

Photometric test report

Family
CITY-LIGHT 400 LED

Order number: **5XA5305BF14HP**
EAN: **4058352835876**

LP number
58724_33



Version post-top- or mounting to wall arm
Optic asymmetric, extremely wide distribution (P1.0a)
Cover cover transparent, PMMA
Lamps LED 2200 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 3890 lm
Power consumption = 33.6 W
Luminous efficacy = 115.8 lm/W

serial
documentation
24.05.2022

siteco

Luminous intensity in cd/klm

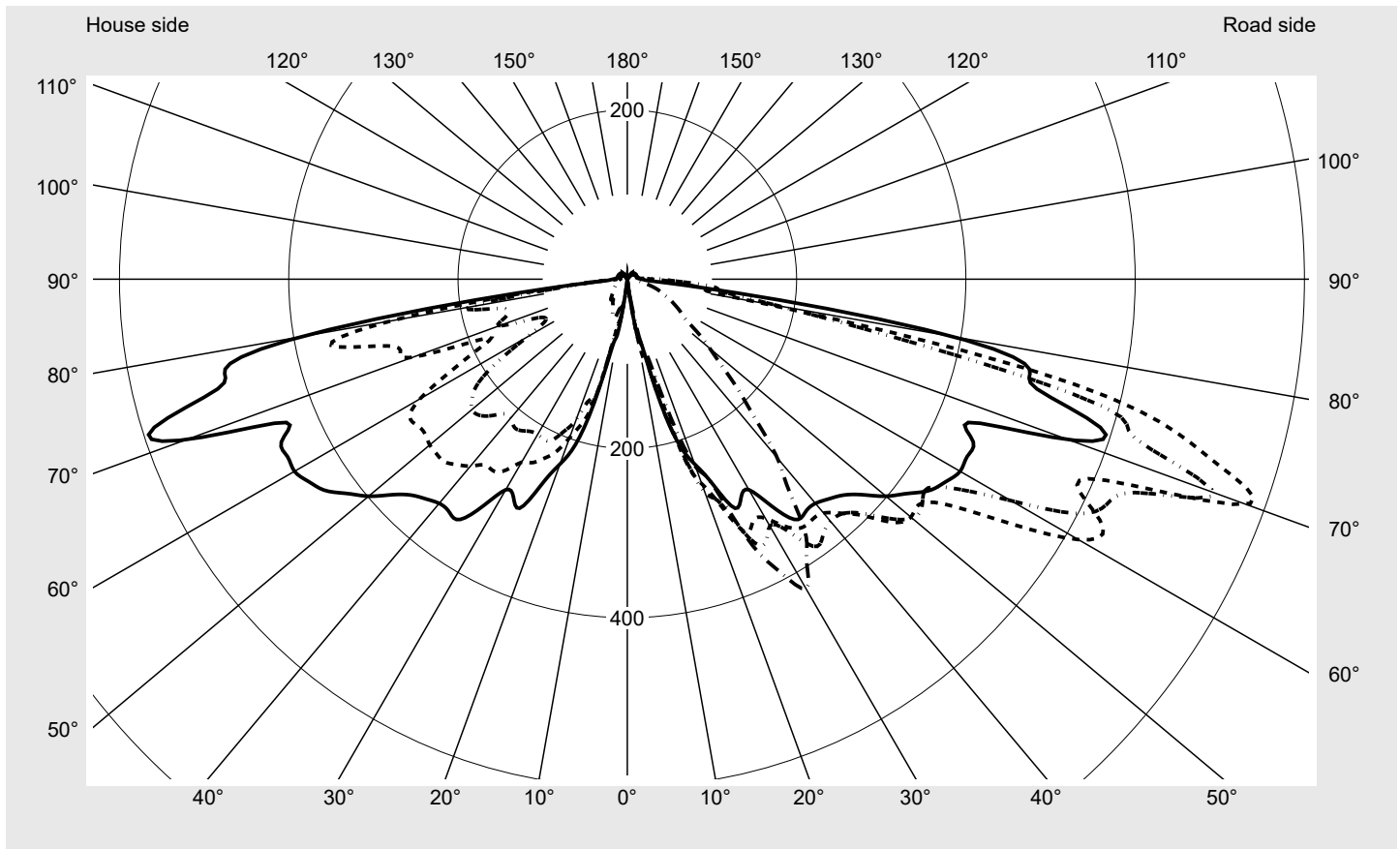
C180-0

C190-10

C195-15

C270-90

Imax: 778 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	94.5%
Eta 90° - 180°	5.5%

Luminous intensity class acc. to EN13201-2

Class:	---
Imax 70°	778.1
Imax 80°	390.6
Imax 90°	41.1
Imax >90°	22.0
Imax >95°	12.4

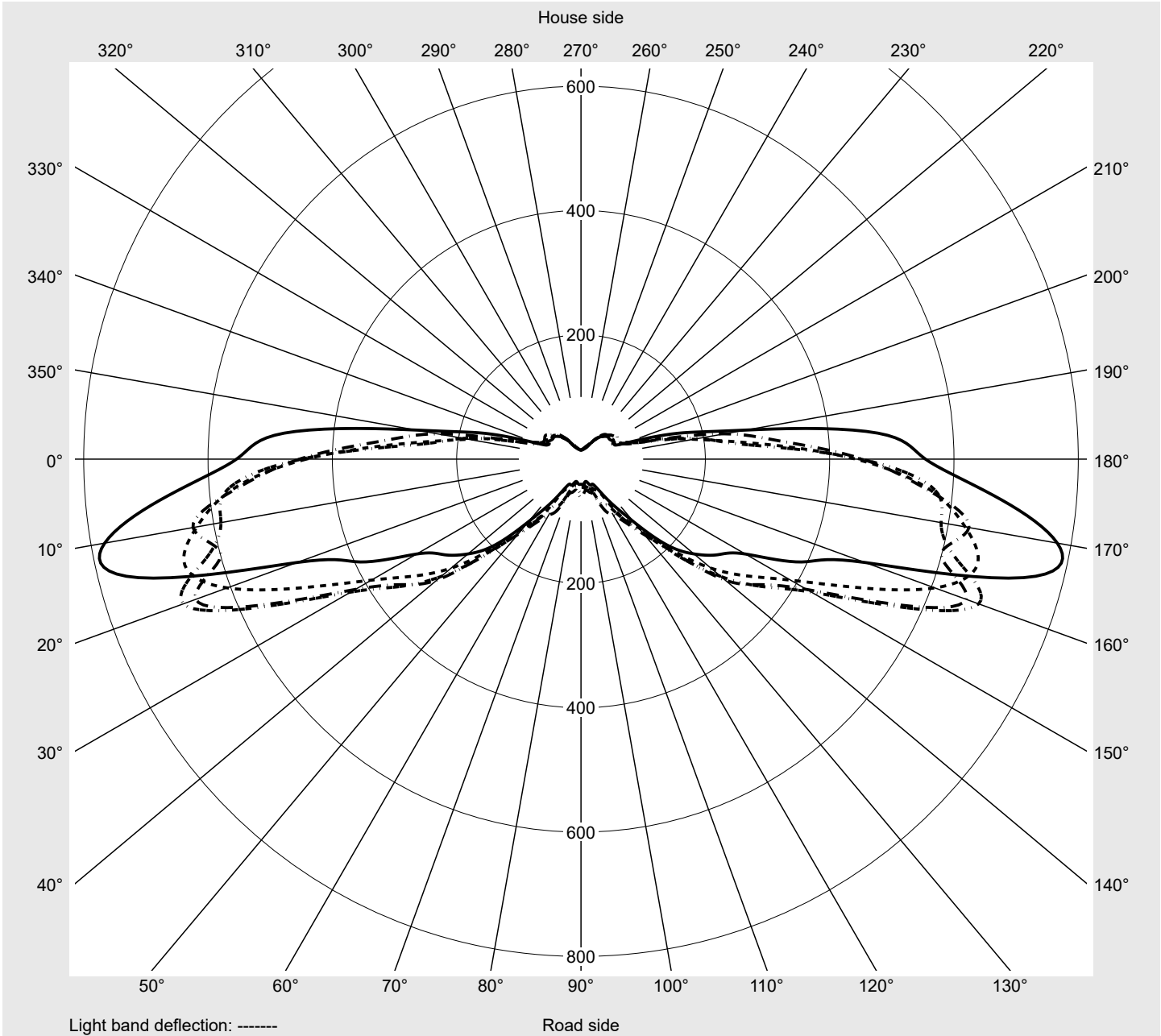
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 70°** **KMK 67.5°** **KMK 65°** **KMK 62.5°** **siteco**



Photometric test report

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Table of values for luminous intensities		Maximum luminous intensity

C-planes	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Luminous intensity in cd/klm												
0,0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2,5°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.1	1.2
5,0°	2.5	2.5	2.7	2.3	2.5	2.3	2.5	2.1	2.5	2.1	2.5	2.1	2.5
7,5°	14.5	11.3	13.5	9.6	12.4	9.4	11.0	7.3	8.9	6.7	7.6	6.0	8.5
10,0°	64.7	69.3	72.3	68.4	67.0	54.0	49.1	35.3	29.9	22.7	17.4	18.1	23.4
12,5°	81.3	86.6	101.2	82.4	93.4	100.4	104.7	81.3	84.9	54.9	56.5	60.4	67.5
15,0°	151.3	127.6	118.3	148.1	153.9	142.1	149.2	112.3	126.0	140.1	165.6	147.7	159.6
17,5°	206.2	209.4	217.5	213.3	218.3	184.4	188.5	200.9	206.6	179.8	175.6	169.5	196.8
20,0°	232.4	241.1	257.4	268.2	244.7	246.2	255.8	251.4	272.5	244.1	243.6	257.9	252.8
22,5°	260.2	274.2	290.5	285.6	293.2	296.0	299.2	278.7	299.0	296.0	295.1	277.6	271.4
25,0°	298.0	322.8	329.9	334.6	335.2	318.0	322.2	305.8	315.5	301.5	304.9	298.2	307.2
27,5°	291.1	332.9	322.1	352.5	345.3	342.4	346.3	338.0	337.8	312.7	315.0	306.7	304.0
30,0°	287.3	326.0	326.1	336.8	348.1	352.7	361.9	347.6	329.5	303.8	305.4	308.8	295.1
32,5°	318.3	335.4	346.2	352.7	348.3	348.1	359.4	345.6	352.4	319.2	301.5	298.3	278.3
35,0°	346.9	366.5	358.6	385.7	378.0	357.5	365.5	348.8	350.8	324.2	303.6	289.1	263.1
37,5°	346.2	370.4	358.4	380.2	391.2	382.5	376.6	364.2	345.8	323.8	286.5	264.7	244.7
40,0°	345.8	366.9	360.7	373.4	383.4	385.7	383.4	363.3	338.2	310.7	264.5	237.7	227.5
42,5°	352.2	371.3	375.2	375.9	379.1	375.2	378.6	354.8	320.8	287.7	247.0	213.6	209.2
45,0°	360.9	387.8	395.2	391.2	391.0	372.7	366.0	344.2	307.2	268.2	225.0	195.2	188.5
47,5°	377.0	412.9	425.2	418.3	414.4	379.3	360.5	334.3	298.7	243.1	195.8	187.8	179.5
50,0°	399.0	427.8	437.4	439.5	439.0	401.6	371.0	329.7	282.6	215.1	171.3	176.8	167.1
52,5°	416.1	440.8	436.0	439.2	450.0	417.4	378.8	329.3	272.6	201.2	153.9	159.4	151.8
55,0°	435.4	468.8	466.3	431.7	439.0	421.5	382.5	328.4	272.8	198.6	151.1	147.2	135.2
57,5°	445.7	507.9	538.2	461.0	464.3	437.8	377.3	334.8	280.4	198.2	152.2	131.8	118.5
60,0°	454.0	550.8	615.3	523.3	543.0	481.0	384.6	341.2	291.6	206.0	161.6	125.1	109.7
62,5°	453.0	558.4	633.7	599.8	659.4	551.0	419.3	352.0	302.8	214.7	158.7	123.8	104.0
65,0°	450.2	571.7	588.2	626.4	680.8	561.2	427.8	357.7	293.7	219.3	153.6	116.0	86.1
67,5°	442.2	563.4	627.5	659.7	605.7	488.2	389.4	327.9	272.8	205.7	143.3	111.6	64.3
70,0°	554.1	665.4	778.1	736.8	486.1	391.5	305.2	268.2	237.2	195.0	131.3	89.3	58.5
72,5°	588.0	735.5	733.8	631.2	439.3	306.7	210.8	181.8	185.5	174.9	116.6	74.2	47.8
75,0°	501.0	537.8	651.2	583.2	295.1	204.3	138.5	127.4	121.7	124.9	85.4	64.7	40.4
77,5°	486.1	396.5	468.6	344.2	201.2	142.8	111.3	109.8	81.3	68.0	42.7	38.8	30.6
80,0°	390.6	266.3	154.3	181.1	129.3	95.5	80.6	76.4	47.7	40.4	30.5	24.6	21.4
82,5°	155.2	126.5	92.7	114.1	93.7	67.3	61.8	51.9	25.5	20.7	17.7	16.5	16.1
85,0°	38.8	48.0	69.3	101.9	72.3	48.7	41.6	31.2	20.2	15.8	14.2	13.3	13.1
87,5°	20.7	32.4	47.7	59.9	41.6	28.3	20.9	19.0	14.7	13.5	12.6	12.2	11.7
90,0°	16.8	20.4	29.8	41.1	22.0	15.8	15.2	12.9	11.7	11.5	11.3	11.3	11.0
92,5°	14.7	15.8	22.0	20.6	14.5	13.1	12.0	11.7	11.3	11.3	11.3	11.0	11.0
95,0°	13.1	13.8	17.4	12.9	12.0	12.0	11.7	11.5	11.3	11.3	11.2	11.0	10.8
97,5°	12.4	12.2	12.0	12.0	11.7	11.7	11.5	11.3	11.2	11.2	11.2	11.0	11.0
100,0°	12.0	12.0	11.9	11.9	11.7	11.5	11.3	11.3	11.2	11.2	11.2	11.0	10.8
102,5°	11.9	11.9	11.7	11.7	11.7	11.5	11.5	11.2	11.2	11.2	11.2	11.0	10.8
105,0°	11.9	11.9	11.9	11.7	11.5	11.3	11.3	11.2	11.2	11.2	11.2	11.2	11.2
107,5°	11.7	11.7	11.7	11.5	11.5	11.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2
110,0°	11.7	11.7	11.7	11.5	11.5	11.5	11.3	11.2	11.3	11.2	11.2	11.3	11.3
112,5°	11.5	11.7	11.5	11.5	11.5	11.5	11.2	11.2	11.3	11.3	11.5	11.3	11.5

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Table of values for luminous intensities		Maximum luminous intensity



C-planes	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Luminous intensity in cd/klm												
0,0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2,5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5,0°	2.1	2.5	2.3	2.8	2.5	2.8	3.2	3.0	3.9	3.4	4.6	3.5	4.8
7,5°	8.0	10.3	8.5	10.1	8.3	9.9	18.4	14.5	17.9	12.4	12.4	11.0	15.9
10,0°	25.3	37.6	37.9	42.7	37.7	40.0	65.7	50.0	54.2	40.7	36.0	27.1	29.6
12,5°	63.1	69.6	78.1	88.8	82.6	83.3	82.4	67.3	62.7	64.8	65.2	82.2	74.8
15,0°	125.6	119.4	105.2	105.4	92.7	98.5	140.8	143.7	143.1	119.4	126.3	113.7	95.8
17,5°	172.9	174.7	172.4	182.6	174.9	174.0	199.8	179.3	150.2	141.2	147.2	118.5	114.8
20,0°	208.0	219.0	206.4	237.6	233.1	236.3	203.0	199.5	176.4	153.8	152.7	131.1	115.7
22,5°	270.5	262.4	261.3	266.3	275.5	261.5	241.6	221.1	194.2	175.7	162.5	131.1	116.7
25,0°	288.2	300.1	309.0	333.4	336.2	342.6	259.2	233.8	209.8	175.6	158.9	131.8	124.9
27,5°	290.7	300.1	328.6	369.4	409.4	389.4	262.0	244.5	213.3	184.2	158.9	135.2	125.2
30,0°	296.4	306.1	334.1	369.2	421.6	422.3	276.9	249.8	211.9	182.8	166.7	138.2	123.8
32,5°	284.5	307.4	332.9	354.1	402.5	394.0	295.0	267.7	213.3	178.0	170.4	148.8	118.0
35,0°	269.3	284.7	306.8	322.8	365.3	367.1	309.1	276.4	218.4	176.8	171.0	146.3	100.3
37,5°	253.3	264.5	282.7	286.6	314.1	312.5	316.6	276.7	219.8	187.1	169.7	123.1	82.0
40,0°	238.5	240.8	250.7	248.7	273.5	275.7	329.7	288.2	213.8	195.8	156.6	95.8	76.4
42,5°	217.9	219.3	220.2	208.2	225.9	224.3	340.0	297.3	215.6	192.2	127.4	77.9	74.9
45,0°	187.6	191.9	190.6	172.4	183.2	186.4	353.6	305.2	228.2	184.4	93.9	70.9	73.5
47,5°	166.3	163.3	161.7	140.0	147.6	151.6	365.8	305.6	237.7	169.0	77.4	70.3	71.6
50,0°	150.6	139.2	134.5	113.9	118.9	127.2	378.8	304.7	239.3	140.1	74.4	70.0	69.8
52,5°	135.7	119.0	114.3	96.4	101.0	107.0	390.6	301.0	231.0	112.3	77.4	70.3	68.2
55,0°	118.9	99.4	95.1	79.4	81.3	86.5	396.8	302.0	216.0	96.2	78.7	69.8	66.8
57,5°	106.3	83.8	79.2	67.3	68.2	76.5	402.0	304.5	181.6	85.6	76.5	66.3	68.2
60,0°	95.1	71.7	67.9	57.8	60.4	69.1	388.5	282.9	136.9	79.2	70.5	67.0	68.9
62,5°	90.9	62.7	55.4	50.7	54.7	61.3	325.8	234.4	111.1	73.0	66.6	67.3	67.9
65,0°	81.5	56.5	48.7	45.2	49.8	54.2	267.2	192.4	107.5	79.2	60.4	64.3	64.7
67,5°	54.4	48.0	42.7	40.7	44.6	45.7	286.1	183.9	124.5	73.7	56.7	60.4	58.5
70,0°	44.5	44.5	38.4	37.2	40.6	40.4	479.6	269.3	160.5	73.5	59.3	58.6	56.0
72,5°	38.3	37.2	32.6	33.7	35.3	34.0	552.2	281.0	151.8	48.0	49.6	54.0	51.0
75,0°	34.2	35.6	31.5	28.7	28.3	26.6	485.6	304.9	146.9	43.9	44.5	47.1	47.8
77,5°	31.7	29.8	30.6	22.1	20.6	20.2	316.4	358.7	160.5	42.2	39.7	43.0	42.5
80,0°	25.9	21.4	26.0	17.0	16.7	15.9	171.7	283.3	188.8	39.5	34.7	36.7	34.4
82,5°	17.7	16.8	19.1	14.9	14.2	13.5	127.2	118.7	89.1	29.1	29.8	29.1	28.3
85,0°	14.0	14.4	14.2	12.0	11.9	12.0	66.4	48.9	42.9	31.5	25.3	26.0	25.2
87,5°	12.0	11.3	11.3	11.0	11.2	11.0	17.4	17.5	16.7	20.4	22.3	24.3	22.3
90,0°	11.0	11.0	10.8	10.6	10.6	10.6	14.2	13.5	14.9	17.4	20.6	21.3	18.6
92,5°	10.8	10.6	10.6	10.6	10.6	10.6	12.6	12.8	13.8	16.1	17.2	16.7	14.2
95,0°	10.8	10.6	10.6	10.6	10.6	10.6	12.0	12.2	12.6	13.1	12.8	12.2	11.0
97,5°	10.8	10.6	10.6	10.6	10.6	10.6	11.9	11.7	11.3	11.3	11.0	10.6	10.3
100,0°	10.8	10.6	10.8	10.6	10.6	10.6	11.7	11.7	11.3	11.2	10.8	10.6	10.5
102,5°	10.8	10.8	10.8	10.6	10.6	10.6	11.7	11.5	11.3	11.2	10.8	10.6	10.3
105,0°	11.2	10.8	10.8	10.6	10.6	10.6	11.5	11.5	11.2	11.2	10.6	10.5	10.5
107,5°	11.0	11.0	11.0	10.8	10.6	11.0	11.7	11.5	11.3	11.2	10.8	10.6	10.5
110,0°	11.0	11.0	11.0	10.6	10.6	10.6	11.5	11.5	11.2	11.2	10.6	10.5	10.5
112,5°	11.2	11.2	11.0	10.8	10.6	10.6	11.5	11.5	11.0	11.2	10.6	10.8	10.5

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
2,5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	0.0	0.0
5,0°	3.9	5.3	5.0	6.6	5.1	6.2	5.0	6.0	4.6	5.7	4.3	0.1	0.1
7,5°	15.4	19.3	21.1	23.4	25.2	25.9	22.9	25.5	23.0	26.2	24.4	0.5	0.6
10,0°	25.0	27.6	27.8	34.2	33.5	31.9	30.6	30.1	29.9	30.5	31.9	1.9	2.5
12,5°	66.8	71.6	60.9	54.4	47.1	42.0	37.6	37.4	37.9	35.4	35.1	4.1	6.6
15,0°	85.7	83.6	81.1	85.7	61.5	52.4	43.2	42.7	41.5	39.3	37.2	7.8	14.4
17,5°	92.8	83.8	72.1	79.2	58.6	51.2	49.2	45.7	44.8	43.9	47.5	12.0	26.4
20,0°	98.7	91.8	90.5	91.2	78.7	58.6	46.2	41.5	42.3	44.3	46.8	16.5	42.8
22,5°	106.5	95.1	87.0	85.4	69.6	56.3	47.7	41.1	40.9	44.3	45.0	20.8	63.6
25,0°	107.5	91.9	77.2	66.8	56.2	47.8	45.0	40.4	39.9	40.7	40.4	25.0	88.6
27,5°	110.9	82.4	65.4	52.4	47.8	44.5	41.8	37.7	36.0	37.0	36.8	28.3	116.8
30,0°	93.2	62.9	52.3	48.7	48.7	45.9	42.2	37.2	34.2	34.5	34.0	30.6	147.4
32,5°	83.3	64.8	57.6	54.0	48.9	43.0	38.6	34.5	30.5	32.1	31.9	33.0	180.5
35,0°	76.5	69.6	63.4	57.9	53.1	46.6	40.0	34.9	30.3	30.3	29.1	35.3	215.8
37,5°	73.5	68.4	62.0	56.2	51.7	46.1	40.0	34.4	31.4	31.0	30.8	36.5	252.3
40,0°	72.1	66.8	61.3	55.4	50.1	44.5	38.3	33.0	31.0	30.3	30.1	37.1	289.4
42,5°	71.4	66.1	60.9	54.6	49.4	43.0	36.1	30.8	28.5	27.1	27.3	37.3	326.7
45,0°	70.3	65.5	60.9	53.3	46.8	39.9	34.0	29.4	26.6	25.2	25.2	37.6	364.3
47,5°	68.9	64.3	59.7	51.4	44.1	37.4	31.7	27.3	24.3	23.0	23.0	38.3	402.7
50,0°	67.1	62.7	58.5	49.4	42.2	35.4	29.4	25.5	22.3	21.4	21.3	39.0	441.6
52,5°	64.7	60.9	57.2	47.1	39.9	33.1	27.6	23.7	21.1	20.0	19.8	39.4	481.0
55,0°	62.4	59.7	55.8	45.0	37.2	30.8	25.7	22.1	19.7	18.6	18.1	40.0	521.0
57,5°	60.9	57.6	53.9	42.9	34.7	28.9	23.9	20.7	18.6	17.5	17.4	41.4	562.4
60,0°	60.4	57.0	51.2	40.2	32.1	26.6	22.3	19.5	17.7	16.5	16.3	43.7	606.0
62,5°	59.2	56.2	49.2	38.1	29.6	24.6	21.3	18.6	16.8	15.8	15.6	45.7	651.7
65,0°	60.2	54.0	46.4	35.8	27.3	23.0	20.0	17.7	16.1	15.2	14.9	45.6	697.2
67,5°	58.5	53.3	43.9	36.7	26.0	21.8	19.3	17.2	15.8	14.9	14.5	44.4	741.7
70,0°	55.8	51.6	46.4	39.0	26.9	20.7	18.2	16.5	15.6	14.5	14.2	47.2	788.8
72,5°	51.4	44.8	38.8	31.2	24.8	19.1	17.2	15.6	14.7	13.8	13.1	44.2	833.0
75,0°	46.6	36.1	35.4	24.4	21.4	17.5	16.1	14.7	13.8	12.8	12.0	36.9	869.9
77,5°	40.9	32.4	28.5	21.8	19.3	16.5	15.1	13.8	12.9	11.9	11.3	28.9	898.8
80,0°	31.2	25.9	23.6	20.9	18.4	15.8	14.4	12.9	12.0	11.3	10.6	19.8	918.6
82,5°	24.4	22.0	19.7	19.7	17.2	14.9	13.6	12.2	11.5	10.8	10.3	11.9	930.4
85,0°	21.3	18.6	18.1	16.8	15.9	13.8	12.8	11.7	11.0	10.5	9.6	7.8	938.2
87,5°	18.6	15.4	14.9	14.5	13.6	12.2	11.7	10.6	10.5	9.7	9.2	5.1	943.3
90,0°	16.1	13.1	12.0	11.3	11.2	10.5	10.6	10.1	9.7	9.0	8.1	4.0	947.3
92,5°	12.9	11.2	10.6	10.1	9.7	9.6	9.4	9.0	9.0	8.7	7.8	3.4	950.7
95,0°	10.6	10.1	9.9	9.6	9.4	9.4	9.2	9.0	8.9	8.7	7.8	3.1	953.8
97,5°	10.1	9.9	9.7	9.6	9.4	9.4	9.4	9.0	8.9	8.7	7.8	2.9	956.7
100,0°	10.1	9.9	9.9	9.7	9.4	9.4	9.4	9.2	9.0	8.9	8.1	2.9	959.6
102,5°	10.1	10.1	9.7	9.7	9.7	9.4	9.4	9.4	9.0	8.9	8.1	2.9	962.4
105,0°	10.3	10.1	9.9	9.7	9.7	9.7	9.4	9.4	9.0	9.0	8.1	2.8	965.3
107,5°	10.1	10.1	10.1	9.7	9.9	9.7	9.6	9.4	9.2	9.2	8.1	2.8	968.1
110,0°	10.3	10.1	10.3	9.9	9.9	9.9	9.6	9.4	9.4	9.2	8.5	2.8	970.8
112,5°	10.1	10.1	10.3	9.9	10.1	9.9	9.7	9.6	9.4	8.9	8.1	2.7	973.6

Photometric test report

Family CITY-LIGHT 400 LED	Order number: 5XA5305BF14HP EAN: 4058352835876	LP number 58724_33
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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C-planes	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Luminous intensity in cd/klm												
115,0°	11.5	11.5	11.5	11.5	11.3	11.5	11.2	11.2	11.3	11.2	11.3	11.3	11.3
117,5°	11.5	11.5	11.5	11.5	11.3	11.3	11.2	11.2	11.2	11.3	11.5	11.3	11.3
120,0°	11.2	11.3	11.3	11.3	11.2	11.2	11.2	11.0	11.0	11.2	11.5	11.5	11.3
122,5°	11.2	11.2	11.2	11.2	11.3	11.2	11.2	11.0	11.2	11.2	11.5	11.7	11.3
125,0°	10.8	11.2	11.0	11.2	11.0	11.2	11.0	11.0	11.0	11.2	11.3	11.5	11.3
127,5°	10.8	10.8	10.8	11.0	11.0	11.0	11.0	10.8	10.8	11.0	11.3	11.5	11.3
130,0°	10.8	10.8	10.6	10.6	10.6	10.8	10.6	10.8	10.8	11.0	11.2	11.5	11.3
132,5°	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	11.0	11.2	11.0
135,0°	10.1	10.1	10.1	10.3	10.3	10.3	10.5	10.5	10.5	10.6	10.6	11.0	10.8
137,5°	9.9	9.9	9.9	9.9	9.9	10.1	10.1	10.1	10.3	10.3	10.5	10.6	10.5
140,0°	9.4	9.7	9.7	9.7	9.6	9.7	9.7	9.7	9.9	10.1	10.1	10.3	10.3
142,5°	9.0	9.4	9.2	9.2	9.2	9.4	9.4	9.6	9.7	9.7	9.9	10.1	10.1
145,0°	8.9	9.0	9.0	9.0	9.0	9.2	9.2	9.4	9.6	9.6	9.7	9.9	9.7
147,5°	0.0	0.0	0.0	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	0.0	0.0	0.0

Photometric test report

Family CITY-LIGHT 400 LED	Order number: 5XA5305BF14HP EAN: 4058352835876	LP number 58724_33
		siteco

C-planes	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Luminous intensity in cd/klm												
115,0°	11.2	11.2	11.0	10.6	10.3	10.3	11.3	11.5	11.2	11.2	10.8	10.6	10.5
117,5°	11.3	11.2	11.0	10.6	9.9	9.9	11.3	11.2	11.2	10.8	10.6	10.5	10.5
120,0°	11.3	11.2	11.0	10.5	9.6	9.6	11.2	11.2	10.8	10.8	10.6	10.5	10.3
122,5°	11.3	11.0	11.0	10.1	9.4	9.2	11.0	11.0	10.6	10.8	10.3	10.5	10.1
125,0°	11.2	11.0	10.6	10.1	9.2	9.2	10.6	10.8	10.5	10.5	10.3	10.1	10.1
127,5°	11.2	11.0	10.6	9.9	9.0	8.9	10.6	10.6	10.3	10.5	10.1	10.1	9.7
130,0°	10.8	10.8	10.5	9.6	8.9	8.5	10.5	10.5	10.1	10.3	9.9	9.7	9.6
132,5°	10.8	10.6	10.3	9.0	8.1	7.8	10.3	10.3	10.1	10.1	9.7	9.6	9.4
135,0°	10.6	10.3	9.7	8.1	7.1	6.0	9.9	9.9	9.6	9.7	9.6	9.4	9.2
137,5°	10.3	9.9	9.0	7.1	5.5	3.9	9.7	9.6	9.2	9.4	9.2	9.2	9.0
140,0°	10.1	9.7	8.5	6.2	4.4	3.2	9.4	9.4	8.9	9.2	8.9	8.9	8.5
142,5°	9.9	9.2	7.6	5.8	4.1	2.8	8.9	9.0	8.9	8.9	8.3	8.5	8.1
145,0°	9.7	8.9	7.1	5.1	3.7	2.8	8.9	8.7	8.5	8.5	8.1	8.1	8.1
147,5°	0.0	0.0	0.0	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	0.0	0.0	0.0

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
115,0°	10.1	10.1	10.3	10.1	10.1	9.9	9.7	9.7	9.4	8.3	7.8	2.7	976.2
117,5°	10.1	10.1	9.9	10.1	10.1	9.9	9.9	9.9	9.2	7.8	7.4	2.6	978.8
120,0°	10.1	9.7	9.9	10.1	9.9	9.9	9.9	9.9	9.2	7.4	7.4	2.5	981.3
122,5°	9.9	9.7	9.9	9.7	9.9	9.9	9.9	9.9	9.0	7.1	7.1	2.4	983.7
125,0°	9.7	9.6	9.6	9.7	9.9	9.9	9.9	9.7	8.7	6.7	7.1	2.3	986.1
127,5°	9.7	9.4	9.4	9.4	9.7	9.7	9.9	9.7	8.7	6.7	6.7	2.2	988.3
130,0°	9.4	9.2	9.2	9.2	9.6	9.6	9.6	9.7	8.3	6.6	6.7	2.1	990.4
132,5°	9.2	9.2	9.0	9.0	9.4	9.4	9.4	9.4	7.8	6.0	6.0	2.0	992.4
135,0°	9.0	8.9	8.7	8.9	8.9	9.0	9.0	8.7	7.1	5.7	5.3	1.8	994.2
137,5°	8.9	8.5	8.5	8.3	8.5	8.5	8.7	8.0	6.4	5.0	4.3	1.7	995.8
140,0°	8.5	8.3	8.3	8.1	8.3	8.3	8.3	7.3	6.0	5.0	4.3	1.5	997.4
142,5°	8.1	8.0	8.0	7.8	7.8	7.8	7.8	6.7	5.7	4.8	4.6	1.4	998.7
145,0°	8.0	7.8	7.8	7.6	7.8	7.4	7.3	6.2	5.5	5.0	4.3	1.3	1000.0
147,5°	0.0	0.0	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	0.0	0.0	1000.0

Photometric test report

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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	3890	33.6	35.9	34.8
95	241	252	3691	31.3	33.5	32.4
90	229	250	3507	29.4	31.4	30.4
85	216	248	3308	27.3	29.2	28.2
80	203	246	3109	25.4	27.1	26.2
75	190	243	2910	23.5	25.1	24.3
70	178	241	2726	21.9	23.3	22.6
65	165	238	2527	20.1	21.4	20.8
60	152	235	2328	18.4	19.5	19.0
55	140	232	2144	16.8	17.9	17.4
50	127	229	1945	15.2	16.2	15.7
45	114	225	1746	13.6	14.5	14.0
40	102	221	1562	12.2	13.0	12.6
35	89	216	1363	10.7	11.3	11.0
30	76	210	1164	9.2	9.7	9.4
25	63	203	965	7.8	8.2	8.0
20	51	195	781	6.6	6.9	6.8
15	38	184	582	5.2	5.4	5.3
11	28	173	429	4.1	4.3	4.2