

Photometric test report

Family
CITY-LIGHT PLUS LED

Order number: 5XA5275JF14H000022
EAN: 4058352636213

LP number
57132_28

serial
documentation
24.02.2023

siteco



Version post-top- or mounting to wall arm
Optic direct, symmetric wide distribution
C120007
Cover cover transparent, PMMA
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 2830 lm
Power consumption = 19.3 W
Luminous efficacy = 146.6 lm/W

Luminous intensity in cd/klm

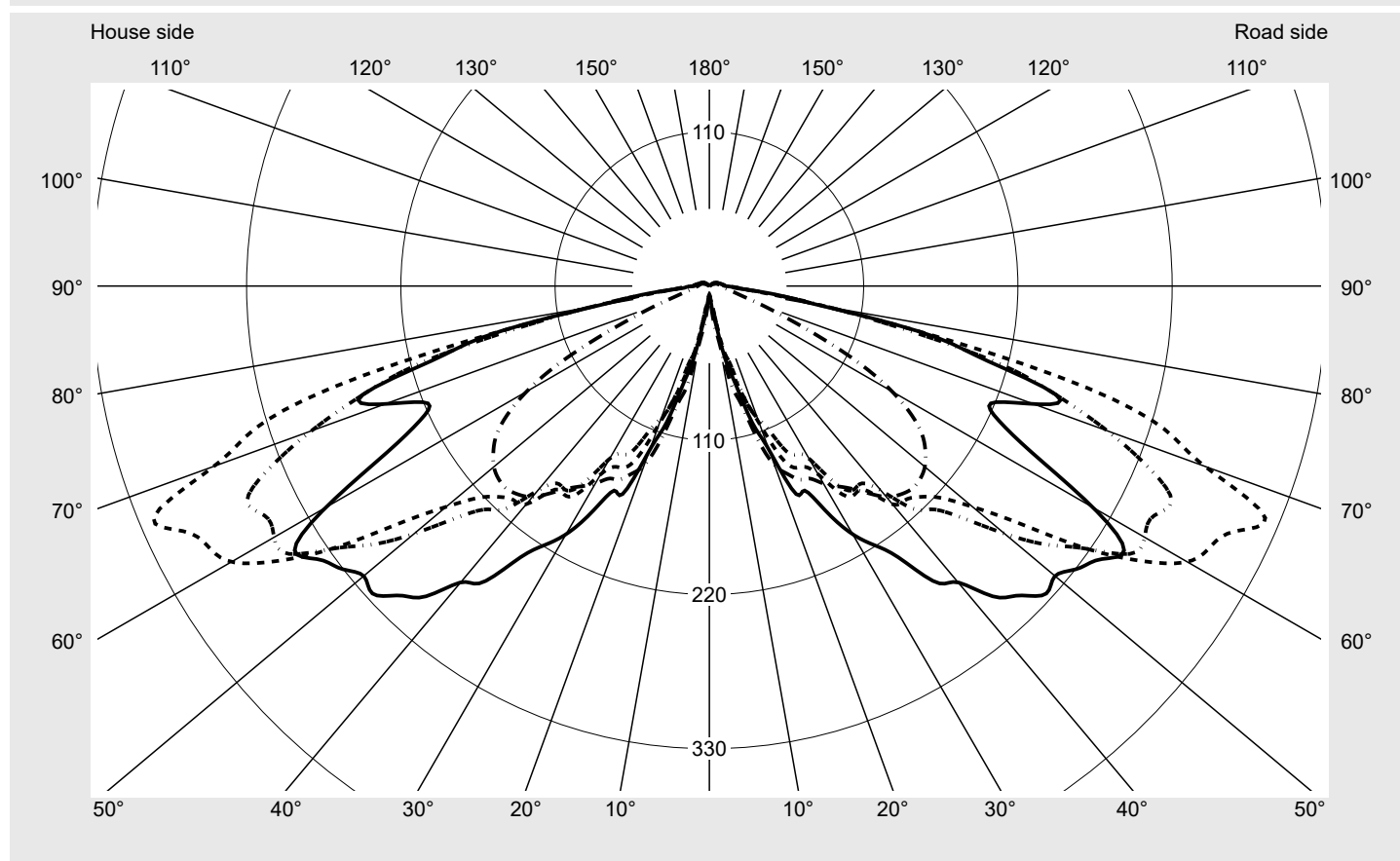
C180-0

C205-25

C210-30

C270-90

Imax: 428 cd/klm



Luminaire output ratios

Eta 100.0%
Eta 0° - 90° 97.5%
Eta 90° - 180° 2.5%

Luminous intensity class acc. to EN13201-2

Class: G3
Imax 70° 375.9
Imax 80° 93.9
Imax 90° 12.3
Imax >90° 11.5
Imax >95° 9.8

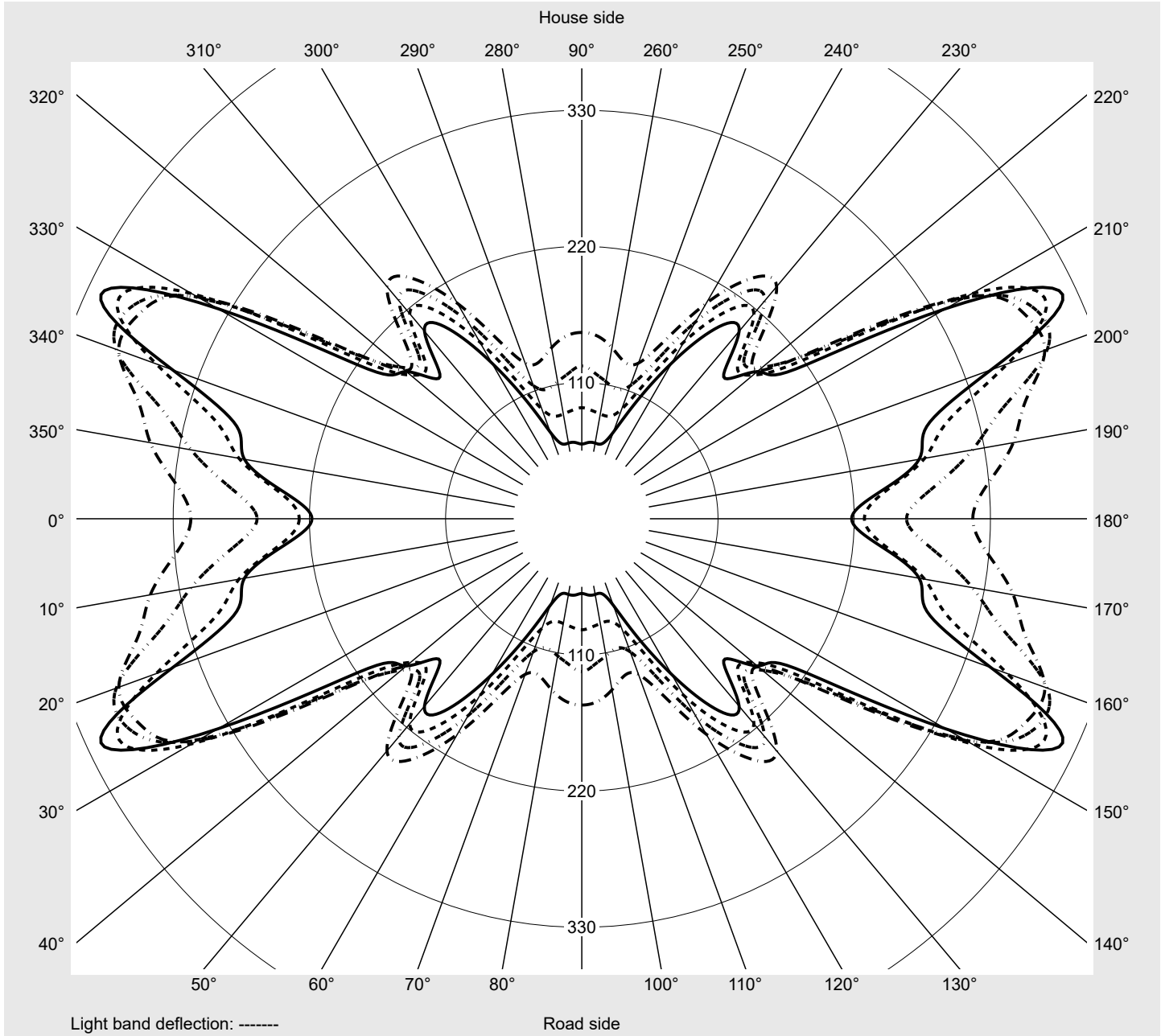
Measurement conditions

DIN EN 13032 and DIN 5032

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Family CITY-LIGHT PLUS LED	Order number: 5XA5275JF14H000022 EAN: 4058352636213	LP number 57132_28
Envelope curve in cd/klm KMK 67.5° KMK 65° KMK 62.5° KMK 60°		

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Family CITY-LIGHT PLUS LED	Order number: 5XA5275JF14H000022 EAN: 4058352636213	LP number 57132_28
Table of values for luminous intensities		Maximum luminous intensity

sitEco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
0,0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2,5°	7.3	7.3	7.6	7.5	7.6	7.7	7.7	7.7	7.7	7.8
5,0°	9.0	8.9	9.2	9.3	9.6	9.8	10.2	10.3	10.9	11.5
7,5°	21.0	20.3	19.1	17.3	14.8	12.8	11.8	11.8	13.1	15.6
10,0°	29.8	29.6	31.1	31.4	28.8	24.5	21.0	21.1	25.9	31.6
12,5°	55.4	53.4	56.1	46.7	47.2	46.5	47.4	46.8	46.2	46.0
15,0°	72.8	68.3	66.0	69.3	72.1	65.5	57.8	56.1	62.4	75.2
17,5°	103.0	98.8	101.6	92.5	91.5	85.2	85.3	82.1	74.0	81.8
20,0°	124.4	134.5	140.6	118.0	114.1	104.4	100.2	92.9	85.1	93.4
22,5°	159.9	153.9	153.6	146.0	141.9	130.6	111.6	103.0	84.8	95.4
25,0°	161.0	155.4	157.7	147.4	146.0	142.9	130.2	119.9	87.0	101.5
27,5°	182.2	180.9	174.3	163.7	152.1	145.4	135.1	127.7	92.2	116.6
30,0°	204.4	210.4	201.8	182.0	166.4	155.0	142.1	128.2	97.1	131.4
32,5°	219.2	212.1	204.3	194.2	181.6	176.1	166.5	150.0	110.4	157.7
35,0°	237.4	236.8	221.9	199.3	185.1	181.1	177.9	166.8	127.1	171.0
37,5°	266.7	261.4	245.2	213.1	199.4	183.7	177.6	172.1	134.4	192.8
40,0°	275.9	273.9	251.9	228.9	217.4	203.2	190.3	180.0	140.9	207.0
42,5°	300.6	290.7	267.8	243.4	222.3	206.9	215.7	190.2	146.2	226.3
45,0°	312.1	315.3	292.4	266.3	236.2	212.7	225.2	197.4	158.1	225.7
47,5°	325.2	329.0	322.3	296.6	251.4	223.6	244.8	205.4	166.5	238.3
50,0°	321.7	338.1	345.7	318.1	270.3	245.0	274.7	223.5	173.3	235.6
52,5°	331.2	337.7	349.8	332.6	294.2	277.4	302.9	238.4	175.4	232.3
55,0°	339.9	347.0	348.8	351.5	329.1	325.1	326.2	246.9	182.9	223.7
57,5°	350.6	355.7	354.0	364.2	368.7	364.9	355.6	248.0	186.8	215.8
60,0°	315.8	329.5	353.9	371.4	398.0	393.5	358.5	248.4	186.1	202.1
62,5°	262.2	284.5	320.4	353.9	400.1	402.8	356.3	243.1	190.4	186.0
65,0°	228.2	245.0	281.2	306.4	365.8	413.8	363.7	232.4	180.6	178.6
67,5°	217.9	240.5	276.7	288.5	351.7	428.5	339.5	210.9	185.0	162.1
70,0°	246.0	264.9	279.5	294.0	328.2	375.9	302.1	190.2	159.9	140.1
72,5°	260.1	265.2	264.1	283.3	320.1	340.7	260.4	166.2	136.7	101.6
75,0°	203.8	207.5	223.5	241.2	274.4	275.6	214.3	127.2	87.1	64.1
77,5°	160.1	152.5	151.2	164.9	175.6	164.3	143.0	72.9	41.3	48.6
80,0°	81.8	75.0	83.5	93.9	91.0	85.1	86.4	40.6	39.0	37.2
82,5°	49.7	45.3	47.4	57.6	49.7	42.7	48.3	29.1	33.0	25.9
85,0°	22.0	22.9	24.9	27.1	25.2	24.3	24.6	18.6	21.1	15.4
87,5°	16.6	16.9	18.2	19.1	18.6	18.2	18.4	15.1	14.7	11.8
90,0°	11.3	11.4	12.1	12.3	12.0	11.6	11.3	10.6	8.9	7.9
92,5°	10.6	10.7	11.3	11.5	11.2	10.8	10.5	9.9	8.4	7.5
95,0°	10.0	10.1	10.5	10.7	10.4	10.0	9.7	9.2	7.9	7.0
97,5°	9.3	9.4	9.8	9.8	9.6	9.2	8.9	8.4	7.4	6.6
100,0°	8.7	8.7	9.0	9.0	8.7	8.4	8.2	7.7	6.9	6.2
102,5°	8.0	8.0	8.2	8.2	7.9	7.6	7.4	7.0	6.3	5.8
105,0°	7.4	7.4	7.4	7.3	7.1	6.8	6.6	6.2	5.8	5.4
107,5°	6.9	6.9	6.9	6.8	6.5	6.3	6.1	5.8	5.5	5.1
110,0°	6.4	6.4	6.4	6.3	6.0	5.8	5.6	5.3	5.2	4.8

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Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	0.0
2,5°	7.8	7.9	7.9	8.1	8.2	8.2	8.2	8.1	8.1	0.1	0.1
5,0°	12.1	12.8	13.4	13.6	13.8	13.9	13.9	14.0	13.9	0.3	0.4
7,5°	18.6	21.4	23.5	24.8	26.8	28.0	28.8	29.1	28.9	0.7	1.1
10,0°	37.1	40.1	42.1	41.9	42.1	42.3	41.6	42.3	41.5	1.6	2.7
12,5°	47.3	49.2	54.5	61.2	67.9	68.9	70.6	71.5	71.9	3.3	6.0
15,0°	79.3	77.3	80.6	81.3	84.0	86.3	86.6	86.5	86.5	5.3	11.2
17,5°	87.8	80.2	92.1	98.5	105.0	112.7	114.6	114.7	114.5	7.8	19.1
20,0°	101.6	102.0	110.1	111.9	113.1	123.1	131.0	135.0	136.1	10.6	29.7
22,5°	103.4	105.1	120.4	125.2	126.6	136.7	143.0	144.6	144.9	13.3	43.0
25,0°	107.8	113.5	131.4	136.9	137.2	144.2	151.0	152.0	152.4	15.6	58.5
27,5°	119.2	118.9	141.1	152.0	152.8	156.1	155.8	154.7	154.8	18.3	76.9
30,0°	141.6	136.5	152.1	163.6	164.3	163.8	164.0	162.8	162.7	21.7	98.5
32,5°	167.2	155.1	164.2	176.4	175.9	171.9	170.0	169.3	169.3	25.3	123.9
35,0°	187.7	185.9	186.0	188.4	187.2	180.5	177.6	176.5	176.4	29.2	153.1
37,5°	200.2	206.6	207.6	198.7	196.1	188.5	186.0	186.0	186.2	33.2	186.2
40,0°	217.3	218.2	222.6	210.5	203.2	196.1	196.1	196.2	196.3	37.1	223.3
42,5°	239.3	228.8	234.7	221.6	205.7	200.9	201.0	201.5	201.7	41.1	264.4
45,0°	251.9	242.1	238.9	228.5	207.8	203.6	204.0	204.5	204.4	44.9	309.3
47,5°	259.0	250.6	241.5	226.4	203.9	203.2	203.5	204.0	203.8	48.7	358.0
50,0°	263.2	252.9	237.4	218.2	198.4	197.9	200.0	200.3	200.6	52.0	410.0
52,5°	264.9	256.1	234.0	205.8	184.7	188.3	192.3	194.1	194.2	54.7	464.6
55,0°	263.6	256.7	226.7	191.7	170.1	173.7	179.9	183.7	185.4	57.3	521.9
57,5°	255.8	250.7	216.7	175.0	152.1	155.1	163.6	168.9	170.8	59.2	581.1
60,0°	244.8	236.5	200.9	158.9	133.8	131.5	140.3	148.0	150.5	58.9	640.1
62,5°	229.8	221.8	183.6	139.3	114.4	108.3	112.5	118.3	123.5	56.2	696.3
65,0°	216.2	205.0	164.9	120.8	94.3	85.7	85.9	88.0	89.7	52.3	748.5
67,5°	197.7	187.1	145.2	104.4	74.4	62.7	62.1	61.9	60.4	49.5	798.0
70,0°	176.3	165.9	124.1	87.9	60.6	44.6	40.9	40.2	40.7	46.1	844.1
72,5°	140.3	136.0	105.0	72.1	49.1	32.8	28.0	26.5	26.8	41.7	885.8
75,0°	114.2	117.4	88.8	55.3	36.1	26.1	21.9	19.9	19.9	33.9	919.7
77,5°	91.3	94.6	71.2	38.7	22.6	19.7	17.6	16.1	15.6	23.4	943.1
80,0°	45.0	48.7	34.9	22.4	16.8	15.6	14.6	13.4	13.1	13.4	956.5
82,5°	22.9	19.7	17.1	15.3	14.7	13.6	12.4	11.7	11.1	8.1	964.6
85,0°	12.1	13.2	13.4	12.7	12.3	12.0	11.1	10.4	10.3	4.8	969.4
87,5°	10.0	11.2	11.3	11.1	10.9	10.7	10.1	9.3	9.1	3.8	973.2
90,0°	8.0	9.4	9.8	9.7	9.7	9.6	9.1	8.4	8.1	2.8	976.0
92,5°	7.5	8.7	9.1	9.0	8.7	8.7	8.3	7.6	7.7	2.6	978.5
95,0°	7.0	8.1	8.5	8.4	7.8	7.9	7.5	7.0	7.3	2.4	980.9
97,5°	6.5	7.4	7.8	7.8	7.1	7.2	6.9	6.5	6.9	2.2	983.1
100,0°	6.0	6.8	7.1	7.1	6.5	6.7	6.5	6.1	6.5	2.0	985.1
102,5°	5.5	6.1	6.4	6.5	6.2	6.3	6.1	5.9	6.2	1.8	986.9
105,0°	5.0	5.4	5.8	5.8	5.9	6.0	5.9	5.8	5.8	1.7	988.5
107,5°	4.9	5.0	5.3	5.4	5.5	5.6	5.5	5.4	5.2	1.5	990.0
110,0°	4.7	4.7	5.0	5.0	5.1	5.2	5.2	5.0	4.7	1.4	991.4

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Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
112,5°	6.4	6.4	6.4	6.3	6.1	5.8	5.7	5.5	5.3	5.1
115,0°	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.2	5.0	4.9
117,5°	5.5	5.5	5.5	5.4	5.2	5.0	4.9	4.8	4.7	4.6
120,0°	5.1	5.0	5.1	5.0	4.8	4.6	4.5	4.4	4.4	4.3
122,5°	4.5	4.5	4.5	4.5	4.3	4.1	4.0	4.0	4.0	3.9
125,0°	4.0	4.0	4.0	3.9	3.8	3.6	3.5	3.5	3.5	3.5
127,5°	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.6
130,0°	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.1
132,5°	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.7
135,0°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
137,5°	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
140,0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142,5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145,0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147,5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
112,5°	4.6	5.0	5.1	5.2	5.3	5.5	5.5	4.7	3.7	1.4	992.8
115,0°	4.5	4.7	4.8	4.9	5.0	5.2	5.2	4.3	3.1	1.3	994.1
117,5°	4.3	4.4	4.5	4.6	4.7	4.9	4.9	3.9	2.6	1.2	995.3
120,0°	4.2	4.1	4.1	4.2	4.3	4.5	4.5	3.5	2.2	1.0	996.3
122,5°	3.7	3.7	3.7	3.8	3.9	4.1	4.1	3.1	1.8	0.9	997.2
125,0°	3.2	3.3	3.3	3.3	3.5	3.6	3.6	2.7	1.5	0.8	998.0
127,5°	2.5	2.5	2.4	2.5	2.5	2.6	2.8	2.1	1.5	0.6	998.6
130,0°	2.0	2.0	2.0	2.0	2.0	2.1	2.2	1.7	1.3	0.4	999.0
132,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.3	1.1	0.3	999.4
135,0°	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.9	0.2	999.6
137,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.2	999.8
140,0°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.5	0.6	0.1	999.9
142,5°	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.1	1000.0
145,0°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.0	1000.0
147,5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family CITY-LIGHT PLUS LED	Order number: 5XA5275JF14H000022 EAN: 4058352636213	LP number 57132_28
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	2830	19.3	20.6	20.0
95	241	252	2685	18.3	19.4	18.8
90	229	250	2551	17.3	18.4	17.8
85	216	248	2407	16.3	17.3	16.8
80	203	246	2262	15.2	16.2	15.7
75	190	243	2117	14.2	15.1	14.6
70	178	241	1983	13.3	14.1	13.7
65	165	238	1838	12.4	13.2	12.8
60	152	235	1694	11.4	12.1	11.8
55	140	232	1560	10.5	11.2	10.8
50	127	229	1415	9.6	10.1	9.8
45	114	225	1270	8.7	9.2	9.0
40	102	221	1136	7.9	8.3	8.1
35	89	216	992	7.1	7.4	7.2
30	76	210	847	6.2	6.5	6.4
25	63	203	702	5.4	5.6	5.5
20	51	195	568	4.6	4.8	4.7
17	44	190	490	4.1	4.3	4.2