

Photometric test report

Family
MUSHROOM LUMINAIRE LED



Order number: 5XA5235KF14H + 5XA54000XBS
EAN: 4058352833162 + 4050737971445

LP number
59054_21

serial
documentation
07.07.2022

Version post-top- or mounting to wall arm, shielding on building side
Optic asymmetric, wide distribution (ST1.2a)
Cover cover transparent, PMMA
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 1540 lm
Power consumption = 10.0 W
Luminous efficacy = 154 lm/W

siteco

Luminous intensity in cd/klm

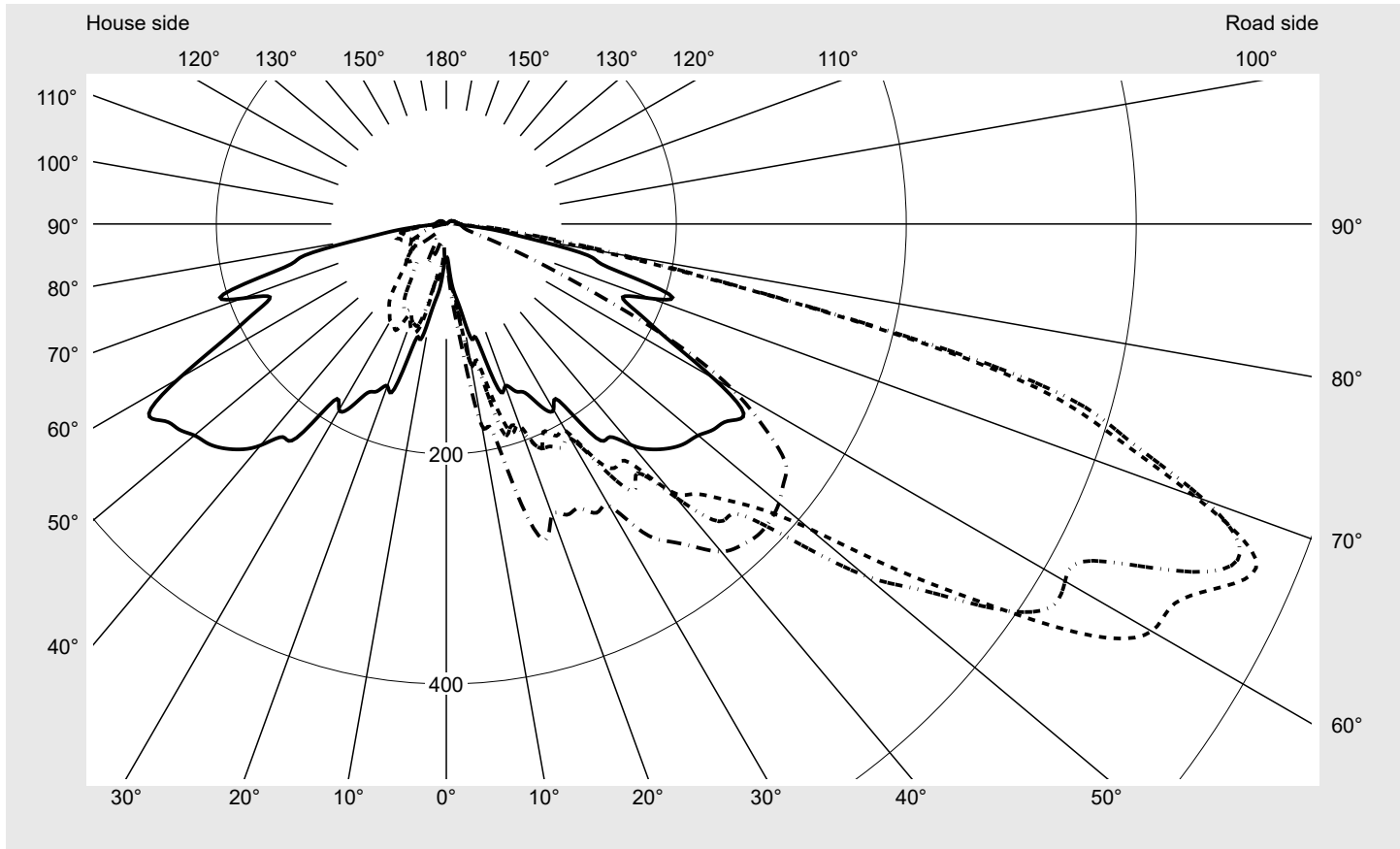
C180-0

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

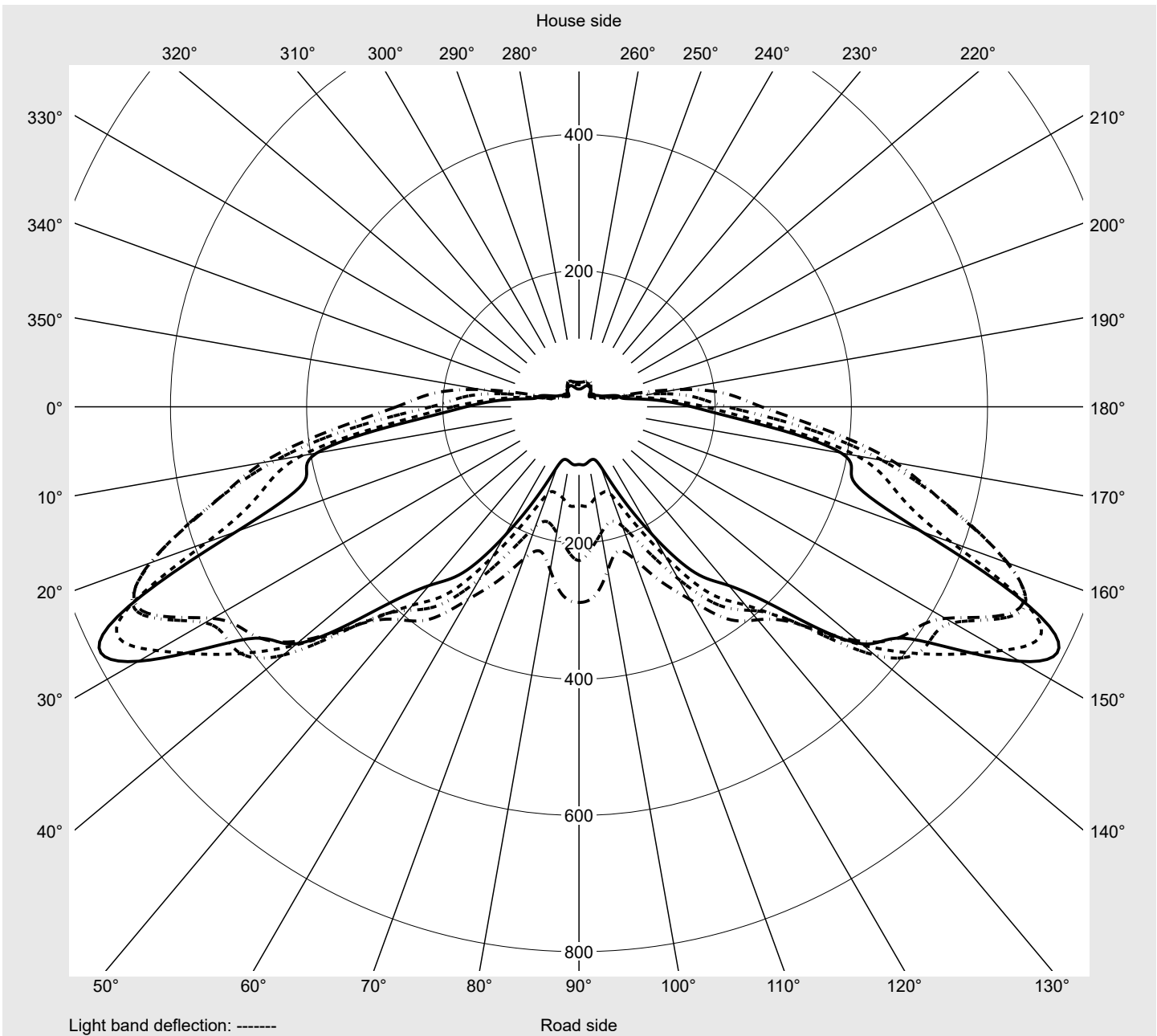
Measurement conditions

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
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°	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

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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°	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

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		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: 5XA5235KF14H + 5XA54000XBS EAN: 4058352833162 + 4050737971445	LP number 59054_21
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°	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: 5XA5235KF14H + 5XA54000XBS EAN: 4058352833162 + 4050737971445	LP number 59054_21
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°	6.8	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: 5XA5235KF14H + 5XA54000XBS EAN: 4058352833162 + 4050737971445	LP number 59054_21
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°	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: 5XA5235KF14H + 5XA54000XBS EAN: 4058352833162 + 4050737971445	LP number 59054_21
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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	1540	10.0	10.4	10.2
95	241	252	1461	9.5	9.9	9.7
90	229	250	1388	9.0	9.3	9.2
85	216	248	1310	8.5	8.8	8.6
80	203	246	1231	8.0	8.3	8.2
75	190	243	1152	7.6	7.7	7.6
70	178	241	1079	7.1	7.3	7.2
65	165	238	1000	6.6	6.8	6.7
60	152	235	922	6.1	6.4	6.2
55	140	232	849	5.7	5.9	5.8
50	127	229	770	5.3	5.5	5.4
45	114	225	691	4.8	5.0	4.9
40	102	221	618	4.4	4.6	4.5
35	89	216	540	4.0	4.1	4.0
30	76	210	461	3.6	3.7	3.6
30	75	209	455	3.5	3.7	3.6