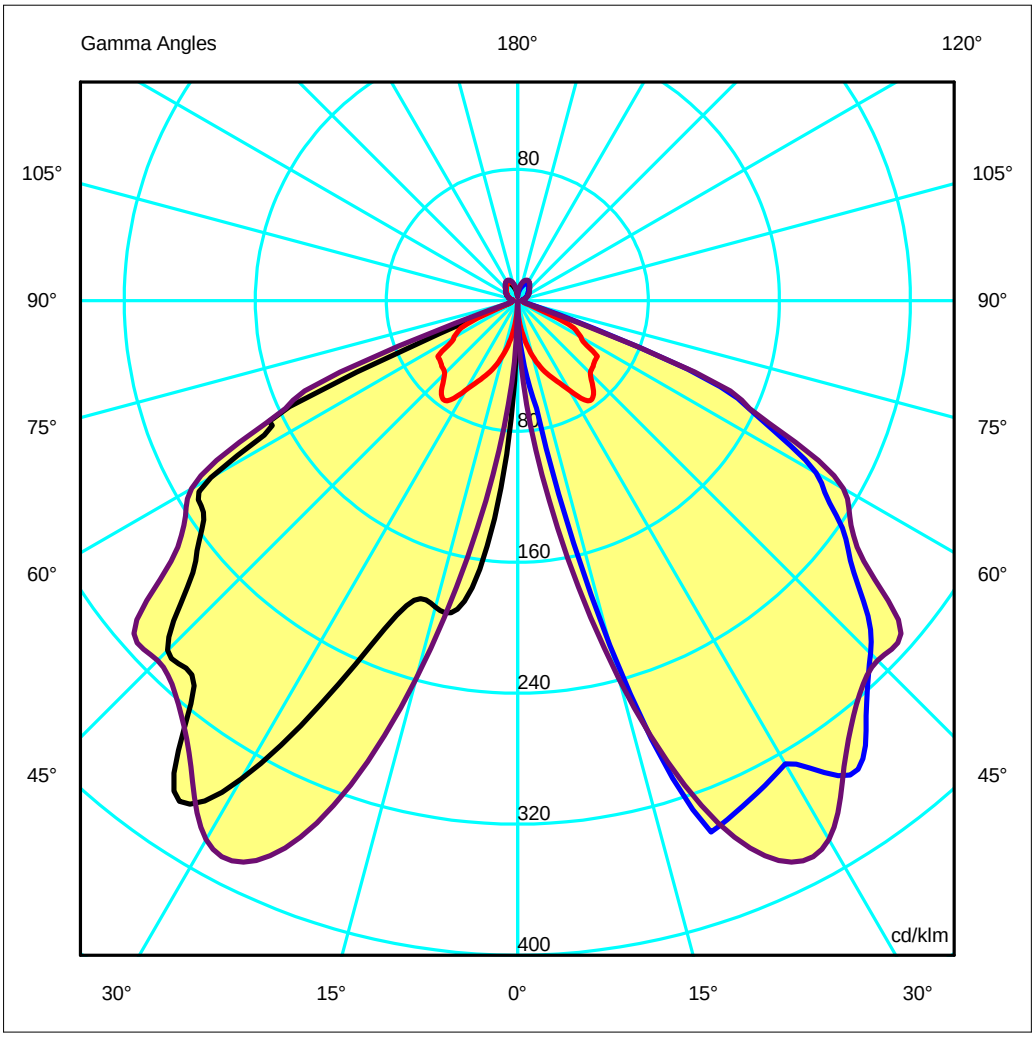
Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	CITIZEN LED	CITIZEN LED	4257.10	59.00	1

C.I.E. 46 87 99 95 100 D DIN 5040 A31



ULOR 4.90 %
DLOR 95.10 %
RN 4.90 %



Luminaire
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED
Measurem.
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED

Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

Luminous Intensity Table cd/klm **Table 1/2**

	C 270.00	C 285.00	C 300.00	C 310.00	C 315.00	C 320.00	C 325.00	C 330.00	C 335.00	C 340.00
G 0.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
G 10.0	186.51	141.24	132.93	138.29	149.50	144.24	199.65	153.50	186.39	122.55
G 20.0	198.35	328.32	332.29	336.45	346.83	254.77	307.58	260.90	305.53	235.80
G 30.0	337.77	380.23	321.73	375.87	358.67	336.93	340.58	362.57	346.06	339.25
G 35.0	365.82	347.67	338.72	344.90	346.58	336.88	343.27	349.13	348.85	348.32
G 40.0	307.28	322.09	298.99	312.85	314.05	305.12	304.96	317.94	310.77	328.29
G 45.0	302.08	310.85	291.07	316.73	312.32	286.59	296.74	290.89	295.09	299.20
G 47.5	281.94	312.50	284.89	310.24	299.52	287.19	287.76	290.10	287.62	294.23
G 50.0	258.80	303.54	274.71	298.22	283.24	277.10	274.80	281.52	277.24	287.86
G 52.5	245.93	270.31	251.23	276.77	262.32	261.25	262.23	266.84	263.74	278.72
G 55.0	233.85	250.47	233.25	254.36	248.18	245.94	249.79	258.73	249.34	265.31
G 57.5	230.01	240.08	225.42	238.29	240.06	234.40	234.58	242.47	204.72	224.06
G 60.0	216.32	229.69	213.05	226.95	207.42	221.83	184.33	203.98	176.58	193.41
G 62.5	169.38	199.83	159.82	205.34	164.64	183.68	162.77	178.37	148.22	170.30
G 65.0	153.52	156.24	137.91	155.48	142.06	150.74	114.79	148.69	84.28	134.11
G 67.5	29.05	131.53	63.84	131.17	65.36	118.46	33.63	89.83	18.37	66.66
G 70.0	5.46	40.69	7.20	42.62	8.44	38.74	6.54	20.21	5.94	13.91
G 72.5	4.69	6.43	4.74	6.39	4.68	6.36	4.58	5.83	4.81	5.79
G 75.0	4.15	4.94	4.35	4.71	4.17	4.62	4.14	4.65	4.24	5.00
G 77.5	3.81	4.31	4.08	4.22	3.90	4.00	3.80	4.01	3.97	4.31
G 80.0	3.49	3.84	3.87	3.85	3.68	3.72	3.59	3.77	3.74	4.02
G 82.5	3.14	3.59	3.36	3.64	3.37	3.52	3.30	3.54	3.43	3.73
G 85.0	2.62	3.26	2.73	3.30	2.75	3.22	2.66	3.20	2.82	3.36
G 87.5	2.48	2.81	2.61	2.81	2.66	2.78	2.56	2.71	2.62	2.66
G 90.0	2.74	2.61	2.79	2.60	2.83	2.59	2.81	2.56	2.81	2.61
G 92.5	3.04	2.87	3.17	2.85	3.15	2.80	3.13	2.80	3.12	2.82
G 95.0	3.42	3.23	3.66	3.18	3.63	3.14	3.49	3.12	3.52	3.13
G 97.5	3.80	3.63	4.10	3.58	4.13	3.53	3.99	3.48	4.05	3.48
G100.0	4.23	4.05	4.54	3.98	4.56	4.04	4.43	4.07	4.47	3.99
G102.5	4.83	4.70	4.99	4.63	5.03	4.57	4.95	4.50	4.91	4.48
G105.0	5.24	5.15	5.48	5.06	5.47	5.03	5.39	4.94	5.33	4.91
G120.0	7.80	7.99	8.36	7.82	8.34	7.75	8.13	7.64	8.08	7.59
G135.0	10.15	10.52	10.93	10.32	10.90	10.29	10.65	10.13	10.60	10.08
G150.0	12.17	13.61	14.14	13.57	14.20	13.50	14.04	13.28	13.79	13.10
G165.0	8.68	11.43	13.06	12.95	13.17	13.39	13.03	12.99	12.61	12.72
G180.0	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71

	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00
G 0.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
G 10.0	150.82	151.74	65.32	23.63	49.19	112.24	101.17	210.88	67.11	212.25
G 20.0	319.63	249.70	127.39	44.83	126.06	282.70	266.80	249.41	212.26	292.44
G 30.0	358.71	324.04	147.25	63.44	156.82	280.45	369.22	312.56	335.32	337.26
G 35.0	374.27	295.37	154.37	74.76	169.71	317.00	356.14	339.28	338.71	353.81
G 40.0	321.97	283.24	137.64	72.15	161.22	273.87	340.33	309.85	332.56	323.65
G 45.0	308.42	257.54	132.23	62.91	141.53	259.90	315.44	277.72	301.09	276.64
G 47.5	299.45	252.52	130.67	61.66	137.28	253.42	304.72	271.60	279.51	269.28
G 50.0	289.60	250.48	128.29	60.72	133.55	243.04	295.92	263.47	269.55	261.54
G 52.5	277.44	237.46	126.17	59.80	128.85	233.06	277.33	256.42	261.02	255.43
G 55.0	249.54	228.96	105.34	59.47	121.80	207.64	268.35	243.02	255.06	246.23
G 57.5	203.26	185.08	92.53	48.48	103.97	174.80	233.77	202.57	235.51	214.29
G 60.0	179.13	168.89	82.19	44.78	94.62	157.95	197.65	170.46	194.96	175.65
G 62.5	143.27	146.68	62.26	40.72	86.73	127.55	178.55	144.02	169.53	155.22
G 65.0	72.02	109.58	27.48	34.10	70.95	77.08	141.74	94.19	143.99	116.05
G 67.5	16.71	50.91	7.62	14.77	33.91	20.50	74.42	28.14	94.03	45.82
G 70.0	5.53	11.21	5.25	5.33	9.89	6.44	18.57	6.76	27.83	6.38
G 72.5	4.86	5.79	4.66	4.34	5.38	5.10	6.08	5.01	7.01	4.86
G 75.0	4.43	5.26	4.26	4.02	4.90	4.64	5.14	4.47	5.35	4.35
G 77.5	4.08	4.61	3.89	3.73	4.38	4.31	4.55	4.14	4.59	4.02
G 80.0	3.78	4.30	3.62	3.50	4.05	4.05	4.17	3.89	4.23	3.76
G 82.5	3.36	3.89	3.27	3.28	3.79	3.63	3.91	3.53	3.97	3.33
G 85.0	2.72	3.50	2.63	2.96	3.42	2.95	3.57	2.86	3.61	2.81
G 87.5	2.57	2.92	2.36	2.53	2.96	2.50	2.93	2.50	2.99	2.46
G 90.0	2.76	2.64	2.62	2.21	2.35	2.61	2.53	2.62	2.59	2.59
G 92.5	3.05	2.83	2.95	2.52	2.52	2.88	2.67	2.90	2.72	2.95
G 95.0	3.55	3.18	3.37	2.87	2.82	3.37	2.96	3.37	3.01	3.38
G 97.5	3.98	3.53	3.79	3.24	3.17	3.77	3.31	3.82	3.35	3.79
G100.0	4.39	4.00	4.22	3.67	3.64	4.19	3.78	4.24	3.87	4.21
G102.5	4.83	4.41	4.72	4.17	4.17	4.60	4.29	4.65	4.32	4.64
G105.0	5.30	4.93	5.16	4.70	4.58	5.07	4.72	5.09	4.76	5.17
G120.0	8.04	7.54	7.81	7.36	7.26	7.81	7.42	7.92	7.45	7.94
G135.0	10.40	9.85	10.05	9.62	9.56	10.06	9.87	10.25	9.94	10.34
G150.0	13.33	12.43	12.46	12.04	11.89	12.65	12.71	13.20	12.93	13.52
G165.0	11.87	11.28	10.66	10.76	11.06	10.90	12.76	11.39	13.36	11.92
G180.0	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71

Luminaire
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED
Measurem.
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED

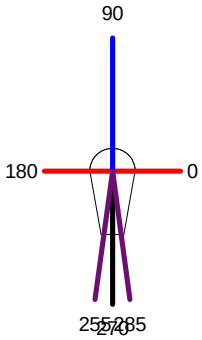
Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

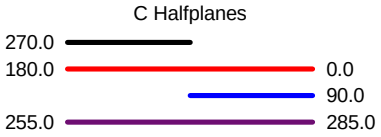
Luminous Intensity Table cd/klm **Table 2/2**

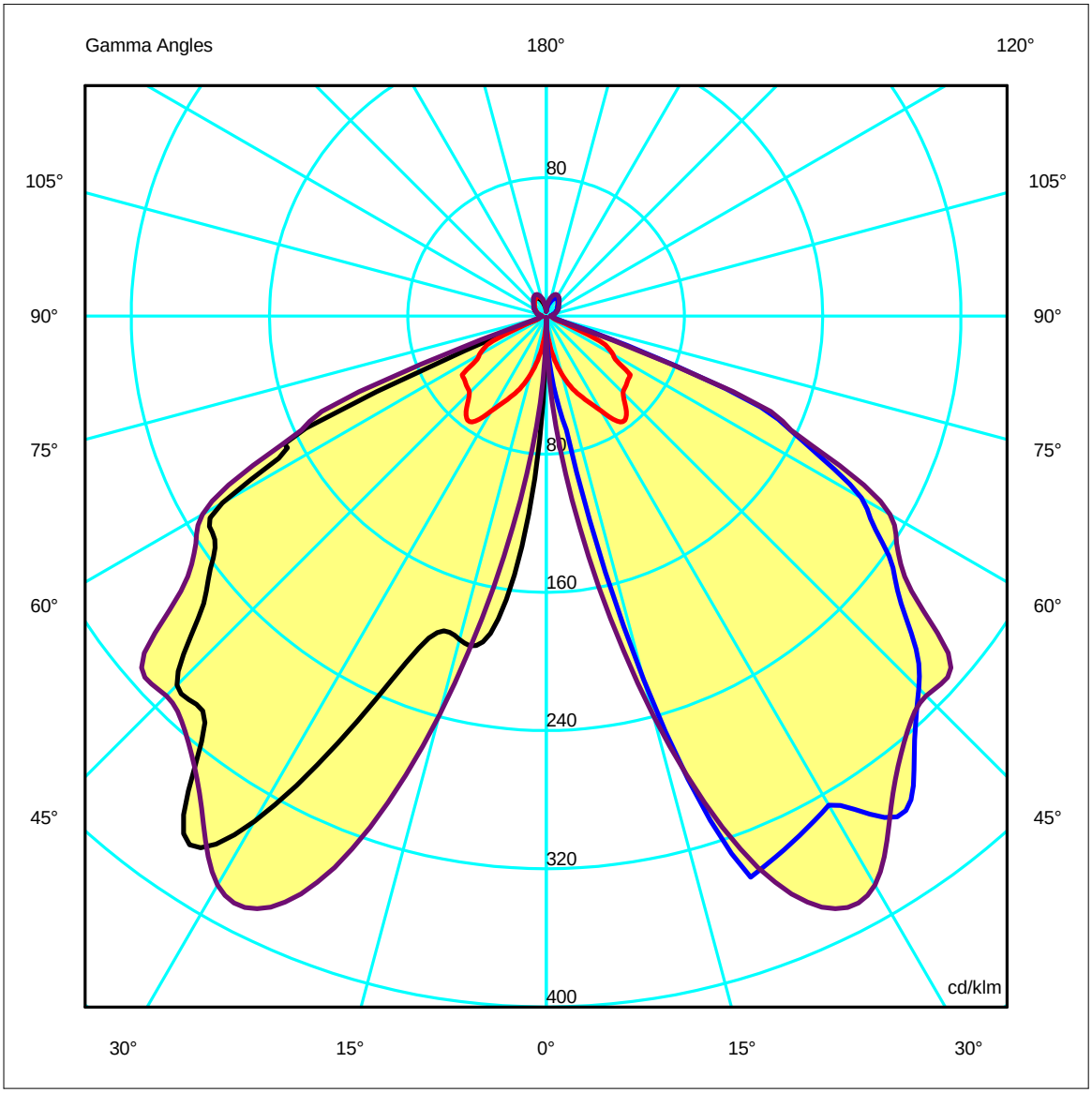
	C 35.00	C 40.00	C 45.00	C 50.00	C 60.00	C 75.00	C 90.00
G 0.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87
G 10.0	62.17	119.52	76.05	155.45	87.06	175.27	66.82
G 20.0	219.19	316.00	275.64	304.64	265.83	310.38	345.61
G 30.0	315.70	360.45	371.43	343.83	332.24	362.62	326.92
G 35.0	328.94	351.82	359.80	320.97	352.65	350.09	353.92
G 40.0	314.71	319.14	345.45	313.53	328.75	341.12	331.20
G 45.0	287.40	280.31	309.42	276.56	293.28	309.43	304.75
G 47.5	266.92	270.09	292.07	262.62	282.70	272.97	291.63
G 50.0	260.28	259.31	280.11	250.18	273.41	261.87	271.66
G 52.5	251.43	245.71	260.07	237.79	258.49	247.45	255.21
G 55.0	242.08	232.95	246.87	224.58	236.85	228.89	242.14
G 57.5	230.17	211.13	230.78	203.73	219.58	218.53	223.85
G 60.0	202.83	166.61	209.71	187.38	203.28	188.90	210.53
G 62.5	168.05	133.87	171.29	159.42	191.36	167.70	182.34
G 65.0	145.31	108.90	137.99	125.83	155.34	141.24	155.42
G 67.5	107.64	64.51	116.80	70.93	130.17	89.77	124.89
G 70.0	44.69	8.42	69.84	9.78	68.71	7.76	49.83
G 72.5	8.59	4.83	11.03	4.91	8.14	5.47	8.43
G 75.0	5.04	4.27	5.06	4.39	5.21	4.88	5.50
G 77.5	4.29	3.96	4.31	3.95	4.58	4.45	4.60
G 80.0	4.00	3.73	4.02	3.77	4.13	4.14	4.20
G 82.5	3.76	3.44	3.82	3.53	3.96	3.84	3.95
G 85.0	3.45	2.88	3.57	3.08	3.76	3.36	3.73
G 87.5	2.83	2.54	2.95	2.61	3.33	2.80	3.30
G 90.0	2.53	2.65	2.63	2.69	2.73	2.72	2.68
G 92.5	2.66	3.03	2.71	3.01	2.76	3.06	2.59
G 95.0	2.97	3.38	3.03	3.38	3.08	3.53	2.88
G 97.5	3.32	3.89	3.38	3.78	3.45	3.96	3.21
G100.0	3.89	4.30	3.96	4.40	3.83	4.40	3.65
G102.5	4.32	4.75	4.42	4.86	4.48	4.86	4.15
G105.0	4.75	5.30	4.85	5.31	4.91	5.53	4.57
G120.0	7.50	8.03	7.66	8.07	7.74	8.32	7.22
G135.0	10.08	10.55	10.25	10.66	10.24	10.78	9.56
G150.0	13.13	13.68	13.40	14.00	13.49	13.81	12.05
G165.0	13.81	12.47	13.62	12.71	13.46	11.52	8.06
G180.0	2.71	2.71	2.71	2.71	2.71	2.71	2.71

Luminaire
Code 60-3239-Z5-CL
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Measurem.
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Name Capçal CITIZEN LED

Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90







Luminaire
Code 60-3239-Z5-CL
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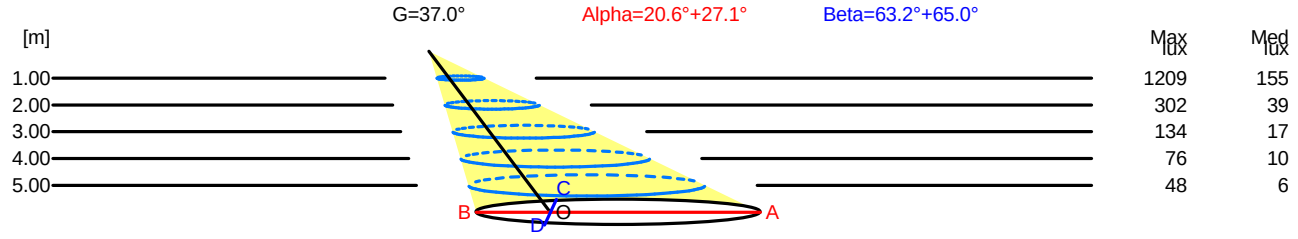
Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

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	1.30	2.61	3.91	5.22	6.52	OC	2.48	4.95	7.43	9.91	12.39
OB	0.46	0.92	1.38	1.84	2.30	OD	2.69	5.38	8.06	10.75	13.44

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	3.71	52.11	148.38	226.51	318.26	267.81	253.16	145.16	17.11	12.62
OB	3.71	52.11	148.38	226.51	318.26	267.81	253.16	145.16	17.11	12.62
OC	3.71	144.07	928.50	1431.52	1506.68	1297.33	1030.83	661.63	23.43	15.88
OD	3.71	489.41	824.98	1101.23	1557.33	1285.97	995.51	653.54	17.68	11.17



H[m]	D[m]	Max lux	Med lux	Alpha=20.6°+27.1° G=37.0
1.00	1.76	1209	155	
2.00	3.53	302	39	
3.00	5.29	134	17	
4.00	7.06	76	10	
5.00	8.82	48	6	

H[m]	D[m]	Max lux	Med lux	Beta=65.0°+63.2° G=0.0
1.00	5.17	1209	155	
2.00	10.33	302	39	
3.00	15.50	134	17	
4.00	20.66	76	10	
5.00	25.83	48	6	

Luminaire
Code 60-3239-Z5-CL
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Name Capçal CITIZEN LED

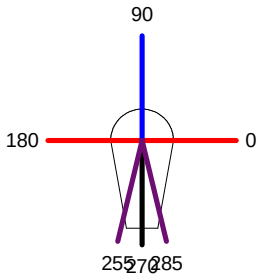
Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

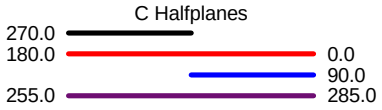
UGR
S = 0.250

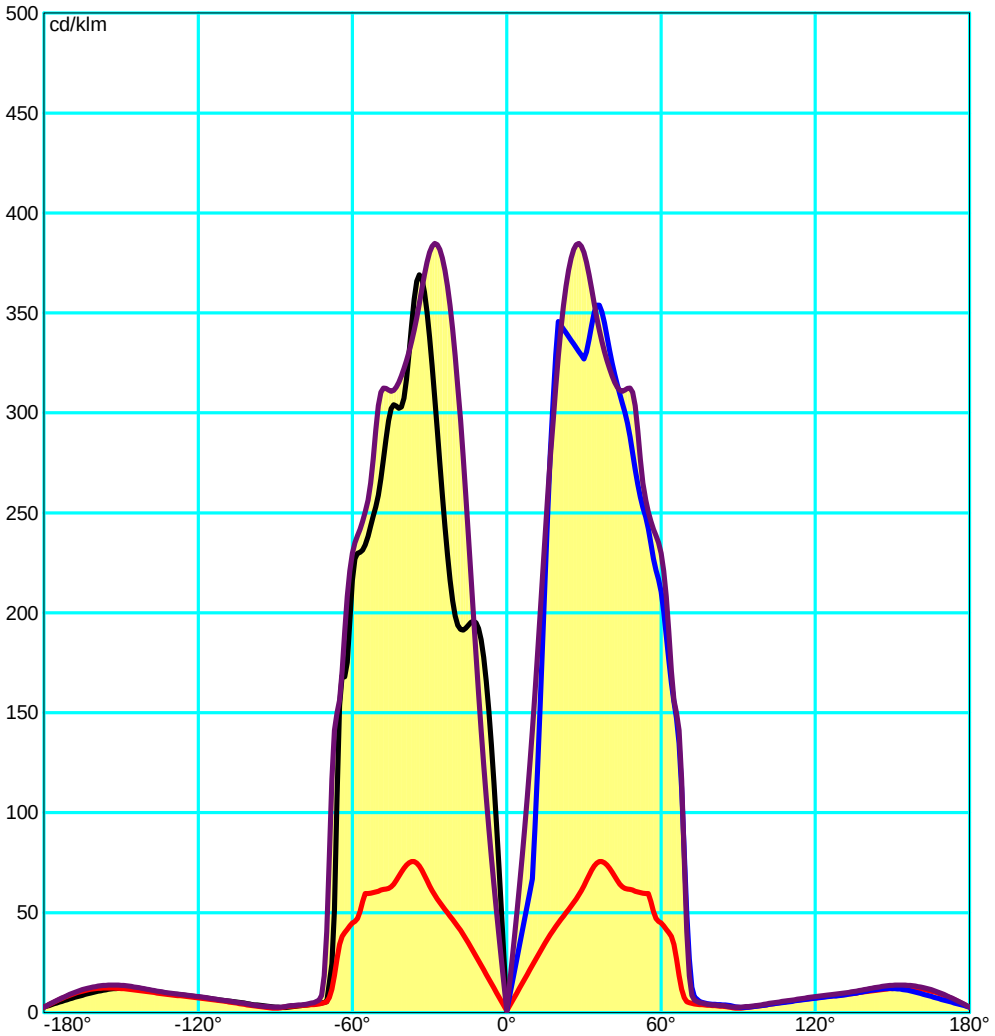
Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	18.8	20.0	19.1	20.3	21.9	20.0	21.2	20.3	21.5	21.9
x=2H y=3H	18.8	19.9	19.2	20.2	22.2	20.3	21.5	20.7	21.8	22.2
x=2H y=4H	18.7	19.7	19.1	20.1	22.0	20.2	21.3	20.7	21.7	22.0
x=2H y=6H	18.6	19.5	19.0	19.9	21.9	20.2	21.1	20.6	21.5	21.9
x=2H y=8H	18.5	19.5	19.0	19.8	21.9	20.1	21.0	20.5	21.4	21.9
x=2H y=12H	18.5	19.4	19.0	19.8	21.8	20.1	20.9	20.5	21.4	21.8
x=4H y=2H	19.3	20.4	19.7	20.7	22.2	20.4	21.4	20.8	21.8	22.2
x=4H y=3H	19.3	20.2	19.8	20.6	22.4	20.7	21.5	21.1	22.0	22.4
x=4H y=4H	19.2	20.0	19.7	20.4	22.3	20.6	21.4	21.1	21.8	22.3
x=4H y=6H	19.2	19.8	19.7	20.3	22.1	20.5	21.2	21.0	21.6	22.1
x=4H y=8H	19.1	19.7	19.6	20.2	22.1	20.5	21.1	21.0	21.6	22.1
x=4H y=12H	19.1	19.6	19.6	20.1	22.0	20.5	21.0	21.0	21.5	22.0
x=8H y=4H	19.2	19.7	19.7	20.2	22.1	20.5	21.1	21.0	21.6	22.1
x=8H y=6H	19.1	19.5	19.6	20.1	22.0	20.4	20.9	20.9	21.4	22.0
x=8H y=8H	19.0	19.5	19.6	20.0	21.9	20.4	20.8	20.9	21.3	21.9
x=8H y=12H	19.0	19.3	19.6	19.9	21.8	20.3	20.7	20.9	21.2	21.8
x=12H y=4H	19.1	19.6	19.6	20.1	22.0	20.5	21.0	21.0	21.5	22.0
x=12H y=6H	19.0	19.4	19.6	20.0	21.9	20.4	20.8	20.9	21.3	21.9
x=12H y=8H	19.0	19.3	19.6	19.9	21.8	20.3	20.7	20.9	21.2	21.8

Luminaire
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED
Measurem.
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED

Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90



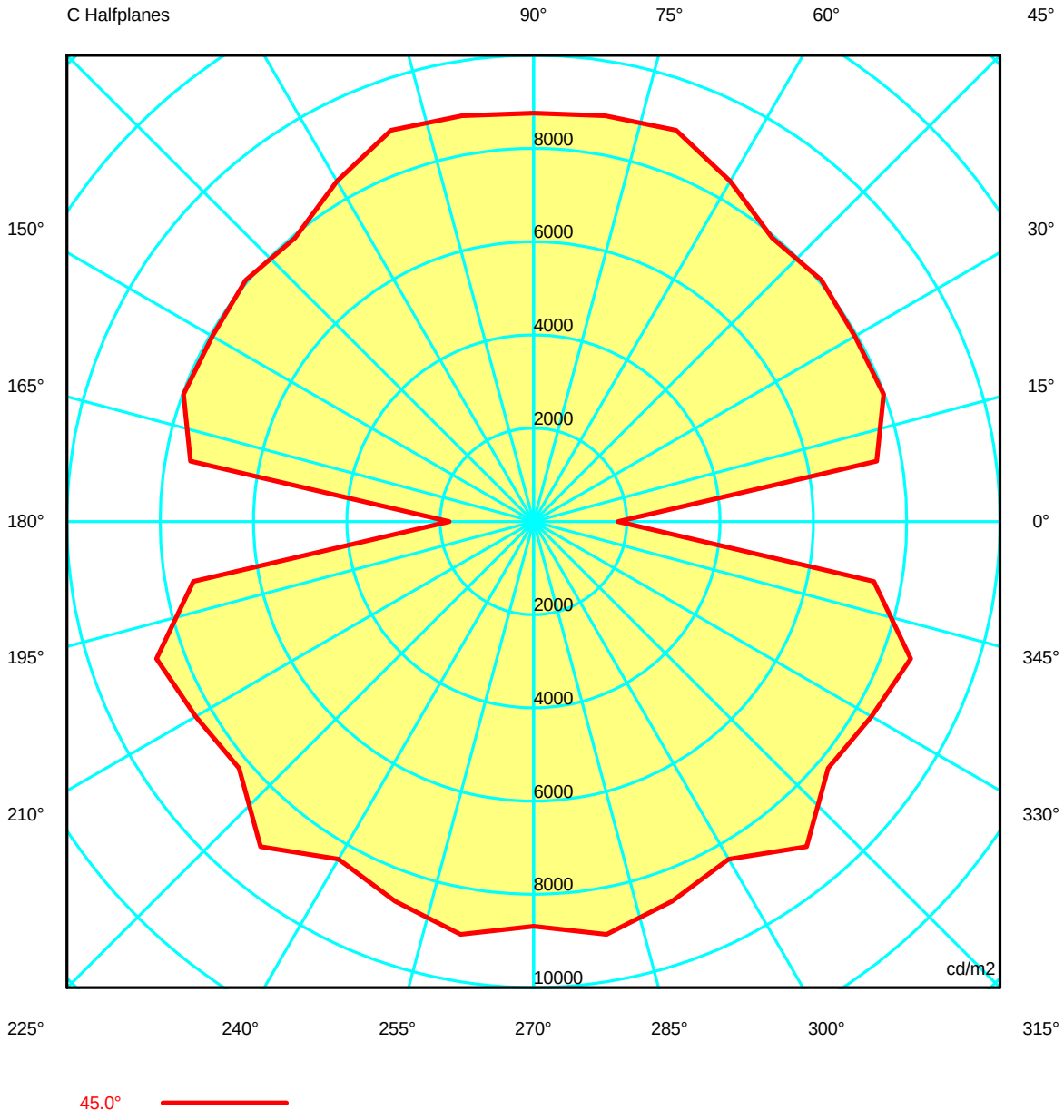




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Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

Luminance



Luminaire
Code 60-3239-Z5-CL
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Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	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	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19
G 5.0	930.19	3394.39	9394.51	9019.91	3697.39	5821.47	2400.55	4769.61	6904.59	2571.67	6904.59	4769.61	2400.55
G 10.0	1435.87	6818.69	12811.74	12895.04	7261.07	9443.92	5289.19	8200.25	10361.48	4059.25	10361.48	8200.25	5289.19
G 15.0	1775.10	10743.89	12283.61	13502.79	11366.52	12055.55	9108.82	11532.90	13235.59	11108.02	13235.59	11532.90	9108.82
G 20.0	1978.20	12475.34	11006.46	12905.46	13945.02	13443.87	11731.00	12480.64	14525.63	15251.82	14525.63	12480.64	11731.00
G 25.0	2085.48	11036.40	10744.86	12309.60	13949.40	13420.35	12119.12	13027.98	13906.82	13180.02	13906.82	13027.98	12119.12
G 30.0	2251.73	9955.04	11094.70	11971.28	12794.64	12204.48	11793.05	12641.55	12706.17	11604.41	12706.17	12641.55	11793.05
G 35.0	2441.81	10354.04	11081.47	11556.24	11491.06	10483.53	11518.40	11462.65	11476.45	11559.82	11476.45	11462.65	11518.40
G 40.0	2197.71	8342.61	9438.62	9859.03	9721.55	9550.86	10014.45	10467.92	10290.05	10089.12	10290.05	10467.92	10014.45
G 45.0	1808.29	7470.53	7982.99	7951.79	8057.43	7949.45	8430.10	8934.08	8841.92	8759.70	8841.92	8934.08	8430.10
G 50.0	1664.21	6661.05	7221.17	7168.18	7106.96	6856.74	7493.55	7282.74	7113.66	7445.43	7113.66	7282.74	7493.55
G 55.0	1568.82	5477.74	6411.30	6495.88	6145.69	5924.86	6248.57	6108.58	6040.33	6388.10	6040.33	6108.58	6248.57
G 60.0	1147.03	4046.24	4366.68	4499.69	4268.16	4800.19	5207.44	4961.95	4851.23	5393.15	4851.23	4961.95	5207.44
G 65.0	855.26	1933.38	2362.53	2910.81	2731.46	3156.11	3896.19	3660.49	3504.35	3898.17	3504.35	3660.49	3896.19
G 70.0	132.04	159.52	167.43	158.04	208.31	242.13	1700.74	694.99	52.18	1233.44	52.18	694.99	1700.74
G 75.0	98.93	114.34	110.01	106.97	105.18	107.95	128.32	122.88	120.28	135.48	120.28	122.88	128.32
G 80.0	86.24	99.84	96.02	92.69	92.12	92.89	101.95	102.13	102.68	103.61	102.68	102.13	101.95
G 85.0	73.85	73.49	71.37	69.89	71.66	76.78	93.77	87.07	82.63	92.91	82.63	87.07	93.77
G 90.0	56.05	66.29	66.42	65.58	67.19	68.16	69.23	69.18	68.83	68.07	68.83	69.18	69.23

Luminaire
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED
Measurem.
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED

Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	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	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19
G 5.0	5821.47	3697.39	9019.91	9394.51	3394.39	930.19	6257.85	4785.56	6286.58	5752.29	4559.49	4070.75	4268.19
G 10.0	9443.92	7261.07	12895.04	12811.74	6818.69	1435.87	9218.52	7445.01	9325.53	8763.07	8401.52	8075.78	8263.57
G 15.0	12055.55	11366.52	13502.79	12283.61	10743.89	1775.10	10308.74	9092.00	10568.95	10307.57	12392.38	12597.70	12317.27
G 20.0	13443.87	13945.02	12905.46	11006.46	12475.34	1978.20	11019.45	10405.85	11513.53	11243.00	14847.36	14663.98	14547.24
G 25.0	13420.35	13949.40	12309.60	10744.86	11036.40	2085.48	11866.77	11589.94	12699.85	11920.40	14841.72	12817.32	14156.42
G 30.0	12204.48	12794.64	11971.28	11094.70	9955.04	2251.73	11501.98	12042.14	12869.68	11959.73	13341.82	11420.30	12607.06
G 35.0	10483.53	11491.06	11556.24	11081.47	10354.04	2441.81	9647.53	11377.00	11403.38	11003.17	11265.30	11063.34	11200.00
G 40.0	9550.86	9721.55	9859.03	9438.62	8342.61	2197.71	8628.01	10000.29	9685.15	9294.52	9529.99	9107.88	9561.45
G 45.0	7949.45	8057.43	7951.79	7982.99	7470.53	1808.29	7402.68	8600.28	8361.37	8237.71	9104.14	8366.48	8668.75
G 50.0	6856.74	7106.96	7168.18	7221.17	6661.05	1664.21	6865.07	7889.47	7715.80	7594.53	8173.62	7529.18	8021.38
G 55.0	5924.86	6145.69	6495.88	6411.30	5477.74	1568.82	6040.19	6999.30	6825.63	6488.30	6710.39	6153.54	6396.27
G 60.0	4800.19	4268.16	4499.69	4366.68	4046.24	1147.03	4326.60	4954.74	5225.44	5682.85	5813.82	5457.84	5741.97
G 65.0	3156.11	2731.46	2910.81	2362.53	1933.38	855.26	2748.40	3363.80	3729.33	3780.90	3899.63	3459.17	3765.65
G 70.0	242.13	208.31	158.04	167.43	159.52	132.04	277.46	344.32	500.16	958.87	1054.93	178.34	566.52
G 75.0	107.95	105.18	106.97	110.01	114.34	98.93	129.48	123.06	114.37	113.70	116.00	107.14	115.29
G 80.0	92.89	92.12	92.69	96.02	99.84	86.24	106.09	99.12	92.93	91.69	95.05	95.52	95.24
G 85.0	76.78	71.66	69.89	71.37	73.49	73.85	87.08	83.62	79.78	80.33	82.15	67.89	74.16
G 90.0	68.16	67.19	65.58	66.42	66.29	56.05	66.87	66.23	65.00	65.59	66.00	70.72	67.76

Luminaire
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED
Measurem.
Code 60-3239-Z5-CL
Name Capçal CITIZEN LED

Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency 100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG Sym. on planes 270-90

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

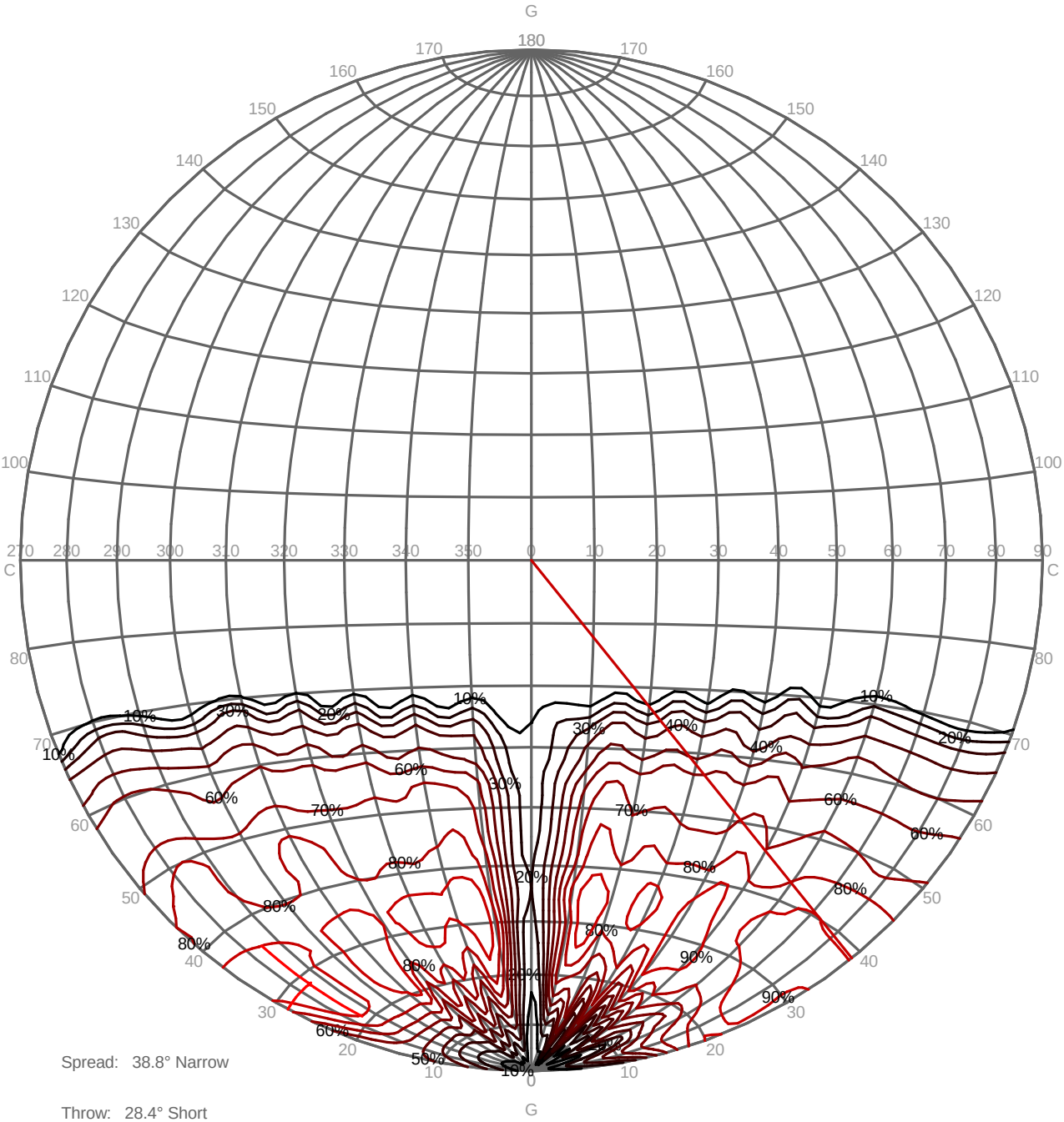
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19
G 5.0	5868.45	8735.83	5868.45	4268.19	4070.75	4559.49	5752.29	6286.58	4785.56	6257.85
G 10.0	9262.52	11331.14	9262.52	8263.57	8075.78	8401.52	8763.07	9325.53	7445.01	9218.52
G 15.0	11488.55	9869.65	11488.55	12317.27	12597.70	12392.38	10307.57	10568.95	9092.00	10308.74
G 20.0	13067.06	8753.10	13067.06	14547.24	14663.98	14847.36	11243.00	11513.53	10405.85	11019.45
G 25.0	14126.73	10139.01	14126.73	14156.42	12817.32	14841.72	11920.40	12699.85	11589.94	11866.77
G 30.0	13566.69	11989.68	13566.69	12607.06	11420.30	13341.82	11959.73	12869.68	12042.14	11501.98
G 35.0	11539.17	11948.46	11539.17	11200.00	11063.34	11265.30	11003.17	11403.38	11377.00	9647.53
G 40.0	9823.77	9360.20	9823.77	9561.45	9107.88	9529.99	9294.52	9685.15	10000.29	8628.01
G 45.0	8996.55	8683.00	8996.55	8668.75	8366.48	9104.14	8237.71	8361.37	8600.28	7402.68
G 50.0	8197.72	7093.11	8197.72	8021.38	7529.18	8173.62	7594.53	7715.80	7889.47	6865.07
G 55.0	6609.23	6169.23	6609.23	6396.27	6153.54	6710.39	6488.30	6825.63	6999.30	6040.19
G 60.0	5913.94	5541.57	5913.94	5741.97	5457.84	5813.82	5682.85	5225.44	4954.74	4326.60
G 65.0	4014.14	3850.50	4014.14	3765.65	3459.17	3899.63	3780.90	3729.33	3363.80	2748.40
G 70.0	1020.36	135.12	1020.36	566.52	178.34	1054.93	958.87	500.16	344.32	277.46
G 75.0	120.33	102.25	120.33	115.29	107.14	116.00	113.70	114.37	123.06	129.48
G 80.0	92.83	86.16	92.83	95.24	95.52	95.05	91.69	92.93	99.12	106.09
G 85.0	80.95	65.36	80.95	74.16	67.89	82.15	80.33	79.78	83.62	87.08
G 90.0	65.78	69.50	65.78	67.76	70.72	66.00	65.59	65.00	66.23	66.87

Luminaire
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Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 9.5 Tight Tilting Angle:0°



Spread: 38.8° Narrow

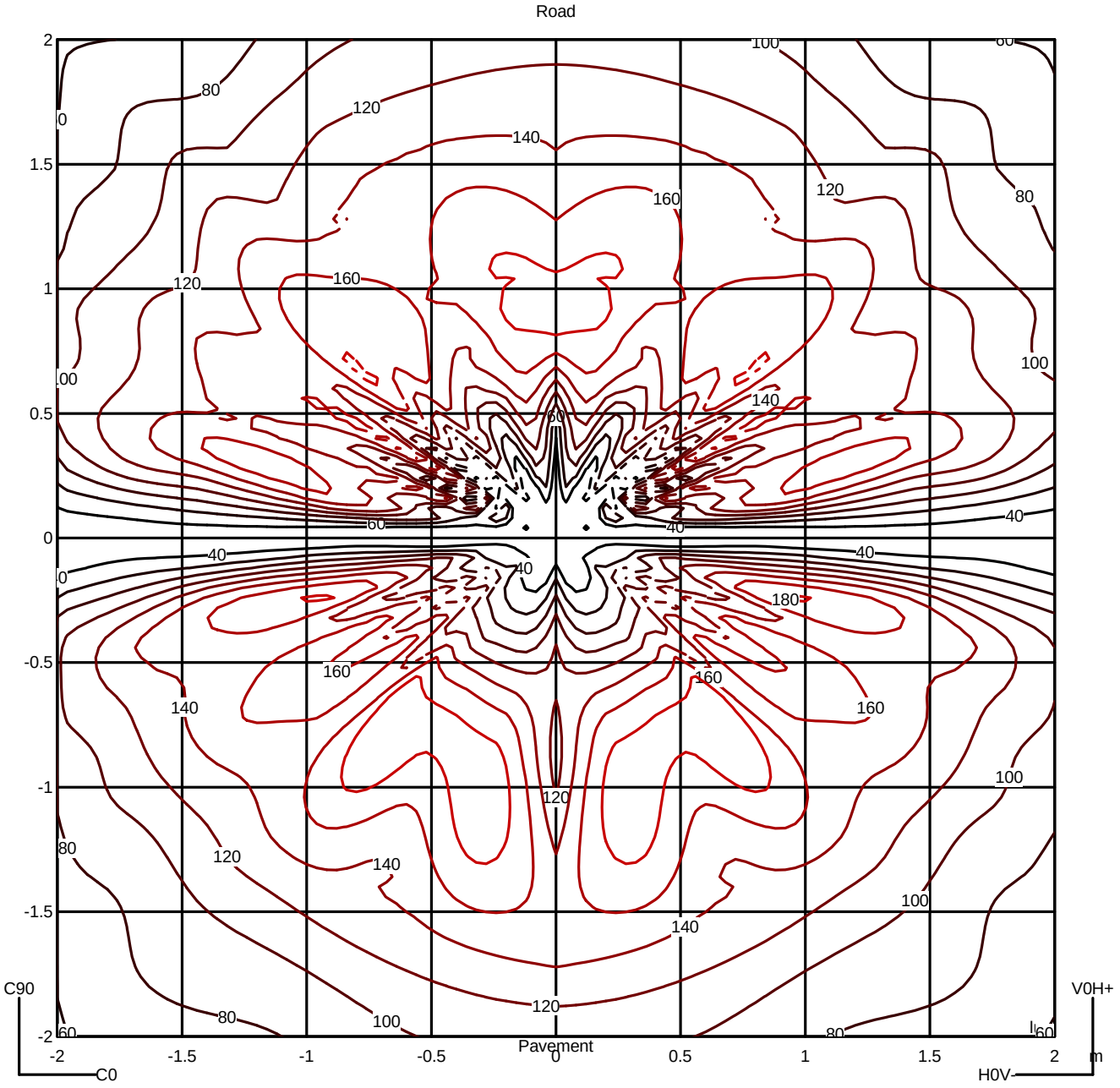
Throw: 28.4° Short

Luminaire
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Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

Isolux (Floor)

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



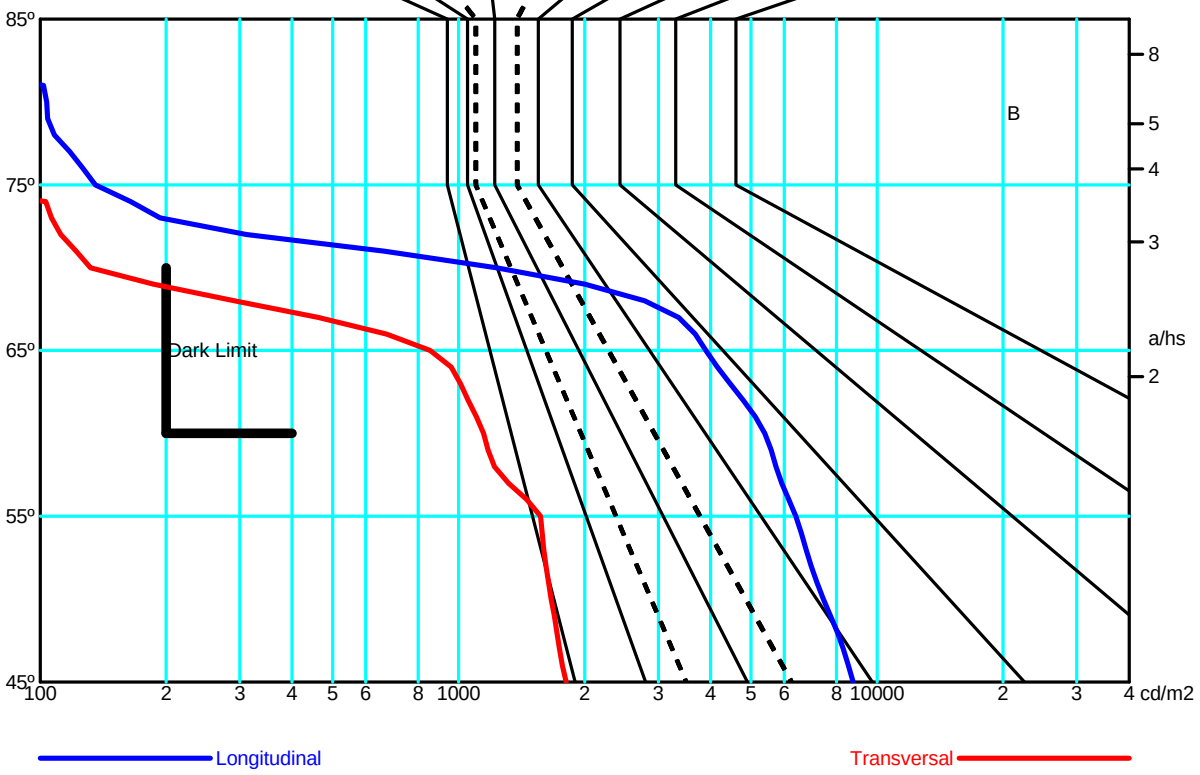
Luminaire
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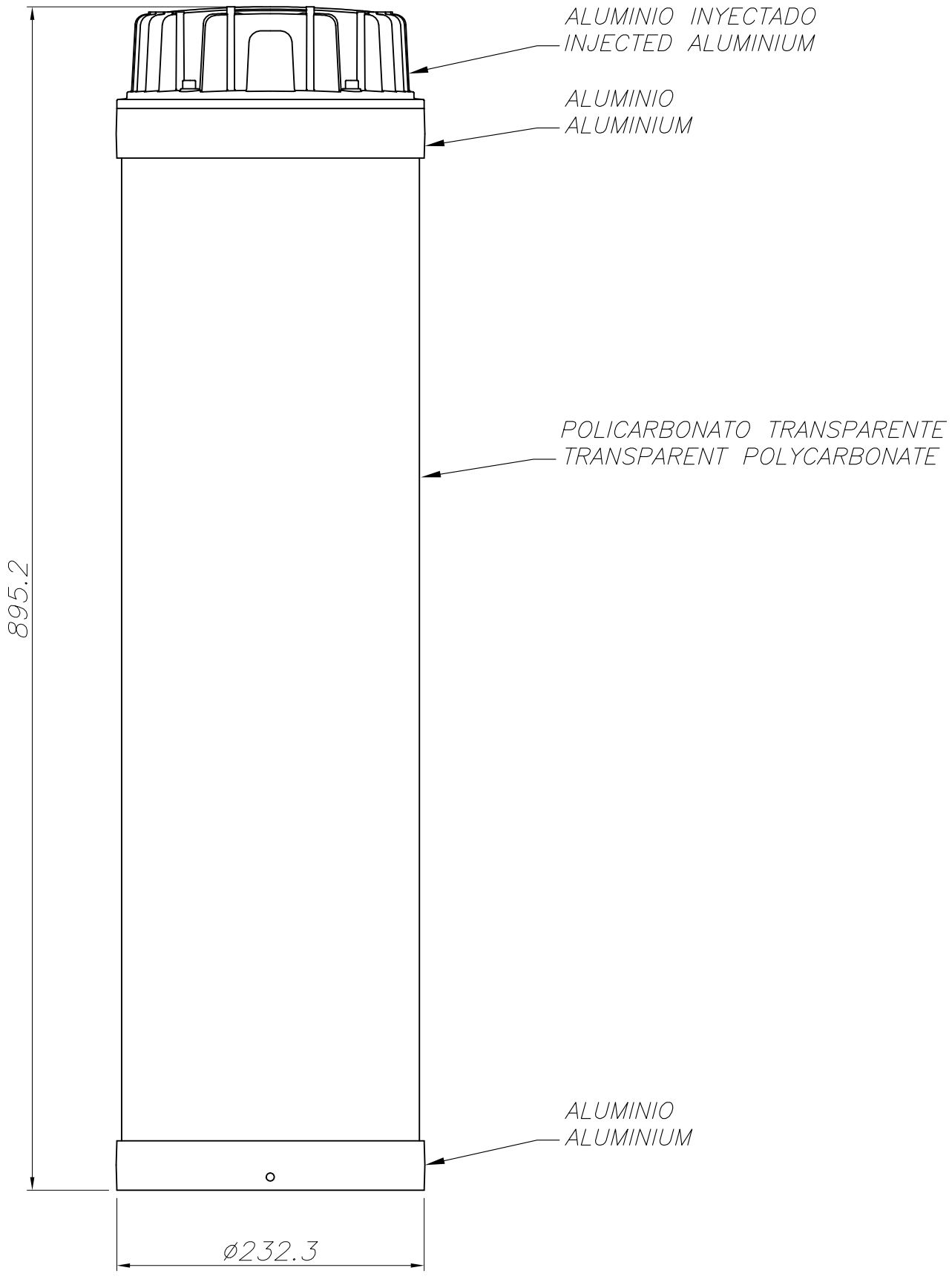
Luminaire Flux	4257.10 lm	Luminaire Power	59.00 W	Efficacy	72.15 lm/W	Efficiency	100.00%
Lamps Flux	4257.10 lm	Maximum value	380.23 cd/klm	Position	C=285.00 G=30.00	CG	Sym. on planes 270-90

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	1808	1664	1569	1147	855	132	99	86	74	---
90.0°	8760	7445	6388	5393	3898	1233	135	104	93	---

Flush mounted or transveral 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

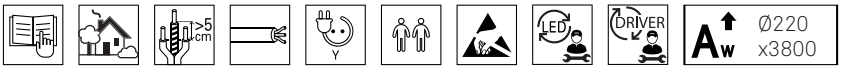


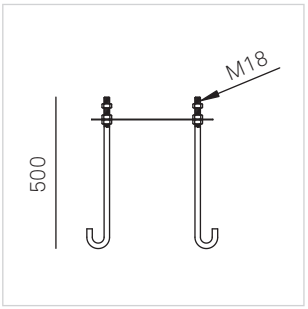

ALUMINIO INYECTADO
INJECTED ALUMINIUM
ALUMINIO
ALUMINIUM
POLICARBONATO TRANSPARENTE
TRANSPARENT POLYCARBONATE
ALUMINIO
ALUMINIUM
895.2
ø232.3

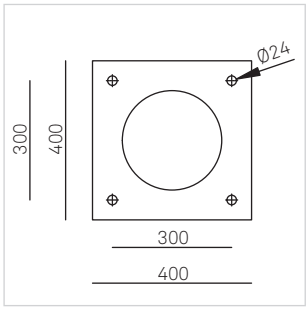


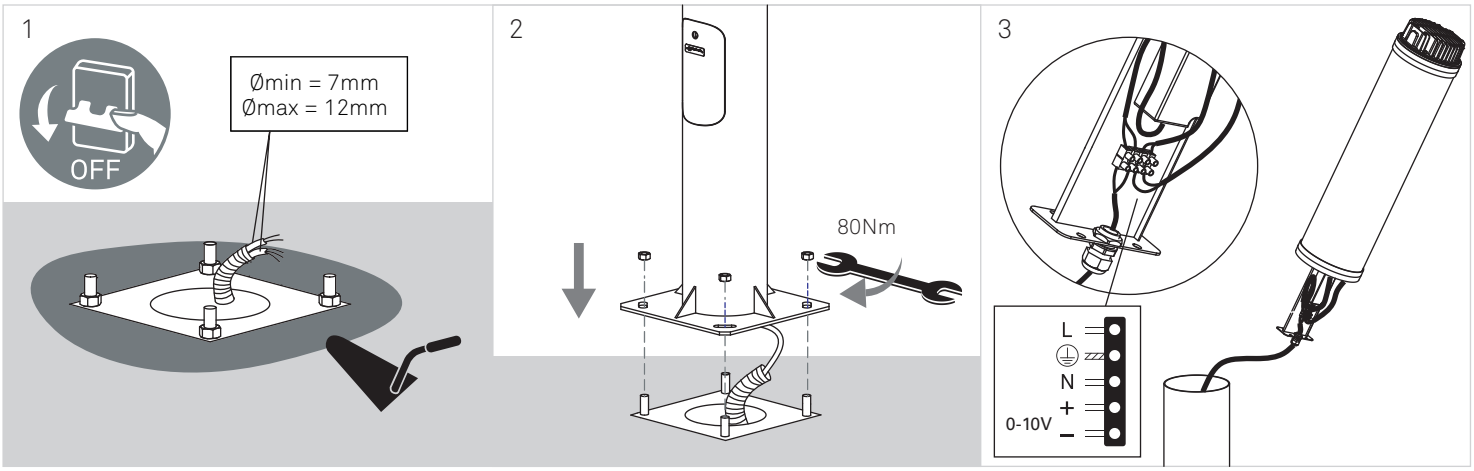
CITIZEN

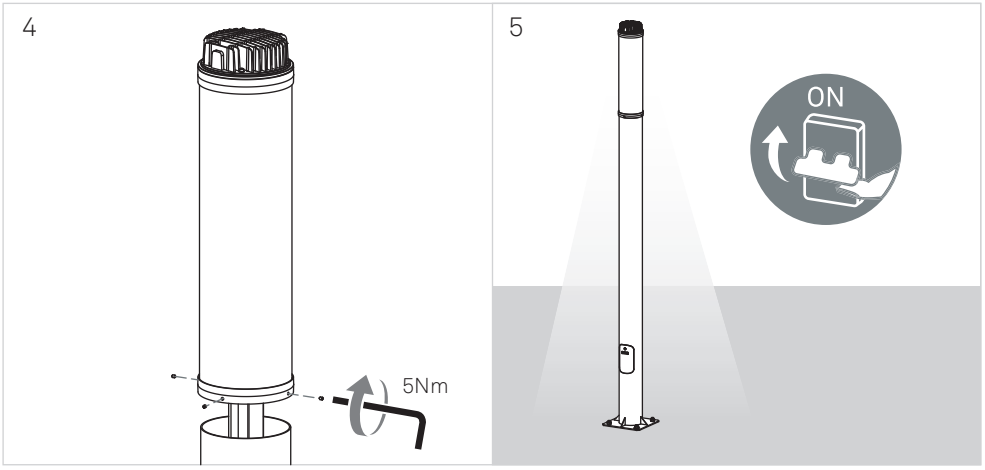
LEDS C4











17-3-2021