

Photometric test report

Family
MUSHROOM LUMINAIRE LED

Order number: **5XA5235LF14HP**
EAN: **4058352833223**

LP number
59053_11



Version post-top- or mounting to wall arm
Optic asymmetric, extremely wide distribution (P1.0a)
Cover cover transparent, PMMA
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 4960 lm
Power consumption = 33.6 W
Luminous efficacy = 147.6 lm/W

serial
documentation
24.05.2022

siteco

Luminous intensity in cd/klm

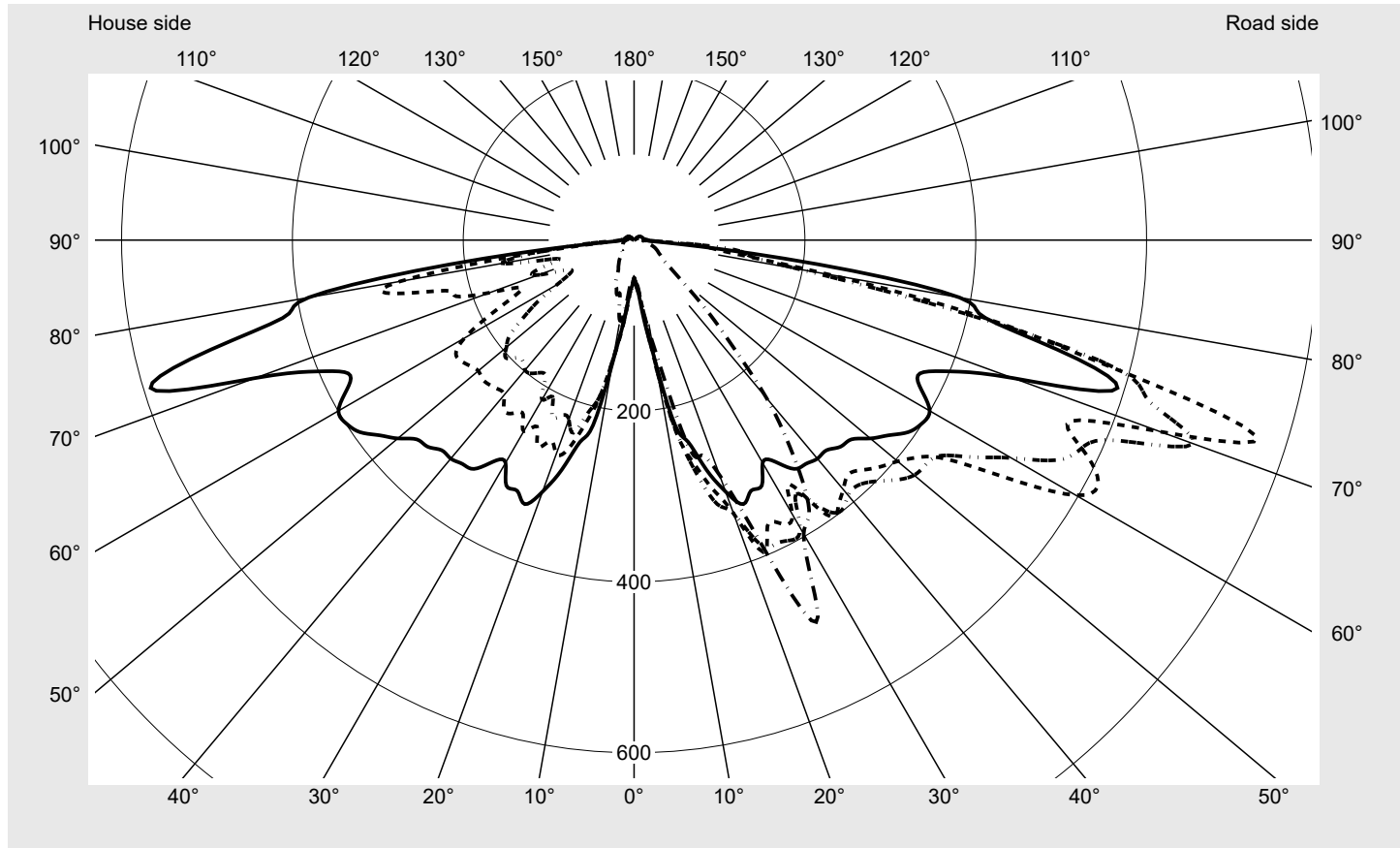
C180-0

C190-10

C195-15

C270-90

Imax: 764 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	96.1%
Eta 90° - 180°	3.9%

Luminous intensity class acc. to EN13201-2

Class:	---
Imax 70°	697.0
Imax 80°	386.9
Imax 90°	20.4
Imax >90°	12.9
Imax >95°	11.6

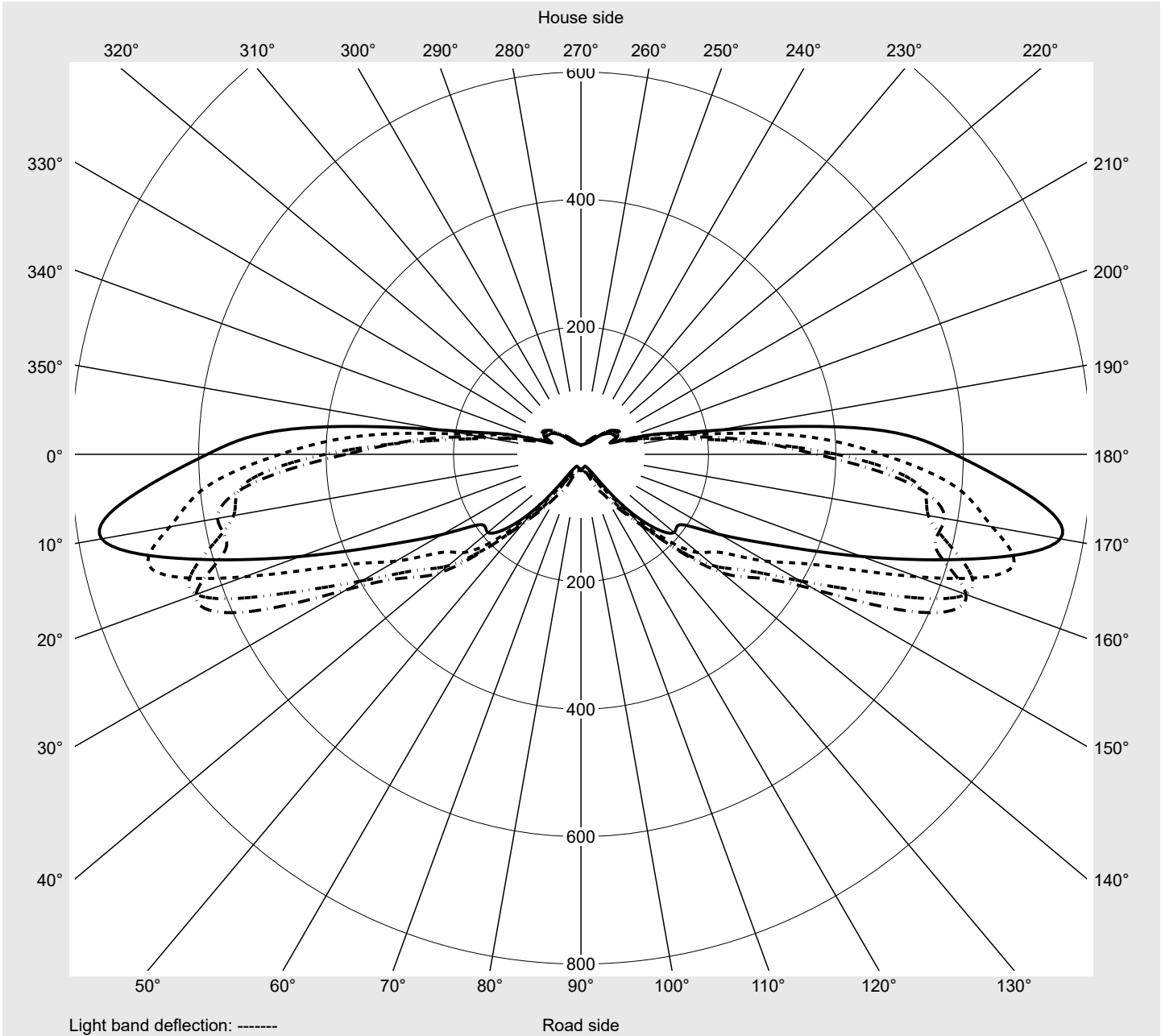
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

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Envelope curve in cd/klm **KMK 72.5°** **KMK 70°** **KMK 67.5°** **KMK 65°** **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°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2,5°	53.7	52.4	52.0	51.9	51.5	51.8	52.1	52.2	52.5	51.9	52.0	52.1	52.1
5,0°	64.8	67.5	63.5	59.8	55.4	52.6	52.8	54.4	56.2	57.6	58.1	57.8	58.1
7,5°	100.0	92.5	86.7	90.4	97.8	99.1	104.5	99.4	93.3	96.0	100.4	102.5	97.8
10,0°	146.6	155.5	153.1	157.3	156.2	145.3	141.0	146.1	145.9	147.6	148.1	143.4	138.6
12,5°	221.9	227.0	233.1	230.6	232.8	233.3	223.9	213.1	211.7	199.9	197.1	196.6	194.5
15,0°	244.5	250.6	270.5	282.9	262.8	282.7	289.1	289.2	270.5	267.5	259.7	254.9	248.1
17,5°	282.0	295.1	305.3	324.1	317.2	320.5	322.8	306.5	312.0	344.8	348.5	327.1	309.3
20,0°	313.3	322.4	340.6	340.4	341.1	359.5	357.6	377.7	374.1	370.3	347.3	357.3	362.4
22,5°	334.5	367.9	395.2	385.3	371.9	368.6	357.8	354.8	370.2	397.6	381.6	379.6	391.9
25,0°	323.8	349.7	369.4	392.2	394.1	368.9	375.8	357.3	362.5	383.6	376.2	370.1	389.5
27,5°	323.9	344.9	374.3	396.1	382.2	379.4	373.8	375.3	383.8	375.4	373.7	366.7	369.4
30,0°	301.0	338.7	370.3	388.7	379.6	365.1	361.5	359.1	355.5	361.1	345.6	350.1	337.4
32,5°	307.6	320.3	338.4	352.5	359.2	364.6	366.0	360.5	354.7	343.2	326.7	328.4	313.6
35,0°	326.9	361.8	391.8	383.2	376.7	369.2	367.7	359.8	346.2	340.5	301.1	292.4	272.2
37,5°	330.2	363.2	392.9	398.9	396.8	383.0	357.0	345.2	334.6	327.0	285.6	265.1	239.3
40,0°	333.9	353.4	381.0	389.8	390.9	386.8	379.1	354.5	319.6	302.2	262.5	238.1	223.5
42,5°	333.5	351.3	371.7	388.9	387.5	375.8	363.0	342.3	311.9	284.6	249.8	205.0	196.8
45,0°	341.9	362.2	380.2	399.3	390.3	376.6	351.8	329.8	296.3	260.9	228.4	183.0	172.5
47,5°	345.2	380.9	392.3	415.4	400.0	384.6	350.6	323.1	289.9	245.4	200.1	174.5	165.5
50,0°	361.1	400.1	402.8	428.0	411.7	407.1	367.7	330.4	292.7	225.1	175.6	165.5	157.1
52,5°	375.3	413.6	417.9	430.9	420.6	421.9	383.8	328.6	290.7	209.5	152.5	152.7	140.1
55,0°	391.8	436.8	446.7	439.6	431.7	417.6	383.3	326.6	284.7	205.0	149.8	141.2	123.9
57,5°	399.5	455.1	518.5	473.0	435.3	437.9	382.0	321.7	284.0	204.3	152.6	129.9	105.7
60,0°	399.6	474.6	597.3	509.9	484.4	492.4	393.4	327.5	283.7	204.4	157.3	117.0	92.5
62,5°	379.1	509.6	612.6	557.6	564.0	551.5	411.4	332.8	291.4	206.6	157.4	111.6	88.1
65,0°	369.2	516.4	579.2	577.5	643.0	586.4	425.1	338.3	289.1	208.9	142.3	104.8	74.5
67,5°	401.6	530.0	553.5	612.9	642.8	517.6	397.1	317.8	272.2	205.3	139.3	93.8	49.8
70,0°	472.1	590.9	655.3	697.0	561.8	411.1	335.3	268.7	239.8	189.3	123.3	75.3	41.1
72,5°	586.6	700.8	763.9	634.8	468.6	336.8	251.6	192.5	190.7	163.3	111.6	56.1	30.6
75,0°	537.4	513.2	585.8	589.1	391.1	256.2	181.6	141.2	139.5	123.5	84.5	50.0	24.4
77,5°	421.5	407.3	419.7	395.2	251.5	170.8	134.9	128.3	104.0	73.5	44.0	30.4	16.9
80,0°	386.9	304.0	230.0	197.1	163.1	125.9	109.2	96.0	69.2	51.7	35.5	24.7	15.2
82,5°	217.5	147.5	114.5	134.4	116.2	97.5	89.6	71.1	44.0	33.9	26.8	20.0	14.1
85,0°	53.7	54.6	77.4	107.7	86.2	64.7	65.0	51.1	35.9	29.0	22.0	17.6	13.4
87,5°	17.6	17.8	18.5	19.3	23.0	26.9	29.0	29.9	27.3	26.8	20.5	14.8	12.4
90,0°	15.0	15.2	15.5	15.6	16.2	18.3	20.1	20.4	19.5	18.5	16.9	13.5	12.2
92,5°	12.8	12.9	12.9	12.9	12.9	12.7	12.6	12.6	12.4	12.3	12.2	12.1	11.8
95,0°	12.0	12.1	12.2	12.2	12.1	11.9	11.8	11.6	11.6	11.4	11.3	11.1	10.8
97,5°	11.5	11.6	11.6	11.5	11.5	11.3	11.3	11.1	10.8	10.6	10.6	10.4	10.4
100,0°	11.2	11.3	11.3	11.3	11.2	11.1	10.8	10.6	10.6	10.4	10.4	10.1	10.1
102,5°	10.7	10.7	10.8	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.9
105,0°	10.4	10.5	10.5	10.5	10.5	10.4	10.2	10.1	10.0	9.9	9.8	9.8	9.8
107,5°	10.0	10.1	10.1	10.1	10.1	10.0	9.9	9.8	9.8	9.7	9.7	9.5	9.5
110,0°	9.8	9.8	9.9	9.9	9.9	9.9	9.7	9.7	9.5	9.5	9.5	9.4	9.4
112,5°	9.3	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.3	9.3	9.3	9.3	9.3

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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°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
2,5°	51.1	50.8	50.3	50.3	50.4	50.0	53.2	55.0	56.7	55.1	53.7	52.7	51.5
5,0°	58.7	58.3	58.3	57.9	57.0	57.0	65.5	67.2	69.8	72.1	72.2	71.8	70.5
7,5°	92.8	89.8	86.9	85.6	85.5	85.6	103.7	102.8	98.8	94.8	90.5	90.6	85.0
10,0°	135.6	130.4	133.2	128.9	121.5	118.0	139.5	141.9	141.0	133.7	125.9	127.3	123.3
12,5°	183.2	179.9	181.9	184.6	179.9	173.6	203.1	189.9	188.5	172.1	156.1	158.0	159.4
15,0°	247.1	245.4	248.5	248.7	251.3	255.2	236.9	224.2	209.9	185.7	179.2	168.7	158.6
17,5°	311.2	296.0	291.7	277.6	267.1	264.1	251.3	256.3	236.4	239.1	208.4	191.1	175.6
20,0°	368.3	359.2	332.5	318.3	305.1	292.7	286.0	266.2	223.4	199.9	183.0	165.0	141.5
22,5°	385.9	386.2	395.9	390.3	381.2	373.9	300.7	254.3	222.4	193.0	169.2	156.5	131.3
25,0°	389.6	400.2	432.9	478.3	495.5	491.2	299.6	266.8	227.2	176.8	147.6	131.7	131.6
27,5°	354.1	363.9	401.2	439.2	452.1	450.9	280.6	246.2	206.7	175.7	161.1	144.3	127.7
30,0°	329.5	336.2	368.2	391.6	398.7	397.2	283.3	258.3	215.6	177.2	152.1	136.6	116.2
32,5°	298.3	315.2	345.2	367.0	377.4	381.3	284.0	241.9	193.6	172.4	156.6	133.2	93.3
35,0°	274.4	294.3	318.2	331.1	338.3	343.4	294.4	247.4	189.4	170.0	157.3	113.8	75.0
37,5°	247.2	262.8	283.2	291.5	297.5	293.2	294.2	250.1	196.6	179.7	153.7	93.3	70.7
40,0°	229.6	233.6	240.2	241.5	243.0	241.0	310.3	236.7	198.6	180.8	123.5	74.2	71.9
42,5°	208.5	214.1	209.1	196.3	184.5	177.8	312.1	236.3	192.5	170.4	98.5	70.2	72.6
45,0°	173.6	177.4	168.1	151.8	140.0	133.6	320.6	239.4	194.7	145.3	72.1	70.0	72.6
47,5°	151.8	146.7	137.4	115.3	102.6	96.1	325.3	240.7	203.8	113.7	64.6	68.1	71.3
50,0°	134.1	118.9	105.1	87.1	75.9	69.3	324.9	238.1	195.1	83.9	63.3	65.3	67.7
52,5°	113.9	97.3	86.1	68.9	60.0	54.0	332.4	241.9	183.7	73.4	63.3	62.4	63.1
55,0°	95.2	78.4	69.7	54.6	48.3	43.5	335.9	247.0	158.3	74.9	67.1	61.3	60.8
57,5°	82.1	64.5	54.1	42.8	38.9	38.9	339.8	247.3	133.4	77.1	71.2	61.0	59.2
60,0°	71.2	50.5	43.9	35.1	35.1	35.8	341.4	229.2	104.0	74.0	71.1	65.5	63.2
62,5°	61.9	41.0	33.2	31.1	32.0	32.6	309.5	191.0	84.5	70.6	66.3	69.2	66.3
65,0°	59.2	38.6	29.5	28.3	29.7	30.5	259.1	154.0	81.9	68.5	65.1	70.0	65.5
67,5°	37.8	30.5	25.7	25.8	27.3	28.2	241.9	144.6	95.0	64.2	62.8	66.9	60.3
70,0°	27.7	25.7	23.2	23.6	25.4	25.8	339.5	180.0	119.2	61.5	61.7	64.8	58.1
72,5°	23.5	19.8	20.2	21.5	22.7	22.8	455.6	218.5	122.7	53.9	59.1	59.7	56.9
75,0°	17.7	17.7	18.4	19.1	19.3	19.3	472.8	228.5	94.1	51.5	54.4	55.1	54.9
77,5°	15.7	16.1	16.4	16.3	15.2	14.4	407.8	288.6	106.6	45.6	50.4	52.7	50.8
80,0°	14.4	14.7	14.3	13.7	13.1	13.0	188.8	278.3	156.2	52.7	47.9	50.4	50.0
82,5°	13.6	13.5	12.8	12.4	12.2	12.1	134.0	132.0	120.2	47.7	45.5	50.8	50.7
85,0°	12.8	12.2	11.9	11.6	11.5	11.4	78.4	45.4	68.8	41.1	41.5	46.0	42.9
87,5°	11.9	11.2	10.9	10.8	10.7	10.7	18.6	22.1	25.2	26.8	27.5	29.1	26.5
90,0°	11.5	11.1	10.6	10.5	10.5	10.5	14.4	16.4	18.3	18.4	19.2	18.4	16.8
92,5°	11.5	10.9	10.6	10.2	10.2	10.2	12.7	12.4	12.3	12.1	11.8	11.5	11.4
95,0°	10.6	10.4	10.1	10.1	10.1	10.0	11.9	11.8	11.6	11.4	11.2	10.9	10.7
97,5°	10.2	10.1	10.0	10.0	10.0	10.0	11.5	11.3	11.2	10.9	10.7	10.5	10.2
100,0°	9.9	9.9	9.9	9.8	9.8	9.8	11.1	10.9	10.7	10.5	10.2	10.0	9.9
102,5°	9.8	9.8	9.8	9.7	9.5	9.5	10.6	10.5	10.2	10.0	9.9	9.7	9.4
105,0°	9.7	9.5	9.5	9.5	9.5	9.5	10.2	10.0	10.0	9.8	9.5	9.3	9.1
107,5°	9.5	9.5	9.5	9.4	9.4	9.1	9.9	9.8	9.5	9.3	9.1	9.1	8.8
110,0°	9.3	9.3	9.3	9.3	9.3	8.8	9.5	9.5	9.3	9.1	8.8	8.6	8.5
112,5°	9.3	9.2	9.2	9.1	9.0	7.9	9.3	9.1	9.1	8.8	8.6	8.4	8.3

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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°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	0.1	0.1
2,5°	51.1	51.2	51.4	52.0	52.2	52.6	53.5	54.0	54.2	53.5	53.0	0.6	0.7
5,0°	71.0	68.3	65.7	62.2	62.5	60.6	57.4	56.8	55.5	53.5	53.3	1.5	2.2
7,5°	83.4	85.2	77.8	79.2	79.2	80.5	79.8	81.3	76.8	79.0	83.5	3.2	5.4
10,0°	120.5	126.8	111.3	101.1	96.2	94.5	95.2	96.2	92.1	92.8	95.6	6.1	11.5
12,5°	132.9	128.2	119.8	113.8	102.3	88.5	81.1	83.9	83.9	79.6	79.8	10.0	21.6
15,0°	155.9	141.8	123.7	109.9	104.9	81.9	74.9	73.2	73.1	67.0	64.7	14.3	35.8
17,5°	143.3	131.0	119.6	112.1	107.7	91.8	79.0	70.7	74.5	68.4	66.8	19.0	54.8
20,0°	132.3	123.2	116.9	103.1	88.8	79.9	70.7	63.6	59.9	59.7	60.3	22.9	77.7
22,5°	114.4	109.5	100.4	89.3	76.7	67.7	59.7	52.9	53.5	57.5	57.2	26.9	104.6
25,0°	114.6	97.5	79.6	65.1	58.4	56.5	54.3	47.6	47.1	48.7	48.6	30.0	134.6
27,5°	107.3	78.8	64.6	57.1	54.1	52.6	49.3	43.6	42.0	42.1	40.3	31.7	166.3
30,0°	85.0	63.9	57.7	54.9	51.7	48.7	45.0	38.3	37.6	37.8	36.8	32.4	198.7
32,5°	65.6	59.3	57.2	55.5	51.9	48.5	43.7	36.4	35.1	34.8	33.5	33.2	231.9
35,0°	63.8	59.1	55.7	54.4	52.2	47.2	42.1	35.3	32.2	31.6	30.7	34.7	266.6
37,5°	69.1	65.1	59.1	53.9	49.1	44.8	39.1	33.7	27.9	28.6	27.7	35.6	302.2
40,0°	71.5	67.1	61.7	56.3	49.3	42.1	35.8	30.5	24.5	25.2	24.2	35.7	337.9
42,5°	72.0	67.2	63.1	55.1	47.0	39.8	33.3	27.6	22.2	22.7	21.6	35.4	373.2
45,0°	71.1	67.4	63.8	54.4	44.1	35.9	29.4	25.0	20.8	20.7	19.5	35.0	408.3
47,5°	70.3	66.4	63.4	54.4	42.9	33.7	27.3	23.4	19.7	19.4	18.6	35.3	443.6
50,0°	67.6	64.7	62.4	54.9	42.7	32.7	26.3	22.5	19.8	19.5	18.8	35.8	479.4
52,5°	63.1	62.2	60.0	52.5	41.2	31.9	25.5	22.3	20.5	20.0	19.3	36.4	515.8
55,0°	59.0	58.9	57.0	48.9	38.4	30.0	24.7	21.4	19.9	19.4	18.8	37.0	552.8
57,5°	55.8	54.2	53.4	46.0	35.8	28.3	23.3	20.2	18.5	18.1	17.7	38.2	591.1
60,0°	54.1	49.3	48.4	40.7	32.5	26.2	22.0	19.3	17.7	17.2	16.5	40.0	631.1
62,5°	55.4	46.3	42.9	36.3	29.3	24.3	20.8	18.6	17.0	16.4	15.8	41.6	672.7
65,0°	57.2	45.0	37.8	32.3	26.2	22.7	19.8	17.9	16.5	15.7	15.1	42.2	714.9
67,5°	55.4	43.6	34.2	28.7	23.8	20.9	18.7	17.1	15.9	15.0	14.4	41.6	756.5
70,0°	52.5	41.9	31.3	25.8	21.8	19.4	17.9	16.6	15.8	14.8	14.0	42.6	799.1
72,5°	49.9	41.2	29.4	23.2	20.7	18.5	17.2	16.1	15.6	14.8	13.7	42.8	841.8
75,0°	49.4	39.0	27.8	22.2	19.9	17.8	16.4	15.4	15.0	14.2	13.0	36.6	878.4
77,5°	45.6	36.6	26.5	21.4	19.0	16.6	15.5	14.7	14.3	13.7	12.8	29.1	907.6
80,0°	44.1	35.0	23.3	20.2	17.5	15.7	14.8	14.0	13.4	12.9	12.1	21.9	929.5
82,5°	40.6	31.1	20.0	17.7	16.3	15.5	14.4	13.5	12.7	12.4	11.6	14.9	944.4
85,0°	35.4	23.5	17.2	15.1	15.2	14.5	13.5	12.6	11.9	11.9	10.9	9.7	954.2
87,5°	19.4	14.4	12.7	11.8	11.4	11.2	10.9	10.8	10.5	10.6	9.8	4.9	959.1
90,0°	13.8	13.1	12.0	11.2	11.1	10.9	10.6	10.5	10.4	10.4	9.3	3.9	963.1
92,5°	11.3	11.3	11.2	10.8	10.8	10.7	10.6	10.2	10.1	10.1	9.1	3.2	966.2
95,0°	10.5	10.4	10.2	9.9	9.7	9.4	9.2	9.1	8.8	8.6	7.7	2.9	969.2
97,5°	10.1	9.9	9.7	9.4	9.2	9.0	8.7	8.6	8.4	8.1	7.4	2.8	972.0
100,0°	9.7	9.4	9.2	9.0	8.7	8.5	8.4	8.1	7.9	7.7	7.2	2.7	974.7
102,5°	9.2	9.0	8.7	8.5	8.4	8.1	7.9	7.9	7.7	7.4	7.0	2.6	977.2
105,0°	8.8	8.6	8.4	8.3	8.0	7.8	7.7	7.4	7.2	7.0	6.7	2.5	979.7
107,5°	8.6	8.4	8.1	7.9	7.7	7.4	7.3	7.2	7.0	6.7	6.0	2.4	982.0
110,0°	8.4	8.1	7.9	7.7	7.4	7.2	7.1	7.0	6.7	6.5	5.4	2.3	984.3
112,5°	8.0	7.8	7.7	7.4	7.2	7.0	6.7	6.7	6.5	6.2	4.4	2.2	986.5

Photometric test report

Family MUSHROOM LUMINAIRE LED	Order number: 5XA5235LF14HP EAN: 4058352833223	LP number 59053_11
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												
115,0°	9.1	9.2	9.3	9.3	9.3	9.3	9.3	9.2	9.1	9.1	9.1	9.1	9.1
117,5°	8.8	8.8	9.1	9.1	9.1	9.1	9.0	8.8	8.8	8.8	8.8	8.8	8.8
120,0°	8.6	8.6	8.6	8.7	8.7	8.8	8.7	8.6	8.6	8.6	8.6	8.6	8.6
122,5°	8.1	8.1	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
125,0°	7.4	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.8	7.8
127,5°	6.4	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
130,0°	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
132,5°	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6
135,0°	3.1	3.1	3.3	3.3	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0
137,5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
140,0°	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.1
142,5°	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.6
145,0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.3	1.3	1.3
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 MUSHROOM LUMINAIRE LED	Order number: 5XA5235LF14HP EAN: 4058352833223	LP number 59053_11
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°	9.1	9.1	9.1	9.1	8.0	5.1	9.1	8.8	8.8	8.6	8.4	8.1	7.9
117,5°	8.8	8.8	8.8	8.8	7.1	3.7	8.6	8.6	8.4	8.1	8.1	7.9	7.7
120,0°	8.6	8.6	8.6	8.6	6.4	3.3	8.4	8.3	8.1	7.9	7.8	7.7	7.4
122,5°	8.4	8.4	8.4	8.4	5.5	2.6	8.0	7.8	7.7	7.6	7.4	7.2	7.0
125,0°	7.8	7.8	7.8	7.6	4.9	2.6	7.3	7.1	7.1	6.9	6.7	6.6	6.4
127,5°	6.7	6.7	6.7	6.5	4.2	2.3	6.3	6.0	6.0	5.8	5.8	5.6	5.4
130,0°	5.2	5.2	5.2	4.9	3.3	1.9	4.8	4.8	4.5	4.5	4.4	4.2	4.2
132,5°	3.6	3.6	3.6	3.3	2.2	1.6	3.7	3.5	3.5	3.4	3.3	3.1	3.1
135,0°	3.0	3.0	3.0	2.7	1.9	1.4	3.0	3.0	3.0	2.9	2.9	2.8	2.7
137,5°	2.6	2.6	2.4	2.2	1.5	1.4	2.7	2.7	2.6	2.6	2.6	2.6	2.4
140,0°	2.1	2.1	2.1	1.7	1.3	1.2	2.3	2.2	2.2	2.2	2.2	2.2	2.1
142,5°	1.6	1.6	1.6	1.4	1.0	0.9	2.0	2.0	1.9	1.9	1.9	1.7	1.7
145,0°	1.2	1.2	1.2	1.0	0.8	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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 MUSHROOM LUMINAIRE LED	Order number: 5XA5235LF14HP EAN: 4058352833223	LP number 59053_11
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°	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.5	6.3	5.2	2.6	2.0	988.5
117,5°	7.4	7.2	7.0	6.7	6.6	6.5	6.3	6.2	5.9	4.7	2.3	1.9	990.4
120,0°	7.2	7.0	6.7	6.5	6.4	6.3	6.0	5.9	5.7	4.1	2.1	1.8	992.2
122,5°	6.7	6.6	6.4	6.3	6.0	5.8	5.7	5.6	5.5	3.6	1.9	1.7	993.9
125,0°	6.2	5.9	5.8	5.6	5.5	5.2	5.1	5.0	4.8	3.3	1.9	1.5	995.4
127,5°	5.2	5.0	4.9	4.8	4.5	4.3	4.3	4.1	3.8	2.7	1.6	1.2	996.6
130,0°	4.0	3.8	3.6	3.5	3.4	3.3	3.1	3.0	2.8	2.1	1.4	0.9	997.5
132,5°	2.9	2.9	2.8	2.7	2.6	2.4	2.3	2.3	2.0	1.6	1.4	0.6	998.2
135,0°	2.7	2.6	2.4	2.3	2.3	2.3	2.2	2.1	1.9	1.6	1.4	0.5	998.7
137,5°	2.3	2.3	2.2	2.1	2.1	2.1	2.1	1.9	1.7	1.5	1.4	0.4	999.1
140,0°	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.7	1.6	1.4	1.2	0.4	999.5
142,5°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.4	1.4	1.2	0.3	999.8
145,0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.2	0.2	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 MUSHROOM LUMINAIRE LED	Order number: 5XA5235LF14HP EAN: 4058352833223	LP number 59053_11
Dimming levels table		environmental temperature: 25°C
siteco		

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	4960	33.6	35.9	34.8
95	241	252	4706	31.4	33.5	32.4
90	229	250	4472	29.4	31.4	30.4
85	216	248	4218	27.4	29.2	28.3
80	203	246	3964	25.5	27.1	26.3
75	190	243	3710	23.6	25.2	24.4
70	178	241	3476	21.9	23.3	22.6
65	165	238	3222	20.2	21.5	20.8
60	152	235	2968	18.5	19.6	19.0
55	140	232	2734	16.9	18.0	17.4
50	127	229	2480	15.3	16.2	15.8
45	114	225	2226	13.7	14.5	14.1
40	102	221	1992	12.3	13.0	12.6
35	89	216	1738	10.8	11.4	11.1
30	76	210	1484	9.3	9.8	9.6
25	63	203	1230	7.8	8.2	8.0
20	51	195	996	6.6	6.9	6.8
15	38	184	742	5.2	5.5	5.4
11	28	173	547	4.1	4.4	4.2