

Photometric test report

Family
CITY-LIGHT PLUS LED

Order number: **5XA5275RF14H**
EAN: **4058352835432**

LP number
57132_26



Version post-top- or mounting to wall arm
Optic direct, symmetric wide distribution
C120007
Cover cover transparent, PMMA
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 2840 lm
Power consumption = 18.5 W
Luminous efficacy = 153.5 lm/W

serial
documentation
24.02.2023

siteco

Luminous intensity in cd/klm

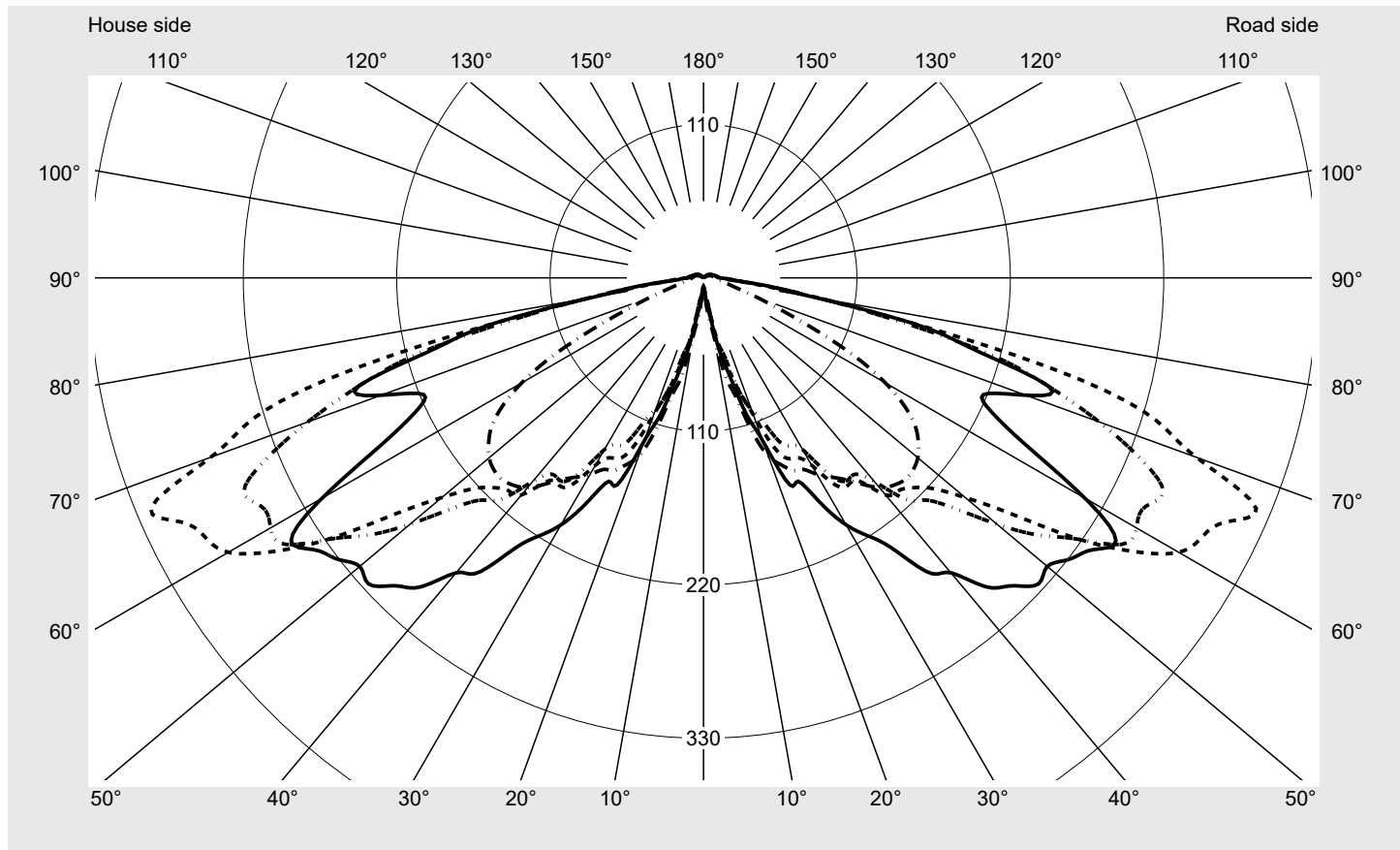
C180-0

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

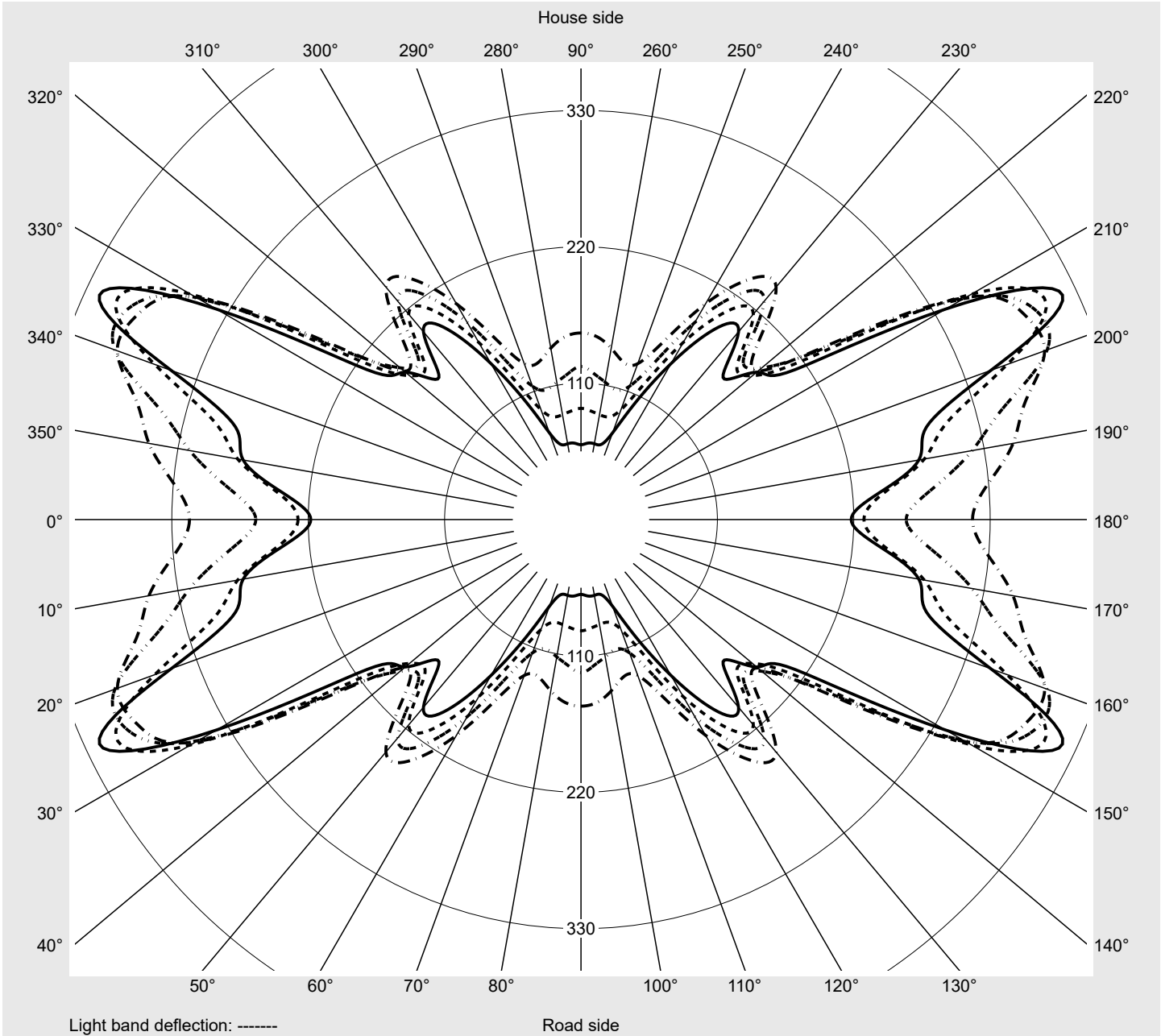
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family CITY-LIGHT PLUS LED	Order number: 5XA5275RF14H EAN: 4058352835432	LP number 57132_26
---	--	-------------------------------------

Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



Photometric test report

Family CITY-LIGHT PLUS LED	Order number: 5XA5275RF14H EAN: 4058352835432	LP number 57132_26
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	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

Photometric test report

Family CITY-LIGHT PLUS LED	Order number: 5XA5275RF14H EAN: 4058352835432	LP number 57132_26
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	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
	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

Photometric test report

Family CITY-LIGHT PLUS LED	Order number: 5XA5275RF14H EAN: 4058352835432	LP number 57132_26
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
		Luminous intensity in cd/klm								
γ										
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°	55°	60°	65°	70°	75°	80°	85°	90° 270°	Phi-zone	Total Phi-zone	
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°				
		Luminous intensity in cd/klm									Luminous flux in lm/klm	
γ												
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: 5XA5275RF14H EAN: 4058352835432	LP number 57132_26
--------------------------------------	--	------------------------------

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	2840	18.5	19.7	19.1
95	241	252	2695	17.5	18.6	18.0
90	229	250	2560	16.6	17.6	17.1
85	216	248	2415	15.6	16.6	16.1
80	203	246	2270	14.7	15.6	15.2
75	190	243	2124	13.7	14.6	14.2
70	178	241	1990	12.8	13.6	13.2
65	165	238	1845	11.9	12.6	12.2
60	152	235	1700	11.0	11.6	11.3
55	140	232	1565	10.1	10.8	10.4
50	127	229	1420	9.3	9.8	9.6
45	114	225	1275	8.4	8.9	8.6
40	102	221	1140	7.7	8.1	7.9
35	89	216	995	6.8	7.2	7.0
30	76	210	850	6.0	6.3	6.2
25	63	203	704	5.2	5.5	5.4
20	51	195	570	4.5	4.7	4.6
18	46	191	514	4.1	4.3	4.2