

Photometric test report

Family LANTERN LED



Order number: 5XA5255MF14H + 5XA54000XBL
EAN: 4058352833568 + 4050737971421

LP number
59068_23

serial
documentation
04.11.2022

Version post-top- or mounting to wall arm, shielding on building side
Optic asymmetric, wide distribution (ST1.2a)
Cover cover transparent, PMMA
Lamps LED 2700 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 1530 lm
 Power consumption = 11.8 W
 Luminous efficacy = 129.7 lm/W

siteco

Luminous intensity in cd/klm

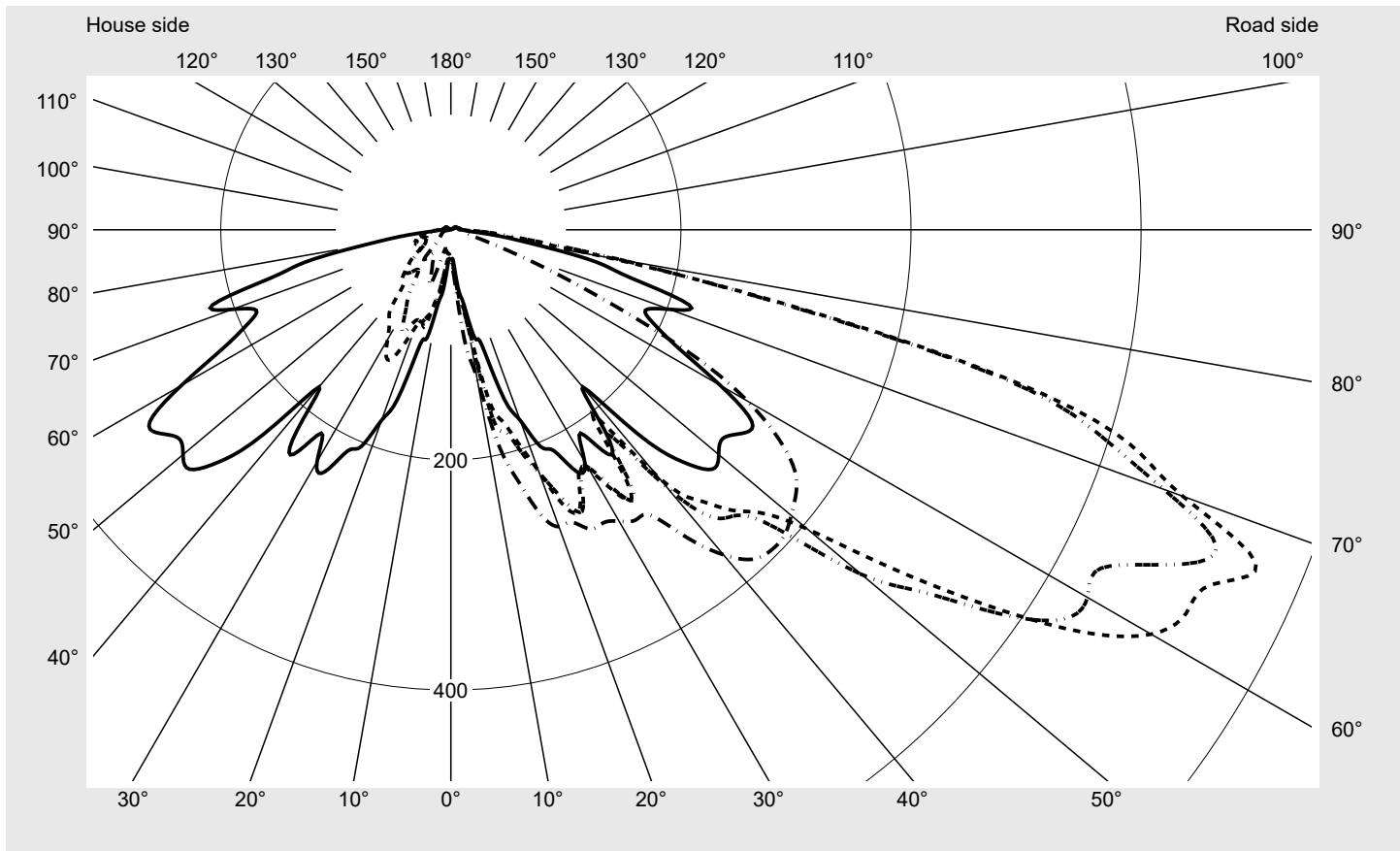
C180-0

C205-25

C210-30

C270-90

Imax: 758 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	97.9%
Eta 90° - 180°	2.1%

Luminous intensity class acc. to EN13201-2

Class:	G2
Imax 70°	677.1
Imax 80°	149.8
Imax 90°	9.5
Imax >90°	9.0
Imax >95°	8.2

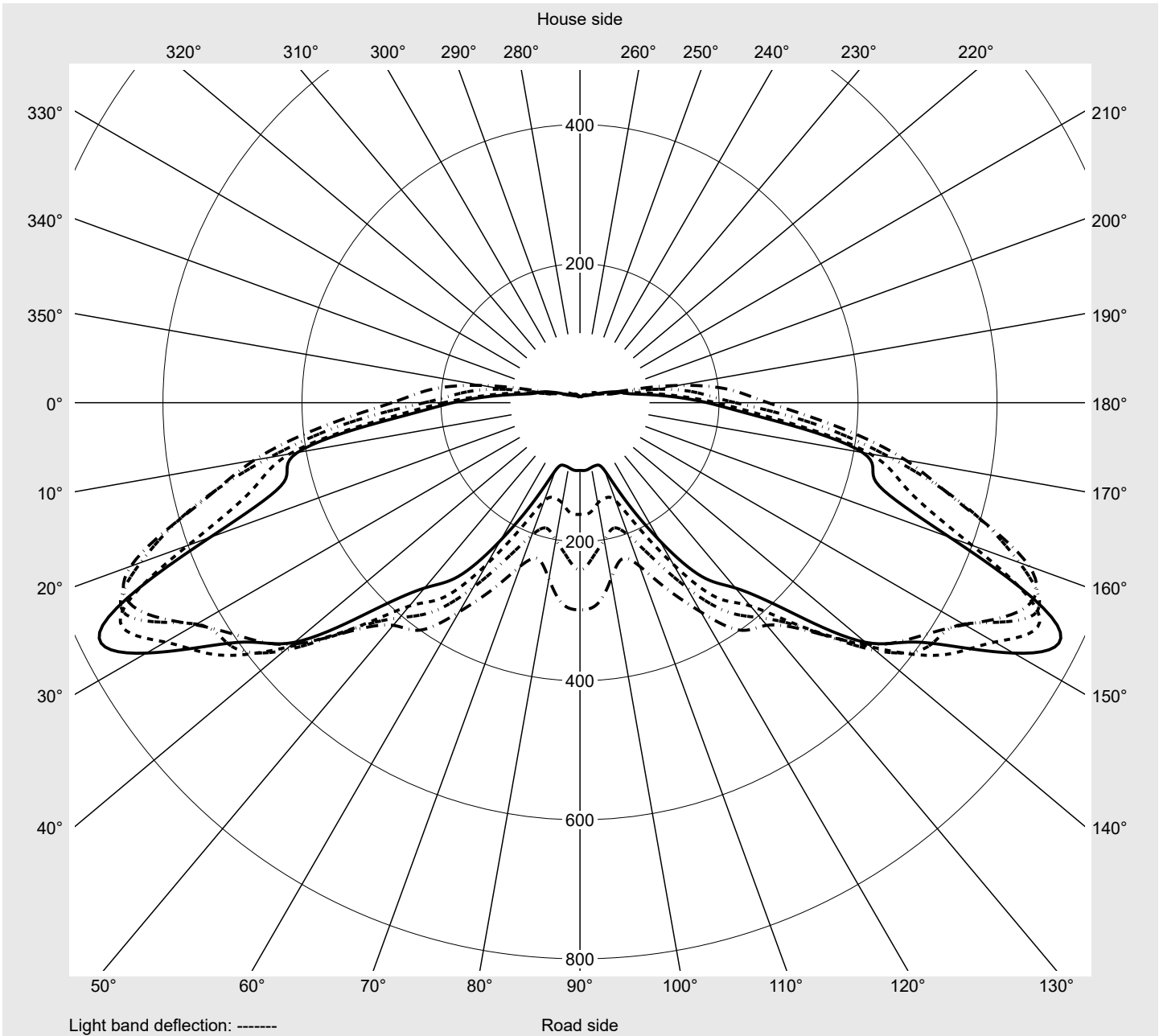
Measurement conditions

DIN EN 13032 and DIN 5032

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



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Table of values for luminous intensities		Maximum luminous intensity
siteco		


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°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2,5°	25.3	25.6	26.1	26.7	27.2	27.8	28.3	28.9	29.7	30.5	31.0	31.6	32.1
5,0°	30.5	32.1	34.0	36.2	37.9	40.0	41.4	43.9	46.0	48.2	49.8	50.9	52.0
7,5°	54.2	57.5	60.2	60.7	61.6	63.7	66.2	69.2	72.4	76.0	79.0	84.2	86.9
10,0°	67.0	70.5	72.2	72.2	76.0	79.5	85.8	93.4	103.8	113.3	121.5	125.0	127.5
12,5°	96.4	95.6	99.4	106.5	132.6	149.5	167.0	171.6	161.0	156.9	153.6	153.1	162.9
15,0°	103.2	118.5	138.4	162.9	172.1	171.9	180.8	179.8	191.5	189.0	195.6	194.5	194.5
17,5°	154.4	162.1	169.7	170.8	184.7	193.9	201.8	210.8	214.3	214.3	215.4	213.0	217.6
20,0°	176.2	189.8	211.6	214.9	218.7	223.6	225.0	221.4	218.4	221.7	234.0	234.2	230.7
22,5°	204.0	220.9	242.1	244.6	253.3	261.5	252.7	247.8	223.1	225.5	237.0	250.8	254.7
25,0°	211.9	237.8	244.9	254.9	262.8	265.8	269.9	259.3	247.0	229.9	228.5	249.2	275.4
27,5°	237.0	239.7	244.6	242.4	232.6	240.5	244.9	262.0	264.5	260.6	258.2	263.4	284.1
30,0°	232.6	238.0	240.2	251.1	257.1	241.6	238.0	255.5	277.8	288.7	284.9	284.3	298.0
32,5°	209.7	222.2	236.4	250.3	269.1	274.8	271.5	270.2	284.1	318.4	335.8	323.8	315.7
35,0°	238.0	236.4	243.5	242.9	248.9	266.4	275.4	276.7	275.4	281.3	307.8	318.1	309.1
37,5°	219.5	214.1	229.1	211.6	207.8	202.4	224.4	256.8	289.0	318.4	329.6	359.8	360.9
40,0°	178.4	180.3	198.3	223.3	264.2	280.8	292.8	302.6	333.1	352.7	353.5	372.6	393.8
42,5°	241.0	238.3	261.5	286.0	300.7	318.9	339.6	349.4	351.6	384.0	392.2	392.5	406.1
45,0°	285.4	283.8	315.7	334.7	344.0	344.5	351.1	382.9	394.4	410.2	431.7	415.6	426.2
47,5°	308.0	310.5	372.0	390.6	388.7	363.9	384.0	422.7	443.9	431.1	448.3	455.9	449.4
50,0°	304.0	314.3	419.2	408.0	461.4	404.7	466.0	491.1	456.7	445.9	466.0	467.6	445.9
52,5°	298.0	314.6	408.5	417.8	513.9	483.2	517.2	542.8	479.9	455.4	471.2	472.5	439.9
55,0°	308.6	331.5	404.5	463.3	566.5	569.2	581.5	569.2	511.5	465.7	468.5	463.6	418.3
57,5°	310.2	366.3	446.1	520.2	655.3	650.7	630.2	558.6	536.3	470.6	452.7	439.0	391.1
60,0°	270.5	364.7	475.8	569.5	687.7	703.0	639.0	588.8	540.4	464.1	418.1	399.3	347.5
62,5°	223.6	334.7	453.2	573.6	672.7	720.9	637.0	611.4	554.2	459.5	403.9	366.3	306.9
65,0°	195.8	289.5	424.1	489.4	600.3	729.6	688.8	633.0	546.4	457.8	381.8	341.8	268.5
67,5°	183.0	273.2	412.9	440.9	566.2	757.7	720.4	601.1	536.3	423.5	348.1	305.0	228.8
70,0°	202.1	301.8	413.7	435.8	523.5	677.1	659.4	560.8	481.5	388.1	314.0	267.5	185.7
72,5°	217.3	341.5	402.0	442.6	506.0	618.5	590.5	493.5	383.2	314.6	270.5	224.7	149.5
75,0°	162.6	293.9	362.0	378.0	438.0	502.0	493.5	366.3	268.8	207.8	200.5	180.3	126.4
77,5°	129.6	202.9	236.4	269.9	279.2	296.1	287.6	210.0	163.4	149.0	152.2	155.0	107.6
80,0°	77.1	89.1	105.9	147.6	147.1	138.1	149.8	137.5	117.7	85.2	72.7	76.3	48.8
82,5°	43.9	47.9	52.8	70.5	67.3	53.1	72.2	86.3	80.3	46.8	32.4	23.7	16.3
85,0°	18.5	22.1	23.2	26.1	20.4	25.9	41.7	47.4	31.3	21.2	14.4	12.8	12.0
87,5°	12.3	12.3	12.0	12.8	12.8	15.3	20.4	18.5	17.2	12.3	11.2	10.9	10.4
90,0°	7.9	8.2	8.7	9.0	9.3	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.3
92,5°	7.4	7.9	8.2	8.4	8.4	8.7	9.0	9.0	9.0	9.0	9.0	9.0	9.0
95,0°	7.1	7.4	7.6	7.9	7.9	8.2	8.4	8.7	8.7	8.7	8.7	8.7	8.7
97,5°	6.8	7.1	7.1	7.4	7.6	7.6	7.9	7.9	8.2	8.2	8.2	8.2	8.2
100,0°	6.3	6.5	6.8	6.8	7.1	7.1	7.4	7.6	7.6	7.6	7.6	7.6	7.6
102,5°	6.0	6.3	6.3	6.5	6.5	6.5	6.8	7.1	7.1	7.1	7.1	7.1	7.1
105,0°	5.7	5.7	6.0	6.0	6.3	6.3	6.3	6.5	6.5	6.5	6.5	6.5	6.8
107,5°	5.4	5.7	5.7	5.7	6.0	6.0	6.0	6.0	6.3	6.5	6.5	6.5	6.5
110,0°	5.4	5.4	5.7	5.7	5.7	5.7	6.0	6.0	6.0	6.0	6.3	6.3	6.5
112,5°	5.2	5.4	5.4	5.4	5.7	5.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3

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Table of values for luminous intensities		Maximum luminous intensity
		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												
0,0°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2,5°	32.7	33.0	33.2	33.5	33.5	33.8	25.1	24.5	24.2	24.2	24.0	24.0	23.7
5,0°	52.6	52.8	53.4	54.2	54.7	54.5	30.2	28.3	27.2	26.1	25.6	25.1	24.5
7,5°	90.4	95.6	98.3	99.7	100.8	104.0	48.8	44.4	38.7	34.3	31.6	29.7	28.1
10,0°	126.9	129.4	131.0	132.9	132.1	130.7	62.6	61.3	59.1	58.3	55.8	49.0	39.5
12,5°	168.3	175.9	180.6	184.1	188.2	191.2	84.2	79.3	71.4	62.6	65.4	70.5	60.5
15,0°	205.1	209.7	215.7	219.5	222.8	226.1	96.4	97.0	90.2	90.2	86.6	77.6	75.2
17,5°	222.5	234.0	241.9	251.1	257.7	259.3	127.5	109.8	98.0	89.9	83.1	83.9	84.2
20,0°	237.5	250.3	256.3	264.2	272.1	274.5	165.3	141.4	128.3	107.3	90.2	83.3	76.5
22,5°	253.8	257.4	274.3	276.4	273.4	275.1	175.1	165.3	142.7	132.6	109.5	89.1	68.4
25,0°	268.5	274.0	281.9	284.9	287.1	287.1	187.4	180.8	154.7	143.5	124.5	98.6	74.4
27,5°	291.2	294.1	292.0	292.0	286.5	287.1	206.4	184.9	159.9	144.9	122.0	89.1	66.5
30,0°	306.7	301.5	293.6	293.3	295.5	292.5	208.4	178.7	148.2	131.3	110.0	77.4	56.1
32,5°	326.8	319.5	303.1	297.1	298.5	299.0	193.4	163.7	143.5	124.7	99.7	68.9	47.1
35,0°	316.8	326.3	323.0	314.0	306.9	302.9	212.2	177.6	152.2	126.4	93.4	56.7	43.9
37,5°	353.2	356.8	332.5	324.1	332.0	337.2	224.7	166.1	151.4	133.2	85.2	47.1	42.8
40,0°	368.8	365.2	340.4	346.7	359.8	368.8	173.5	148.2	123.9	102.4	66.5	44.9	40.3
42,5°	388.1	374.8	359.2	370.1	381.3	388.4	211.4	161.5	138.4	103.2	61.8	49.0	43.0
45,0°	425.7	389.2	373.1	382.9	390.0	393.8	276.7	197.2	159.6	109.2	59.6	53.4	46.8
47,5°	434.7	386.7	376.4	383.2	391.4	393.3	291.7	218.2	165.6	94.2	54.5	52.8	46.8
50,0°	425.2	375.0	366.6	372.3	385.1	386.2	290.6	211.4	162.6	72.2	48.8	47.1	41.7
52,5°	394.9	353.2	351.3	359.2	377.2	378.0	282.4	211.4	149.3	56.7	44.1	41.4	36.5
55,0°	360.9	326.0	324.9	336.9	361.1	365.0	280.0	198.3	129.9	45.8	38.1	35.7	32.1
57,5°	328.5	287.1	284.6	304.8	331.2	337.7	264.5	176.8	94.8	43.3	32.4	30.8	28.3
60,0°	295.5	250.0	232.9	257.4	290.3	298.0	216.0	143.0	67.8	43.0	29.7	27.2	25.6
62,5°	245.7	202.9	186.8	200.7	221.7	240.2	168.0	110.9	50.9	39.5	28.9	25.1	22.9
65,0°	196.9	150.3	141.9	146.8	159.1	160.7	128.6	83.1	51.2	37.9	29.1	24.0	20.4
67,5°	155.5	104.0	93.1	94.5	97.5	97.5	117.9	73.8	59.1	44.7	32.7	23.4	19.1
70,0°	126.6	78.2	56.4	52.3	52.0	53.4	126.4	77.4	65.6	42.8	31.6	22.1	17.7
72,5°	95.1	67.0	37.0	28.6	27.2	27.8	124.2	76.8	60.7	39.8	31.6	22.3	17.2
75,0°	69.5	38.7	25.3	19.6	18.2	18.0	77.6	62.9	51.7	36.5	33.5	25.1	17.4
77,5°	51.5	23.2	18.0	15.3	14.7	14.7	66.2	49.6	43.0	33.0	28.1	22.6	17.4
80,0°	22.3	14.7	13.3	12.8	12.5	13.1	48.8	41.7	38.7	30.8	24.8	22.6	18.0
82,5°	13.1	11.7	11.4	11.4	11.4	11.4	32.4	30.8	30.2	23.4	20.7	17.7	13.9
85,0°	11.2	10.6	10.4	10.6	10.6	10.4	15.8	17.7	20.7	21.2	18.2	14.7	11.7
87,5°	10.1	9.8	9.8	9.8	9.8	9.8	11.7	13.1	14.4	14.4	13.3	10.9	9.3
90,0°	9.3	9.3	9.3	9.3	9.3	9.3	7.4	7.1	6.5	6.0	5.4	5.4	4.9
92,5°	9.0	8.7	8.7	8.7	8.7	8.7	7.1	6.8	6.3	6.0	5.4	4.9	4.9
95,0°	8.7	8.7	8.7	8.7	8.7	8.7	6.8	6.3	6.0	5.7	5.4	4.9	4.4
97,5°	8.2	8.2	8.2	8.2	8.2	8.2	6.5	6.3	5.7	5.4	4.9	4.9	4.4
100,0°	7.6	7.6	7.6	7.6	7.6	7.6	6.0	5.7	5.4	5.2	4.9	4.6	4.4
102,5°	7.1	7.1	7.1	7.1	7.1	7.1	5.7	5.4	5.2	4.9	4.6	4.4	4.4
105,0°	6.8	6.8	6.8	7.1	6.8	6.5	5.4	5.2	4.9	4.6	4.4	4.4	3.8
107,5°	6.5	6.5	6.5	6.5	6.5	6.0	5.2	5.2	4.9	4.6	4.4	4.1	3.8
110,0°	6.5	6.5	6.5	6.5	6.5	5.4	5.2	5.2	4.9	4.6	4.4	4.4	3.8
112,5°	6.5	6.5	6.5	6.5	5.7	3.3	5.2	4.9	4.9	4.6	4.4	4.1	3.8

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Table of values for luminous intensities		Maximum luminous intensity
		

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°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	0.0	0.0
2,5°	23.4	23.2	23.2	22.6	22.6	22.6	22.6	22.6	22.3	22.1	22.3	0.3	0.4
5,0°	24.0	23.7	23.7	22.6	22.1	21.5	21.2	21.0	21.0	21.0	20.7	0.8	1.2
7,5°	27.5	25.6	24.5	23.4	22.6	21.8	21.2	21.0	20.7	20.4	20.7	1.9	3.1
10,0°	30.8	26.7	24.5	23.2	22.1	21.2	20.7	20.2	19.9	19.9	19.6	3.4	6.5
12,5°	60.2	52.3	38.7	28.3	24.2	21.2	20.4	19.6	19.3	18.8	18.5	5.9	12.4
15,0°	69.2	58.3	55.8	53.9	48.5	38.1	22.9	21.0	19.3	19.1	18.5	8.7	21.1
17,5°	61.8	51.2	45.8	44.9	45.2	46.0	45.8	41.1	29.7	22.9	21.2	11.4	32.5
20,0°	61.0	43.6	40.0	39.5	38.1	38.1	38.4	38.1	40.6	44.9	48.5	14.3	46.8
22,5°	49.6	39.5	36.8	35.7	35.4	34.9	37.3	37.3	41.9	47.1	47.4	17.2	63.9
25,0°	51.7	39.2	34.6	33.5	33.8	34.3	39.8	39.8	39.5	40.6	39.2	19.8	83.7
27,5°	49.0	39.8	36.5	35.7	34.9	36.5	39.5	37.9	33.8	34.3	34.9	21.9	105.7
30,0°	46.0	44.4	41.7	39.2	37.3	36.5	36.2	34.0	30.2	31.3	31.0	24.1	129.8
32,5°	46.8	46.3	45.5	43.3	38.9	35.1	32.1	31.0	28.3	28.3	28.3	26.6	156.4
35,0°	41.9	44.1	44.9	45.8	42.5	38.1	33.8	30.5	27.0	26.1	26.1	28.4	184.8
37,5°	41.9	41.1	42.5	42.8	40.3	38.4	35.7	33.2	29.4	27.0	26.1	30.3	215.1
40,0°	39.8	38.1	36.2	36.8	38.7	37.0	36.2	35.4	33.0	32.1	31.6	33.1	248.2
42,5°	37.0	33.5	32.4	30.5	29.4	30.0	31.9	31.9	33.0	34.6	34.3	38.3	286.5
45,0°	37.9	31.3	28.3	27.0	26.4	25.1	24.5	25.3	27.0	27.0	25.1	43.5	330.0
47,5°	38.7	31.3	26.4	24.2	23.2	22.3	21.8	20.7	20.2	18.5	18.5	47.8	377.8
50,0°	35.7	30.8	26.1	22.6	21.0	19.6	18.5	17.2	15.5	14.2	13.6	51.2	428.9
52,5°	31.9	27.8	24.2	21.2	19.6	18.0	15.8	14.4	12.5	12.5	12.5	53.6	482.5
55,0°	28.3	24.8	21.5	19.3	18.0	16.9	15.0	13.1	11.4	11.4	11.4	55.9	538.4
57,5°	25.1	21.8	18.8	17.2	16.1	15.3	13.9	12.0	10.9	10.9	10.9	57.6	596.0
60,0°	22.1	18.8	16.3	15.0	14.4	13.6	12.5	10.6	10.4	10.4	10.4	57.0	653.0
62,5°	19.3	16.3	14.4	13.9	13.1	12.5	11.4	9.8	9.3	9.3	9.3	54.6	707.6
65,0°	17.4	15.3	13.6	12.8	12.3	11.4	10.9	9.3	9.0	8.7	8.7	51.2	758.8
67,5°	16.3	14.4	13.1	12.0	11.4	10.4	9.8	8.7	8.7	8.7	8.7	48.4	807.2
70,0°	15.5	13.9	12.5	11.4	10.6	9.8	9.3	8.4	8.2	8.2	8.2	45.1	852.2
72,5°	14.4	12.5	11.4	10.9	9.8	9.3	8.4	7.9	7.6	7.6	7.6	41.4	893.6
75,0°	14.2	12.0	10.4	9.5	9.0	8.4	7.9	7.4	7.1	7.1	6.5	33.5	927.2
77,5°	13.1	11.2	9.3	8.2	7.6	7.4	6.8	6.5	6.3	6.0	6.0	23.1	950.3
80,0°	13.3	9.8	7.6	6.5	6.3	6.0	5.4	4.9	4.9	4.4	4.4	13.3	963.6
82,5°	11.7	8.7	6.5	5.4	4.9	4.9	4.4	3.8	3.8	3.3	3.3	7.4	971.1
85,0°	8.7	6.8	5.4	4.9	4.4	3.8	3.3	3.3	2.7	2.7	2.7	4.1	975.2
87,5°	7.4	6.0	4.9	4.1	3.8	3.3	2.7	2.7	2.7	2.2	2.7	2.7	977.9
90,0°	4.4	4.1	3.8	3.5	3.3	3.0	2.7	2.5	2.2	2.2	2.2	1.9	979.8
92,5°	4.4	4.1	3.8	3.5	3.3	2.7	2.7	2.5	2.2	2.2	2.2	1.8	981.6
95,0°	4.4	3.8	3.8	3.3	3.3	2.7	2.7	2.7	2.2	2.2	2.2	1.7	983.3
97,5°	4.4	3.8	3.8	3.3	3.3	2.7	2.7	2.7	2.2	2.2	2.2	1.6	984.9
100,0°	4.1	3.8	3.8	3.3	3.3	2.7	2.7	2.7	2.2	2.2	2.2	1.5	986.5
102,5°	3.8	3.8	3.5	3.3	3.3	2.7	2.7	2.7	2.2	2.2	2.2	1.4	987.9
105,0°	3.8	3.8	3.3	3.3	3.3	2.7	2.7	2.7	2.2	2.2	2.2	1.3	989.2
107,5°	3.8	3.8	3.3	3.3	3.3	2.7	2.7	2.7	2.5	2.2	2.2	1.3	990.5
110,0°	3.8	3.8	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.2	2.2	1.3	991.8
112,5°	3.8	3.8	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.2	1.6	1.2	993.0

Photometric test report

Family LANTERN LED	Order number: 5XA5255MF14H + 5XA54000XBL EAN: 4058352833568 + 4050737971421	LP number 59068_23
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												
115,0°	5.2	5.2	5.4	5.4	5.7	5.7	5.7	5.7	6.0	6.0	6.0	6.0	6.0
117,5°	5.2	5.2	5.2	5.4	5.4	5.4	5.4	5.7	5.7	5.7	6.0	6.0	6.0
120,0°	4.9	4.9	4.9	4.9	5.2	5.2	5.2	5.4	5.4	5.4	5.4	5.7	5.7
122,5°	4.4	4.4	4.4	4.6	4.6	4.6	4.9	4.9	4.9	4.9	4.9	4.9	5.2
125,0°	3.5	3.5	3.5	3.5	3.5	3.8	3.8	3.8	3.8	3.8	4.1	4.1	4.1
127,5°	2.5	2.7	2.5	2.7	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
130,0°	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
132,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
135,0°	1.6	1.6	1.6	1.6	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
137,5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
140,0°	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.8	0.5	0.5	0.5	0.5	0.5
142,5°	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145,0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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
150,0°	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
152,5°	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
155,0°	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
157,5°	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
160,0°	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
162,5°	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
165,0°	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
167,5°	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
170,0°	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
172,5°	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
175,0°	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
177,5°	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 LANTERN LED	Order number: 5XA5255MF14H + 5XA54000XBL EAN: 4058352833568 + 4050737971421	LP number 59068_23
Table of values for luminous intensities		Maximum luminous intensity
		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°	6.3	6.3	6.3	6.5	5.2	2.2	4.9	4.9	4.6	4.4	4.4	4.4	3.8
117,5°	6.0	6.0	6.0	6.0	4.4	2.2	4.9	4.9	4.6	4.4	4.4	4.1	3.8
120,0°	6.0	6.0	6.0	6.0	3.8	1.6	4.6	4.4	4.4	4.1	4.1	3.8	3.8
122,5°	5.2	5.4	5.4	5.4	3.3	1.6	4.1	4.1	3.8	3.8	3.8	3.5	3.3
125,0°	4.4	4.4	4.4	4.4	2.7	1.6	3.3	3.3	3.3	3.3	3.0	2.7	2.7
127,5°	2.7	2.7	2.7	2.7	1.6	1.1	2.5	2.5	2.5	2.2	2.5	2.2	2.2
130,0°	1.6	1.6	1.6	1.6	1.1	1.1	1.9	1.9	2.2	2.2	2.2	1.9	1.9
132,5°	1.4	1.6	1.6	1.1	1.1	0.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
135,0°	1.1	1.1	1.1	1.1	0.5	0.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
137,5°	1.1	1.1	1.1	0.5	0.5	0.5	1.1	1.4	1.4	1.4	1.4	1.4	1.6
140,0°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142,5°	0.5	0.5	0.5	0.5	0.5	0.5	0.8	1.1	1.1	1.1	1.1	1.1	1.1
145,0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	1.1	1.1	1.1
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
150,0°	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
152,5°	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
155,0°	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
157,5°	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
160,0°	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
162,5°	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
165,0°	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
167,5°	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
170,0°	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
172,5°	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
175,0°	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
177,5°	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 LANTERN LED	Order number: 5XA5255MF14H + 5XA54000XBL EAN: 4058352833568 + 4050737971421	LP number 59068_23
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	
115,0°	3.8	3.8	3.3	3.3	3.3	3.0	2.7	2.7	2.7	2.2	1.6	1.2	994.2
117,5°	3.8	3.5	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.2	1.6	1.1	995.3
120,0°	3.8	3.3	3.3	3.3	3.0	2.7	2.7	2.7	2.5	1.9	1.6	1.0	996.3
122,5°	3.3	3.3	2.7	2.7	2.7	2.7	2.5	2.2	2.2	1.6	1.6	0.9	997.2
125,0°	2.7	2.7	2.7	2.5	2.2	2.2	2.2	2.2	1.6	1.6	1.6	0.7	997.9
127,5°	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	0.5	998.4
130,0°	1.9	2.2	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.4	998.8
132,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.3	999.1
135,0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.1	1.1	0.3	999.4
137,5°	1.4	1.6	1.4	1.6	1.4	1.1	1.1	1.1	1.1	1.1	1.1	0.2	999.6
140,0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.2	999.7
142,5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.1	999.9
145,0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.1	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
150,0°	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
152,5°	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
155,0°	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
157,5°	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
160,0°	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
162,5°	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
165,0°	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
167,5°	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
170,0°	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
172,5°	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
175,0°	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
177,5°	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

Family LANTERN LED	Order number: 5XA5255MF14H + 5XA54000XBL EAN: 4058352833568 + 4050737971421	LP number 59068_23
Dimming levels table		siteco
environmental temperature: 25°C		

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	1530	11.8	12.1	12.0
95	241	252	1452	11.1	11.4	11.2
90	229	250	1379	10.6	10.8	10.7
85	216	248	1301	9.9	10.2	10.0
80	203	246	1223	9.3	9.6	9.4
75	190	243	1144	8.7	9.0	8.8
70	178	241	1072	8.2	8.4	8.3
65	165	238	994	7.6	7.7	7.6
60	152	235	916	7.0	7.2	7.1
55	140	232	843	6.5	6.6	6.6
50	127	229	765	6.0	6.1	6.0
45	114	225	687	5.4	5.6	5.5
40	102	221	614	5.0	5.1	5.0
35	89	216	536	4.5	4.6	4.6
30	76	210	458	4.0	4.0	4.0
26	65	204	392	3.6	3.7	3.6