

## Photometric test report

Family  
**MUSHROOM LUMINAIRE LED**

Order number: **5XA5235NF14HP**  
EAN: **4058352833308**

LP number  
**59053\_13**



**Version** post-top- or mounting to wall arm  
**Optic** asymmetric, extremely wide distribution (P1.0a)  
**Cover** cover transparent, PMMA  
**Lamps** LED 2700 K | CRI ≥ 70  
**Controlgear** ECG SITECO iQ  
**Rated values** Net luminous flux = 4250 lm  
Power consumption = 33.6 W  
Luminous efficacy = 126.5 lm/W

serial  
documentation  
04.11.2022

siteco

Luminous intensity in cd/klm

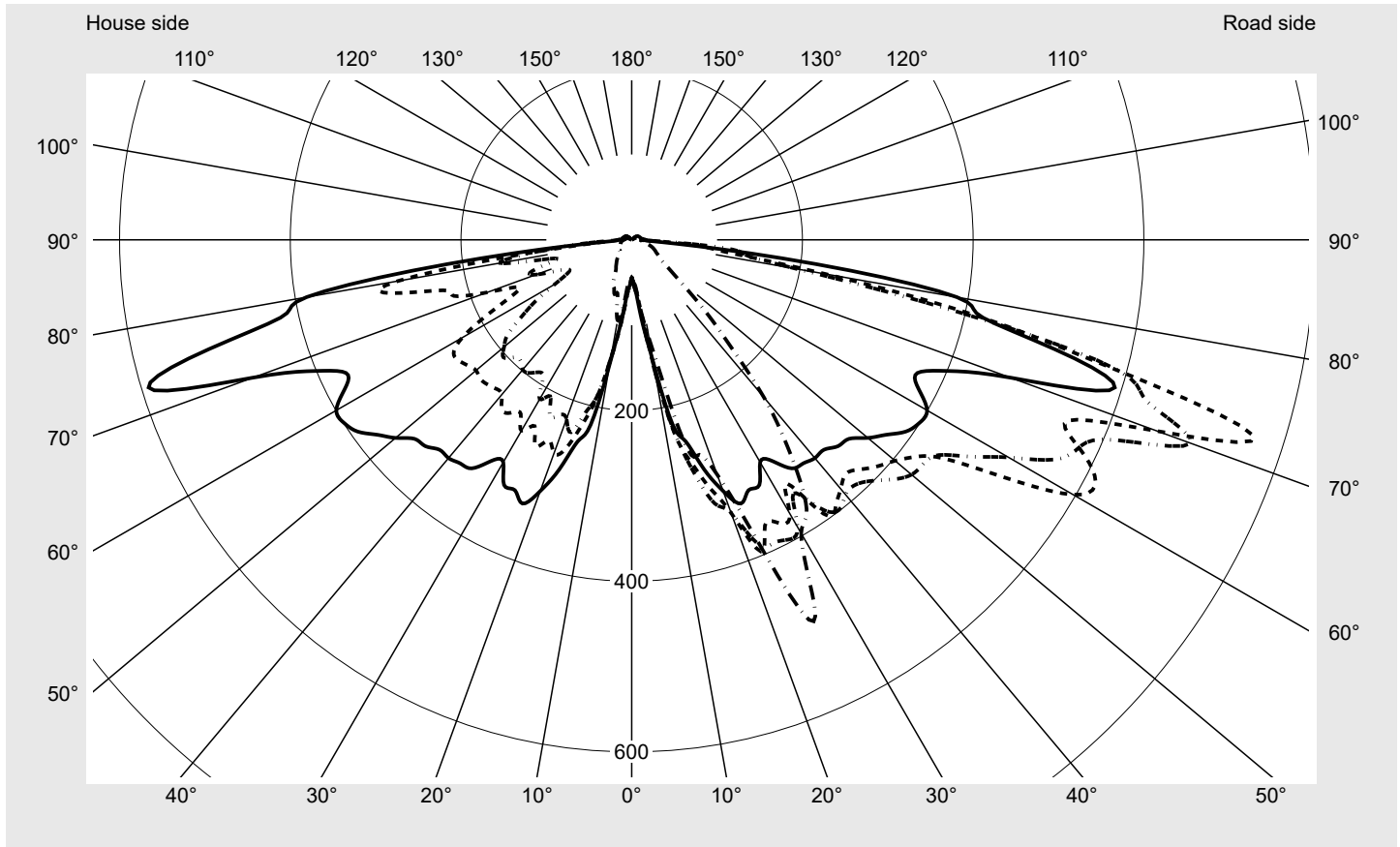
C180-0

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

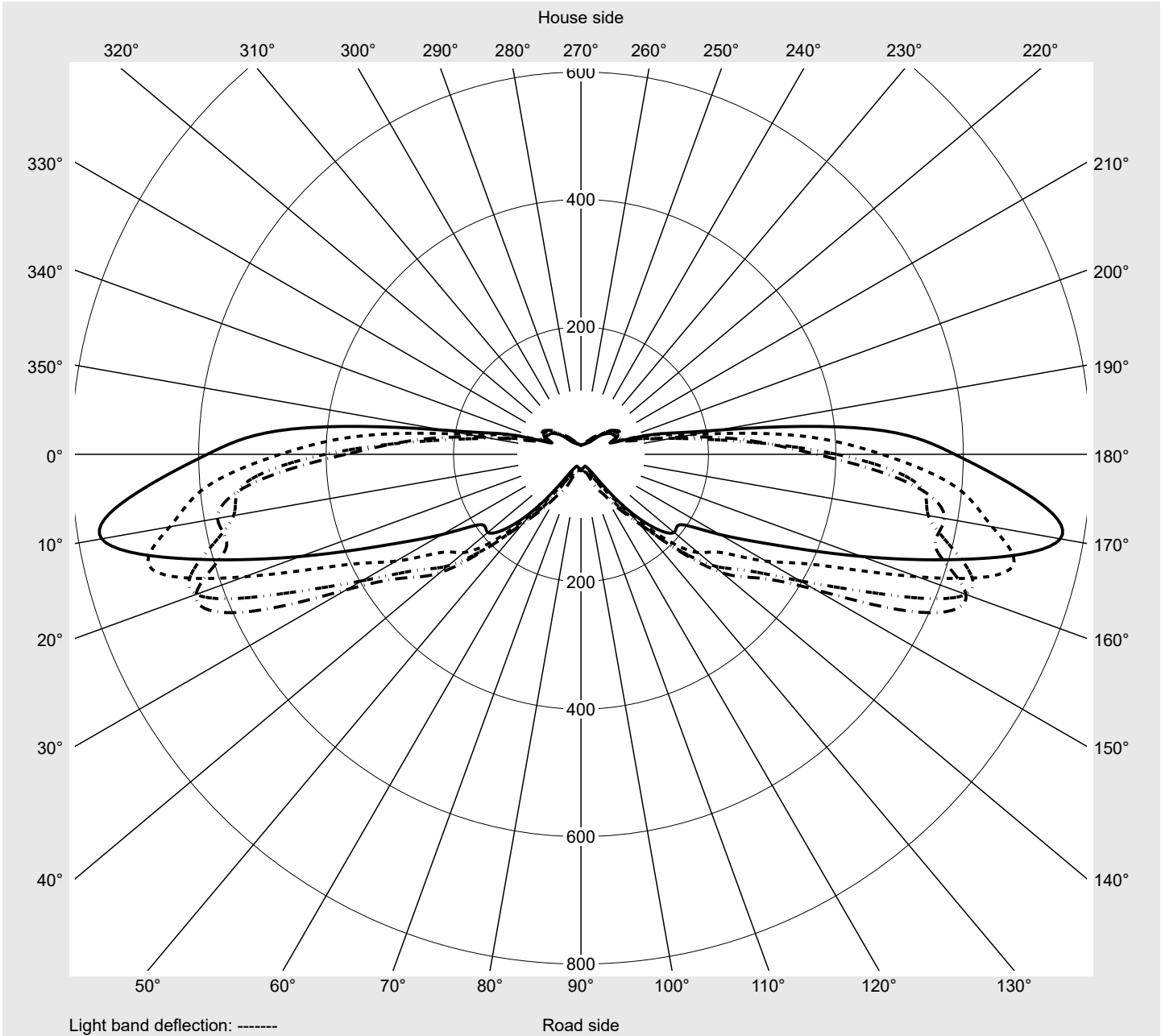
### Measurement conditions

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
		<b>siteco</b>

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°
$\gamma$	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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

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°
$\gamma$	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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

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

<b>Family</b> <b>MUSHROOM LUMINAIRE LED</b>	<b>Order number: 5XA5235NF14HP</b> <b>EAN: 4058352833308</b>	<b>LP number</b> <b>59053_13</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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

<b>Family</b> <b>MUSHROOM LUMINAIRE LED</b>	<b>Order number: 5XA5235NF14HP</b> <b>EAN: 4058352833308</b>	<b>LP number</b> <b>59053_13</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°
$\gamma$	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

<b>Family</b> <b>MUSHROOM LUMINAIRE LED</b>	<b>Order number: 5XA5235NF14HP</b> <b>EAN: 4058352833308</b>	<b>LP number</b> <b>59053_13</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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
$\gamma$	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

<b>Family</b> <b>MUSHROOM LUMINAIRE LED</b>	<b>Order number: 5XA5235NF14HP</b> <b>EAN: 4058352833308</b>	<b>LP number</b> <b>59053_13</b>
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
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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	4250	33.6	35.9	34.8
95	241	252	4032	31.3	33.5	32.4
90	229	250	3832	29.4	31.4	30.4
85	216	248	3614	27.3	29.2	28.2
80	203	246	3397	25.4	27.1	26.2
75	190	243	3179	23.5	25.1	24.3
70	178	241	2978	21.9	23.3	22.6
65	165	238	2761	20.1	21.4	20.8
60	152	235	2543	18.4	19.5	19.0
55	140	232	2343	16.8	17.9	17.4
50	127	229	2125	15.2	16.2	15.7
45	114	225	1907	13.6	14.5	14.0
40	102	221	1707	12.2	13.0	12.6
35	89	216	1489	10.7	11.3	11.0
30	76	210	1272	9.2	9.7	9.4
25	63	203	1054	7.8	8.2	8.0
20	51	195	853	6.6	6.9	6.8
15	38	184	636	5.2	5.5	5.4
11	28	173	469	4.1	4.4	4.2