

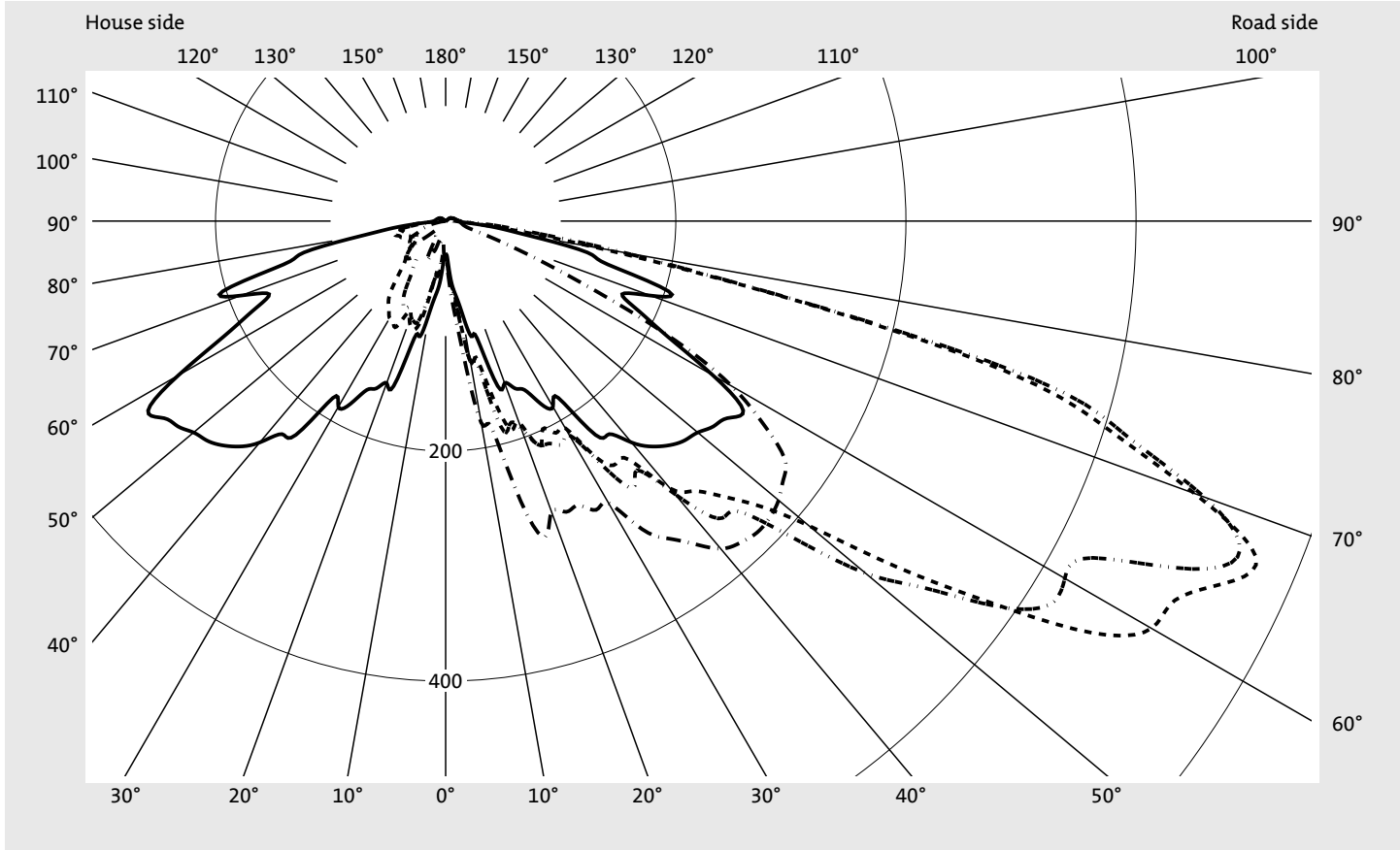


Photometric test report

Family MUSHROOM LUMINAIRE LED	Order number: 5XA5233EB14H + 5XA54000XBS EAN: 4058352436141 + 4050737971445	LP number 59054_1
	Version post-top- or mounting to wall arm, shielding on building side Optic asymmetric, wide distribution (ST1.2a) Cover cover transparent, PMMA Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Plus Rated values Net luminous flux = 1540 lm Power consumption = 13.5 W Luminous efficacy = 114.1 lm/W	serial documentation 03.09.2020
		

Luminous intensity in cd/klm **C180-0** **C205-25** **C210-30** **C270-90** **Imax: 762 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	97.4%
Eta 90° - 180°	2.6%

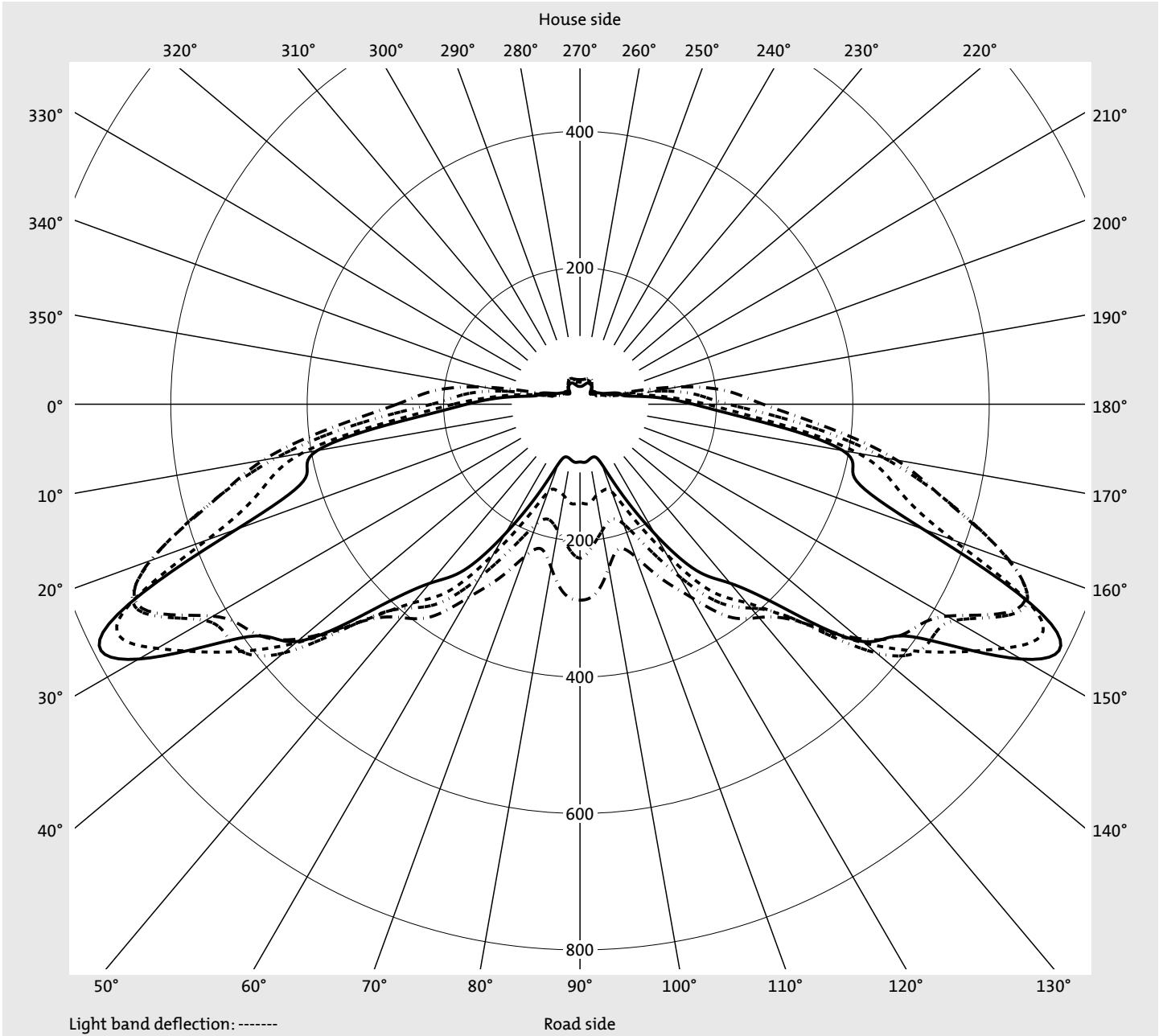
Luminous intensity class acc. to EN13201-2	
Class:	G1
Imax 70°	701.8
Imax 80°	155.9
Imax 90°	12.0
Imax >90°	11.5
Imax >95°	9.4

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		

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°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2,5°	31.3	30.8	32.9	35.5	37.9	39.7	40.2	40.2	39.4	39.2	39.7	40.0	40.0
5,0°	50.9	51.5	58.5	60.1	61.6	56.7	55.1	53.0	52.0	54.3	58.2	61.9	61.6
7,5°	64.2	69.7	71.0	69.5	66.3	72.3	78.4	86.2	89.3	95.1	95.3	96.4	94.8
10,0°	80.2	86.7	92.7	100.0	114.4	124.8	123.8	115.2	111.8	118.3	123.8	134.5	140.0
12,5°	102.6	104.5	115.4	120.4	116.7	121.4	127.2	134.0	144.2	157.8	170.8	172.6	180.5
15,0°	105.5	124.1	166.6	173.2	150.2	159.3	184.7	205.8	217.0	200.1	198.0	195.9	204.2
17,5°	150.4	130.8	153.6	172.9	173.4	190.4	185.2	187.3	196.4	199.8	210.2	212.6	222.3
20,0°	149.9	178.1	189.1	187.3	191.4	186.2	191.7	193.0	193.0	205.0	208.2	216.3	214.2
22,5°	157.5	174.2	182.0	192.7	200.6	212.1	210.5	207.4	196.9	193.0	206.6	223.0	233.0
25,0°	161.9	168.5	186.7	196.4	193.3	199.5	213.4	217.6	207.9	200.1	203.5	217.3	241.6
27,5°	179.2	178.9	189.1	216.5	205.8	207.6	218.6	240.3	246.8	240.8	239.8	241.1	262.0
30,0°	186.5	225.1	215.7	216.8	213.9	207.9	214.9	223.6	246.3	262.7	261.2	258.6	277.4
32,5°	182.3	194.3	192.7	210.8	224.4	243.7	249.2	263.8	272.4	295.4	309.8	310.3	307.9
35,0°	227.0	242.4	237.7	243.9	242.4	257.8	283.4	291.7	294.6	304.5	332.5	346.8	332.0
37,5°	233.5	251.5	256.5	264.3	266.4	261.4	273.2	316.8	335.9	332.7	346.3	374.3	369.3
40,0°	251.3	251.0	255.7	269.8	295.4	303.5	309.8	333.3	351.5	377.4	369.3	382.9	395.7
42,5°	265.9	259.3	278.9	283.1	309.0	318.4	350.8	365.9	365.4	397.8	403.5	394.1	409.0
45,0°	275.5	277.6	313.7	318.4	335.9	338.0	356.2	401.2	408.2	409.3	423.9	419.4	421.3
47,5°	282.1	289.9	357.0	373.7	393.3	365.1	404.8	426.5	436.4	427.5	438.3	440.9	428.3
50,0°	286.0	295.7	408.0	404.0	470.6	412.1	476.4	484.2	437.5	428.6	448.2	444.8	423.1
52,5°	293.3	306.6	422.3	410.3	515.3	493.9	523.7	537.2	465.4	432.5	453.1	453.4	423.9
55,0°	298.8	327.8	411.9	457.3	560.5	578.8	583.7	562.8	502.8	445.8	454.2	445.6	401.7
57,5°	306.6	363.3	445.8	511.1	637.3	666.5	621.3	564.4	524.7	452.6	434.1	418.1	370.6
60,0°	268.2	356.2	471.4	559.7	670.4	708.3	621.3	584.3	534.6	449.5	408.2	380.3	327.3
62,5°	217.6	325.2	452.1	561.8	668.9	714.3	634.1	618.5	567.5	446.6	390.2	354.4	291.7
65,0°	185.4	275.5	414.2	483.2	582.4	745.9	715.9	633.4	544.6	448.4	380.0	333.8	254.4
67,5°	166.1	251.8	391.2	416.6	535.2	762.1	747.2	594.2	541.2	422.6	342.7	297.5	219.4
70,0°	189.4	283.6	418.1	442.2	495.7	692.6	701.8	574.1	488.4	388.4	319.9	264.0	178.6
72,5°	203.2	322.0	415.0	440.3	492.1	604.9	620.0	502.0	384.7	322.0	258.8	215.7	143.6
75,0°	146.0	292.8	367.5	379.0	446.9	503.3	526.8	370.6	266.4	211.3	208.7	188.3	124.6
77,5°	126.1	205.0	232.4	271.9	299.3	289.9	294.9	206.6	164.3	149.7	152.0	147.0	106.3
80,0°	75.5	88.5	101.6	139.5	142.1	135.8	155.9	145.5	115.7	82.0	63.7	69.0	46.5
82,5°	46.2	49.4	51.2	71.0	76.8	56.9	77.3	99.0	78.9	48.8	34.5	24.3	17.0
85,0°	21.9	23.5	23.2	25.3	20.6	26.6	42.6	49.6	30.3	23.8	15.9	15.1	14.1
87,5°	11.8	12.0	12.3	12.5	12.8	13.1	13.6	13.3	13.3	13.1	13.1	13.1	12.8
90,0°	10.4	11.0	11.0	11.5	11.5	11.8	12.0	12.0	12.0	12.0	12.0	11.5	11.0
92,5°	9.4	9.9	10.2	10.4	10.4	11.0	11.2	11.5	11.5	11.0	10.4	10.4	10.4
95,0°	8.9	9.1	9.4	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.7
97,5°	8.6	8.6	8.9	9.1	9.1	9.1	9.4	9.4	9.4	9.4	9.4	9.4	9.1
100,0°	8.1	8.4	8.4	8.6	8.6	8.6	8.9	8.6	8.6	8.9	8.9	8.6	8.6
102,5°	7.8	8.1	8.1	8.1	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4
105,0°	7.3	7.6	7.6	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
107,5°	6.8	7.1	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
110,0°	6.8	6.8	6.8	6.8	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
112,5°	6.3	6.3	6.5	6.5	6.5	6.5	6.8	6.8	6.8	6.8	6.8	6.8	6.8

Photometric test report

Family MUSHROOM LUMINAIRE LED	Order number: 5XA5233EB14H + 5XA54000XBS EAN: 4058352436141 + 4050737971445	LP number 59054_1
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°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2,5°	40.2	41.5	43.4	44.1	44.9	44.9	29.3	28.7	28.5	28.2	28.5	28.5	27.9
5,0°	65.8	70.3	71.6	70.0	71.3	73.7	47.3	40.0	36.0	35.8	29.8	27.9	29.3
7,5°	99.5	106.0	107.3	110.7	112.3	116.0	50.7	50.1	54.8	53.5	52.5	44.4	38.7
10,0°	151.7	157.8	168.7	176.6	182.0	178.1	80.2	62.2	51.7	48.6	46.0	48.6	50.7
12,5°	182.3	178.1	184.7	186.7	188.6	183.9	97.7	97.4	95.3	90.4	73.4	65.0	45.2
15,0°	203.7	213.9	225.7	237.9	247.3	252.3	90.9	85.1	85.1	100.6	95.6	89.1	74.7
17,5°	226.4	242.9	257.8	275.8	287.6	287.8	121.2	133.7	112.3	107.1	97.7	91.7	99.8
20,0°	224.4	237.9	256.5	264.0	267.7	269.0	132.9	124.3	108.4	100.0	91.9	88.0	81.0
22,5°	241.3	245.8	259.3	268.2	273.2	273.7	149.4	145.2	128.5	108.9	86.4	81.0	63.2
25,0°	252.0	259.3	273.2	277.4	274.2	272.7	135.3	126.9	133.7	124.3	101.3	84.1	59.3
27,5°	271.4	272.9	275.0	281.8	284.4	283.1	161.7	129.8	124.1	112.8	98.7	79.7	58.0
30,0°	299.0	305.1	297.0	296.2	291.0	283.1	183.6	157.5	135.8	113.1	97.4	71.0	47.8
32,5°	329.3	325.9	307.9	310.3	317.6	317.6	161.7	147.3	130.3	106.6	91.7	56.9	36.6
35,0°	341.9	350.8	337.4	330.9	335.1	336.9	204.2	160.6	131.6	112.0	86.7	49.1	33.2
37,5°	364.3	367.2	344.5	340.6	350.5	353.6	221.5	171.1	138.4	121.7	79.4	42.0	38.1
40,0°	375.8	373.5	347.4	351.0	364.1	371.9	224.9	178.6	148.1	124.3	67.6	41.0	37.9
42,5°	393.6	370.3	352.3	357.6	369.8	379.2	245.5	183.9	155.9	118.1	57.5	43.1	40.0
45,0°	408.0	367.7	356.8	366.7	377.4	382.9	272.9	198.2	156.2	107.3	50.4	46.2	42.3
47,5°	413.2	363.6	357.3	369.3	379.8	381.8	279.2	199.3	158.8	89.1	47.0	45.7	41.5
50,0°	402.2	356.5	351.5	360.2	374.3	377.7	277.9	196.7	154.4	66.3	44.4	42.8	37.3
52,5°	377.4	338.0	339.5	349.2	367.0	369.8	278.9	200.1	150.2	52.0	40.0	37.9	33.4
55,0°	342.4	311.3	309.5	324.4	351.8	359.4	280.5	193.5	132.2	40.7	35.8	33.2	30.0
57,5°	313.2	274.8	269.3	290.7	319.7	326.5	269.5	170.3	94.0	42.3	32.4	30.6	27.4
60,0°	282.1	237.9	219.6	243.4	277.4	287.3	217.8	145.5	62.7	41.5	30.6	27.7	26.1
62,5°	230.1	186.7	175.2	188.0	209.2	225.7	169.0	109.4	48.3	37.6	29.0	26.6	25.6
65,0°	183.1	136.9	131.1	136.1	146.3	144.7	125.4	81.2	47.8	38.1	31.6	29.5	26.9
67,5°	145.5	93.5	79.9	81.7	85.4	84.6	113.4	69.5	60.6	47.8	37.3	32.9	29.5
70,0°	119.4	74.4	47.5	43.9	42.8	45.4	120.7	76.0	69.2	48.1	41.3	35.8	32.1
72,5°	85.1	61.9	31.9	24.0	23.0	23.5	115.2	78.6	66.9	44.1	42.6	35.5	33.4
75,0°	67.6	31.1	23.0	18.5	17.8	17.8	69.7	65.6	57.2	44.4	45.7	37.3	35.0
77,5°	46.0	21.7	17.5	15.9	15.9	15.7	64.8	52.5	47.3	43.4	40.5	38.7	37.1
80,0°	18.0	15.4	14.9	14.6	14.6	14.6	52.2	48.8	47.0	43.4	37.6	39.4	30.3
82,5°	14.9	13.8	13.6	13.6	13.6	13.6	37.1	38.7	40.5	37.6	35.5	26.9	17.0
85,0°	13.8	13.3	12.8	12.8	13.1	13.1	20.1	24.0	30.3	34.0	23.5	17.5	14.1
87,5°	12.0	11.8	11.8	12.0	12.0	12.0	12.0	12.5	12.0	9.4	8.9	8.4	7.3
90,0°	11.0	11.0	11.2	11.2	11.2	11.0	10.2	9.4	8.9	8.4	7.8	7.3	6.8
92,5°	10.4	10.4	10.4	10.4	10.4	10.4	9.1	8.9	8.4	7.8	7.3	6.8	6.3
95,0°	9.7	9.7	9.7	9.7	9.7	9.9	8.6	8.4	7.8	7.6	7.1	6.8	6.3
97,5°	9.1	8.9	8.9	8.9	8.9	8.9	8.4	7.8	7.6	7.3	6.8	6.3	6.3
100,0°	8.6	8.4	8.4	8.4	8.4	8.4	7.8	7.6	7.3	6.8	6.8	6.3	6.0
102,5°	8.1	8.1	8.4	8.4	8.1	8.4	7.6	7.3	7.1	6.8	6.3	6.0	5.7
105,0°	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.8	6.3	6.0	5.7	5.5
107,5°	7.6	7.3	7.3	7.3	7.3	7.3	6.8	6.5	6.3	6.0	5.7	5.2	5.2
110,0°	7.3	7.3	7.3	7.3	7.3	6.3	6.3	6.3	6.0	5.7	5.2	5.2	5.0
112,5°	6.8	6.8	6.8	6.8	6.8	5.7	6.3	5.7	5.7	5.2	5.2	4.7	4.7

Photometric test report

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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°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	0.0	0.0
2,5°	27.7	27.9	28.5	28.2	27.7	27.7	27.7	29.0	29.8	29.8	29.8	0.4	0.5
5,0°	30.8	30.8	31.1	29.5	27.4	25.6	23.5	22.2	21.4	20.9	20.9	1.1	1.5
7,5°	32.6	37.6	39.7	37.3	35.5	31.3	25.6	21.7	19.3	18.3	18.3	2.3	3.8
10,0°	50.1	42.0	47.8	58.2	49.1	32.9	24.8	21.2	19.1	17.5	16.7	4.2	8.0
12,5°	44.9	47.5	51.5	54.6	42.0	27.4	20.4	17.5	17.8	18.3	17.8	6.1	14.1
15,0°	64.5	47.5	52.2	56.7	57.7	38.9	29.5	20.1	18.8	19.6	19.3	9.0	23.1
17,5°	86.4	68.4	55.9	45.4	29.0	30.6	37.3	31.6	23.8	19.1	16.2	11.5	34.6
20,0°	58.2	46.8	42.8	42.0	37.3	36.3	32.6	24.6	24.0	28.5	27.2	13.0	47.6
22,5°	45.4	35.0	32.6	30.8	31.3	30.0	29.8	25.6	28.2	30.8	28.2	14.9	62.5
25,0°	35.0	27.4	25.1	24.0	24.0	24.6	27.4	27.9	31.6	40.2	38.1	16.6	79.1
27,5°	37.1	27.9	23.2	20.6	20.4	19.8	25.9	28.5	24.6	29.0	29.8	19.1	98.2
30,0°	32.9	27.4	22.2	21.2	19.3	18.8	20.1	20.6	16.7	18.5	17.8	21.6	119.8
32,5°	31.6	27.9	23.0	21.2	19.3	17.2	17.5	17.5	14.4	15.9	15.7	24.3	144.1
35,0°	29.8	26.6	24.6	20.9	18.8	17.0	16.5	15.9	13.6	14.1	14.1	28.3	172.4
37,5°	32.1	26.4	22.2	20.1	19.3	17.0	15.7	14.9	13.3	13.3	13.6	31.7	204.2
40,0°	33.2	29.0	22.5	19.6	17.8	16.2	15.4	14.9	13.6	13.3	13.1	35.1	239.2
42,5°	34.7	27.9	23.2	21.7	17.8	16.2	14.9	14.4	13.1	12.8	13.1	38.5	277.7
45,0°	35.8	28.2	23.0	20.1	18.5	17.5	15.7	14.4	13.1	12.3	12.5	42.2	320.0
47,5°	35.0	28.5	23.2	23.2	22.7	21.2	18.3	15.9	13.8	12.3	12.0	46.1	366.1
50,0°	31.9	26.1	23.0	26.4	29.5	27.9	26.4	23.8	20.6	19.1	18.8	49.8	415.9
52,5°	28.5	24.6	24.0	30.3	34.7	35.3	34.0	32.4	31.1	29.0	28.2	53.1	469.1
55,0°	26.1	23.8	24.6	31.6	37.6	39.2	39.4	36.8	36.0	36.8	36.0	55.8	524.9
57,5°	24.6	23.2	24.3	31.1	36.6	40.0	41.8	39.7	38.1	37.1	36.6	57.6	582.5
60,0°	23.2	21.7	23.5	30.0	35.5	39.7	40.7	38.9	37.1	36.3	36.0	57.0	639.4
62,5°	22.7	21.4	24.6	29.5	34.7	38.7	40.0	38.4	35.0	35.0	34.5	54.9	694.3
65,0°	24.6	23.5	25.9	28.7	32.6	35.3	36.8	35.5	32.6	32.9	32.4	51.8	746.2
67,5°	28.5	26.9	27.2	30.0	32.4	33.2	33.2	30.6	27.9	26.4	26.1	48.7	794.8
70,0°	33.4	30.6	30.0	30.3	29.8	28.2	27.2	26.1	25.3	24.8	24.0	46.6	841.4
72,5°	34.5	32.6	30.6	31.1	27.7	22.5	21.4	20.6	20.4	19.8	19.8	42.5	883.9
75,0°	34.5	36.0	32.6	29.8	20.6	17.5	17.0	16.5	16.7	16.2	16.2	35.3	919.2
77,5°	34.5	27.4	14.9	13.3	12.5	11.5	11.0	11.0	11.8	11.2	12.0	24.2	943.4
80,0°	19.6	11.0	9.1	9.4	8.6	8.4	7.8	8.1	7.6	6.3	6.8	13.8	957.2
82,5°	13.6	10.4	7.8	7.1	6.5	6.3	6.3	5.7	4.7	4.2	4.2	8.4	965.6
85,0°	11.0	8.4	6.8	6.0	5.5	5.2	4.7	4.2	4.2	3.7	3.7	4.8	970.4
87,5°	6.8	6.3	5.7	5.2	5.0	4.7	4.2	3.7	3.7	3.7	3.7	2.7	973.1
90,0°	6.3	5.7	5.2	5.0	4.7	4.2	3.7	3.7	3.1	3.1	3.1	2.4	975.5
92,5°	6.0	5.5	5.2	4.7	4.2	4.2	3.7	3.4	3.1	3.1	3.1	2.2	977.8
95,0°	5.7	5.2	5.2	4.7	4.2	4.2	3.7	3.4	3.1	3.1	3.1	2.1	979.9
97,5°	5.7	5.2	5.0	4.7	4.2	3.9	3.7	3.1	3.1	3.1	3.1	2.0	981.8
100,0°	5.7	5.2	5.0	4.7	4.2	3.9	3.7	3.4	3.1	3.1	3.1	1.9	983.7
102,5°	5.5	5.2	4.7	4.7	4.2	3.7	3.7	3.1	3.1	3.1	3.1	1.8	985.5
105,0°	5.2	5.0	4.7	4.2	4.2	3.7	3.7	3.1	3.1	3.1	3.1	1.7	987.2
107,5°	4.7	4.7	4.4	4.2	4.2	3.7	3.7	3.1	3.1	3.1	2.6	1.6	988.8
110,0°	4.7	4.7	4.2	4.2	3.7	3.7	3.4	3.1	3.1	2.9	2.6	1.5	990.3
112,5°	4.4	4.2	4.2	3.9	3.7	3.4	3.1	3.1	2.9	2.6	2.1	1.4	991.7

Photometric test report

Family MUSHROOM LUMINAIRE LED	Order number: 5XA5233EB14H + 5XA54000XBS EAN: 4058352436141 + 4050737971445	LP number 59054_1
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°	5.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.8	6.8	6.8
117,5°	5.7	5.7	5.7	5.7	5.7	5.7	6.0	6.3	6.3	6.3	6.3	6.3	6.3
120,0°	5.2	5.2	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.3	6.3
122,5°	4.7	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.7	5.7	5.7	5.7
125,0°	4.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.2	5.2	5.2	5.2
127,5°	3.7	3.7	3.7	3.7	3.9	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2
130,0°	2.9	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
132,5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
135,0°	2.1	2.1	2.1	2.1	1.8	2.1	1.8	1.8	1.8	1.8	1.6	1.6	1.6
137,5°	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
140,0°	1.6	1.6	1.6	1.6	1.3	1.3	1.0	1.0	1.3	1.0	1.0	1.0	1.0
142,5°	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
145,0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	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 MUSHROOM LUMINAIRE LED	Order number: 5XA5233EB14H + 5XA54000XBS EAN: 4058352436141 + 4050737971445	LP number 59054_1
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												
115,0°	6.8	6.8	6.8	6.8	6.0	3.1	5.7	5.7	5.2	5.2	4.7	4.7	4.4
117,5°	6.3	6.3	6.3	6.3	5.2	2.6	5.2	5.2	5.0	4.7	4.7	4.2	4.2
120,0°	6.3	6.3	6.3	6.3	4.7	2.1	5.2	4.7	4.7	4.7	4.2	4.2	4.2
122,5°	5.7	5.7	5.7	5.7	3.7	1.6	4.7	4.7	4.2	4.2	4.2	3.9	3.7
125,0°	5.2	5.2	5.2	5.2	3.4	1.6	4.2	4.2	4.2	3.7	3.7	3.7	3.7
127,5°	4.2	4.2	4.2	4.2	2.6	1.6	3.7	3.7	3.7	3.1	3.1	3.1	3.1
130,0°	3.1	3.1	3.1	3.1	2.1	1.0	2.9	2.6	2.6	2.6	2.6	2.6	2.6
132,5°	2.1	2.1	2.1	2.1	1.6	1.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
135,0°	1.8	1.6	1.6	1.6	1.0	1.0	2.1	2.1	1.8	2.1	1.8	1.6	1.8
137,5°	1.6	1.6	1.6	1.3	1.0	0.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140,0°	1.0	1.0	1.0	1.0	0.5	0.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142,5°	1.0	1.0	1.0	0.5	0.5	0.5	1.3	1.0	1.6	1.3	1.6	1.3	1.6
145,0°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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	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: 5XA5233EB14H + 5XA54000XBS EAN: 4058352436141 + 4050737971445	LP number 59054_1
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	
115,0°	4.2	4.2	3.9	3.7	3.7	3.4	3.1	3.1	2.6	2.4	1.6	1.3	993.0
117,5°	4.2	3.7	3.7	3.7	3.1	3.1	3.1	2.9	2.6	2.1	1.6	1.2	994.1
120,0°	3.7	3.7	3.7	3.1	3.1	3.1	2.6	2.6	2.6	2.1	1.6	1.1	995.3
122,5°	3.7	3.4	3.1	3.1	3.1	2.9	2.6	2.6	2.6	2.1	1.6	1.0	996.3
125,0°	3.4	3.1	3.1	3.1	2.6	2.6	2.6	2.6	2.1	1.8	1.6	0.9	997.2
127,5°	3.1	2.6	2.6	2.6	2.6	2.4	2.1	2.1	2.1	1.6	1.6	0.7	997.9
130,0°	2.6	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.6	1.6	1.6	0.6	998.4
132,5°	2.1	2.1	2.1	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.6	0.4	998.8
135,0°	1.8	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.3	999.2
137,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	0.3	999.4
140,0°	1.6	1.6	1.6	1.6	1.6	1.6	1.3	1.0	1.0	1.0	1.0	0.2	999.7
142,5°	1.6	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	999.9
145,0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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 MUSHROOM LUMINAIRE LED	Order number: 5XA5233EB14H + 5XA54000XBS EAN: 4058352436141 + 4050737971445	LP number 59054_1
Dimming levels table		environmental temperature: 25°C
siteco		

Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	1540	13.5	13.9	13.7
95	241	1461	12.6	13.1	12.8
90	229	1388	12.0	12.4	12.2
85	216	1310	11.3	11.7	11.5
80	203	1231	10.6	10.8	10.7
75	190	1152	9.8	10.2	10.0
70	178	1079	9.2	9.5	9.4
65	165	1000	8.5	8.8	8.6
60	152	922	7.9	8.1	8.0
55	140	849	7.3	7.5	7.4
50	127	770	6.8	7.0	6.9
45	114	691	6.2	6.3	6.2
40	102	618	5.6	5.7	5.6
35	89	540	5.0	5.1	5.0
30	76	461	4.4	4.5	4.4
25	63	382	3.8	3.9	3.8
20	51	309	3.1	3.3	3.2
16	41	249	2.5	2.6	2.6