

Photometric test report

Family
MUSHROOM LUMINAIRE LED

Order number: **5XA5235FF14HP**
EAN: **4058352834398**

LP number
59053_10



Version post-top- or mounting to wall arm
Optic asymmetric, extremely wide distribution (P1.0a)
Cover cover transparent, PMMA
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 4740 lm
Power consumption = 33.6 W
Luminous efficacy = 141.1 lm/W

serial
documentation
24.05.2022

siteco

Luminous intensity in cd/klm

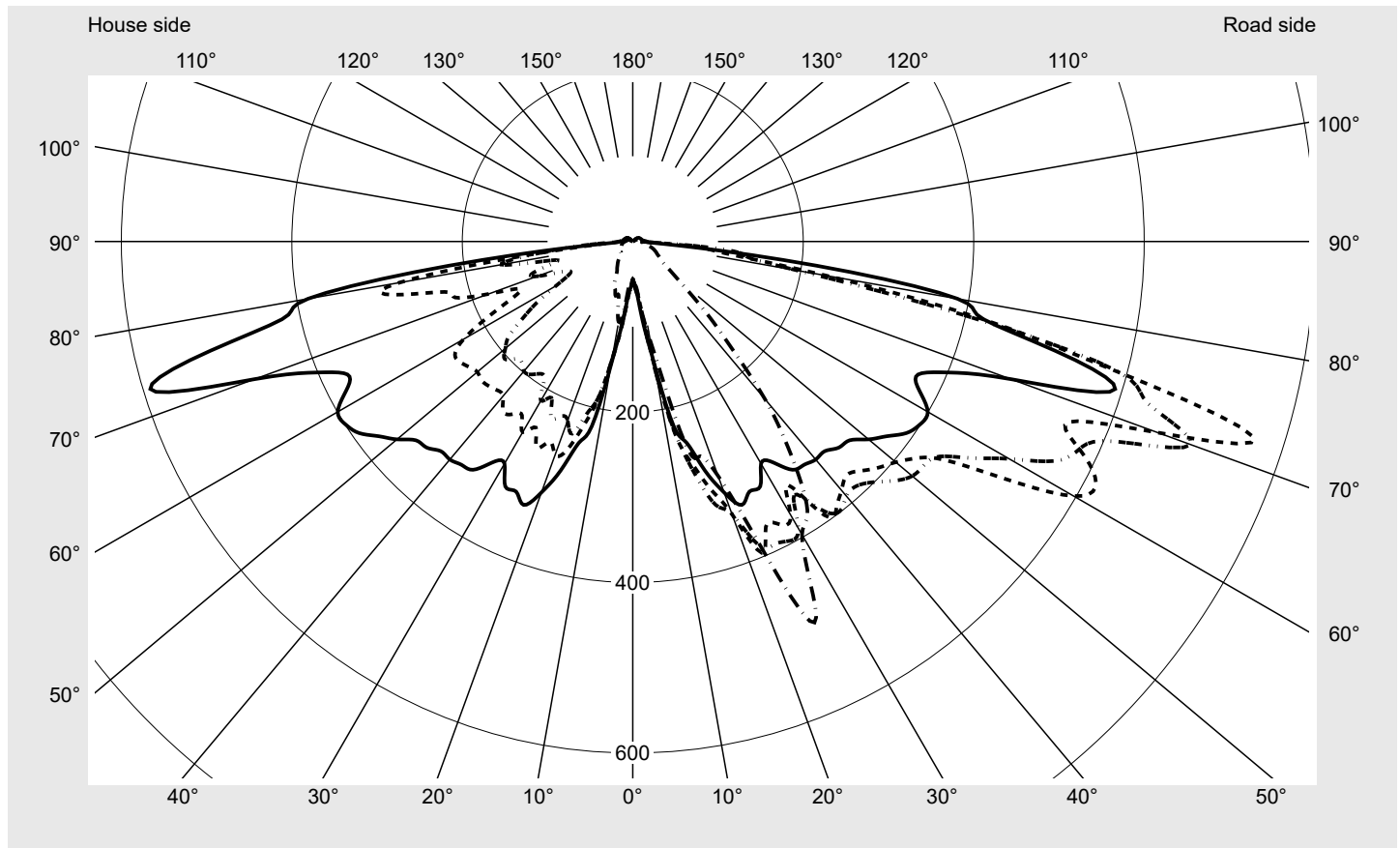
C180-0

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

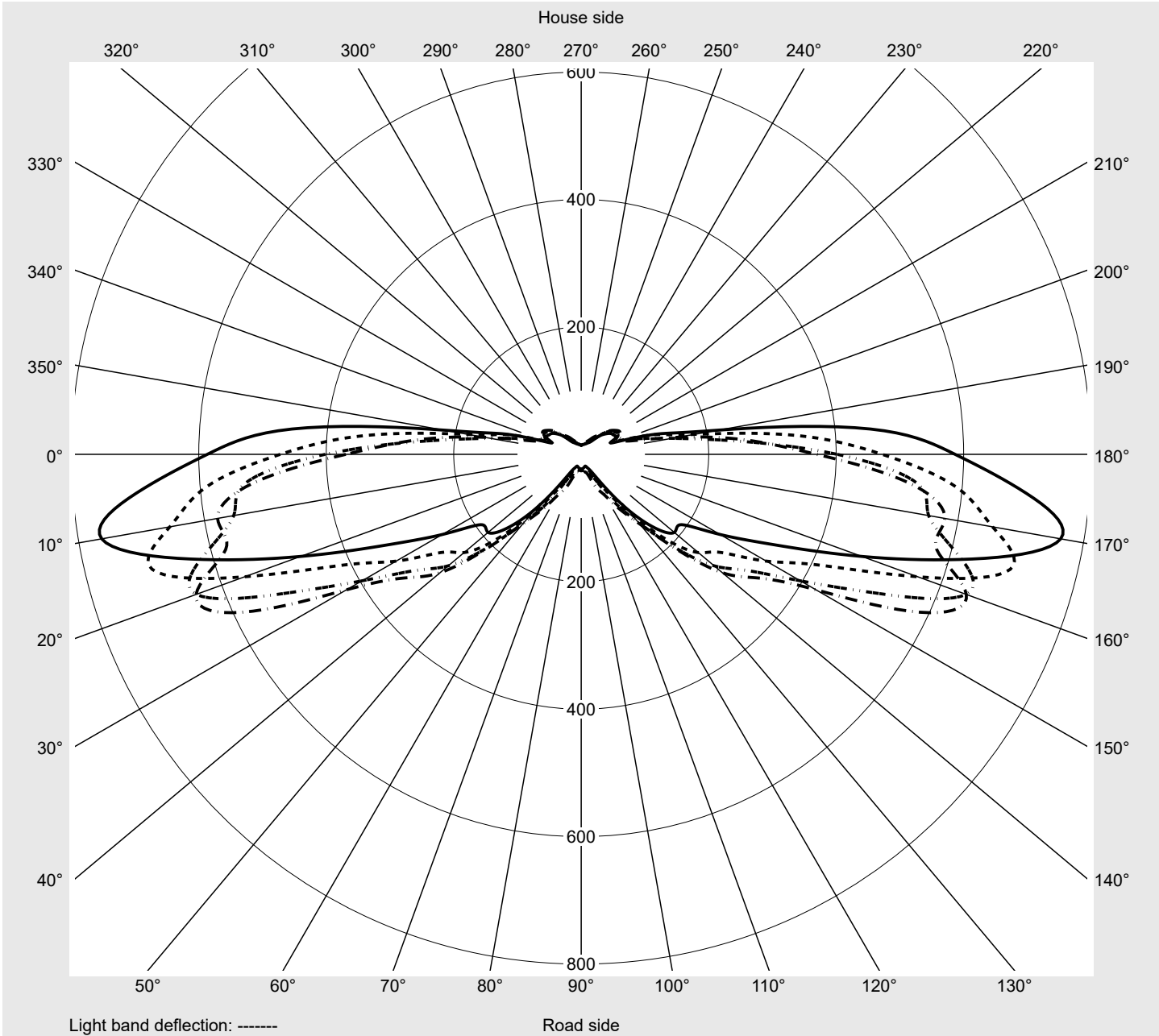
Measurement conditions

DIN EN 13032 and DIN 5032

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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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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°	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: 5XA5235FF14HP EAN: 4058352834398	LP number 59053_10
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: 5XA5235FF14HP EAN: 4058352834398	LP number 59053_10
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: 5XA5235FF14HP EAN: 4058352834398	LP number 59053_10
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: 5XA5235FF14HP EAN: 4058352834398	LP number 59053_10
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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	4740	33.6	35.9	34.8
95	241	252	4497	31.3	33.5	32.4
90	229	250	4273	29.4	31.4	30.4
85	216	248	4031	27.3	29.2	28.2
80	203	246	3788	25.4	27.1	26.2
75	190	243	3546	23.5	25.1	24.3
70	178	241	3322	21.9	23.3	22.6
65	165	238	3079	20.1	21.4	20.8
60	152	235	2837	18.4	19.5	19.0
55	140	232	2613	16.8	17.9	17.4
50	127	229	2370	15.2	16.2	15.7
45	114	225	2127	13.7	14.5	14.1
40	102	221	1903	12.2	13.0	12.6
35	89	216	1661	10.7	11.3	11.0
30	76	210	1418	9.2	9.7	9.4
25	63	203	1176	7.8	8.2	8.0
20	51	195	952	6.6	6.9	6.8
15	38	184	709	5.2	5.5	5.4
11	28	173	523	4.1	4.4	4.2