

Photometric test report

Family
Floodlight 20 mini LED

Order number: 5XA7672C1A4AC
EAN: 4058352259375

LP number
58552_16



Version mast flange adapter
Optic asymmetric distribution PL43
Cover toughened safety glass
Lamps 1 x LED 3000K / CRI ≥ 80
 (unbekannt LED 3000K / CRI = 80)
Controlgear ECG-DALI
Rated values Net luminous flux = 10230 lm
 Power consumption = 95.8 W
 Luminous efficacy = 106.8 lm/W

serial
documentation
25.08.2021

siteco

Luminous intensity in cd/klm

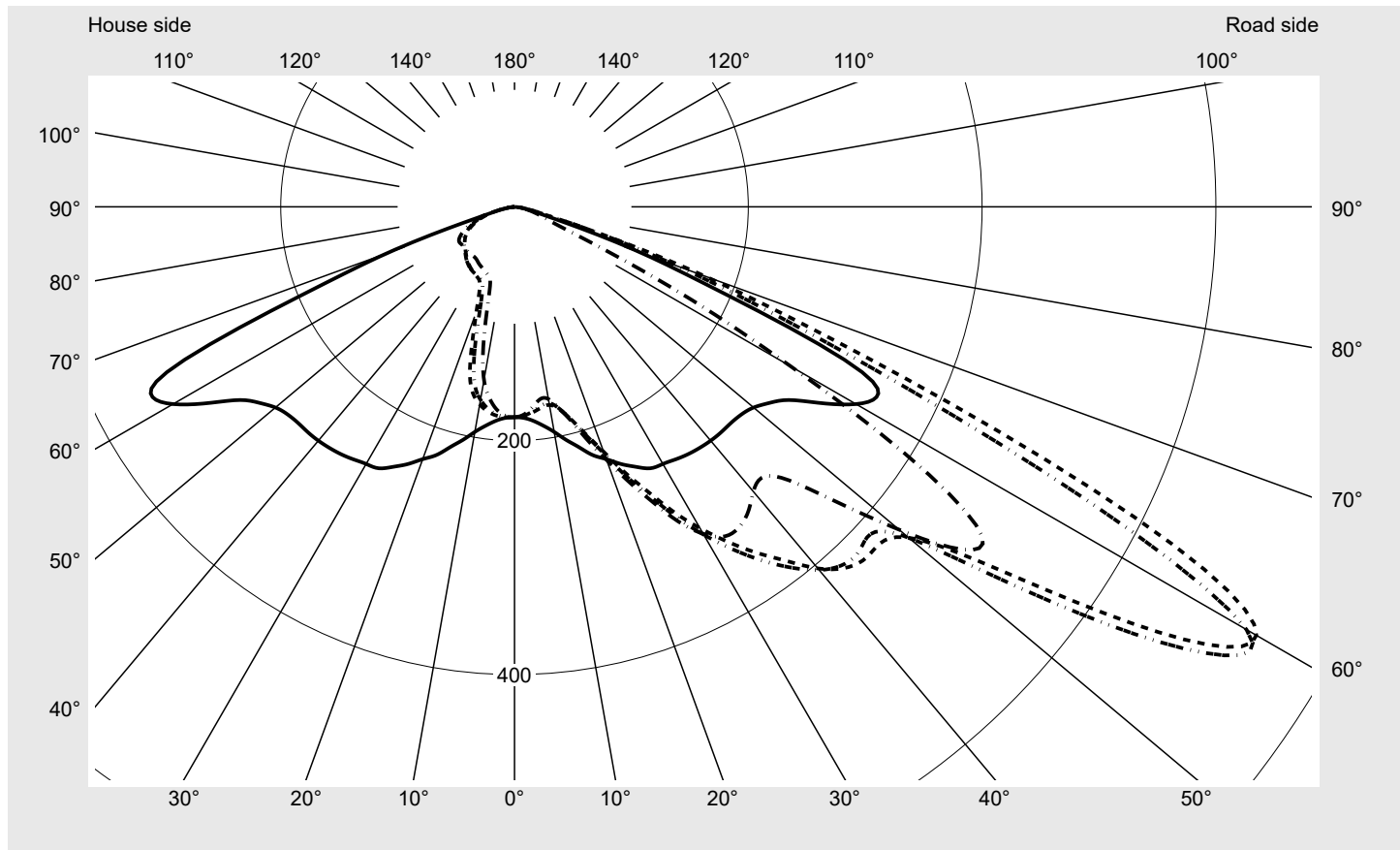
C180-0

C230-50

C235-55

C270-90

Imax: 733 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Luminous intensity class acc. to EN13201-2

Class:	G6
Imax 70°	250.7
Imax 80°	13.8
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

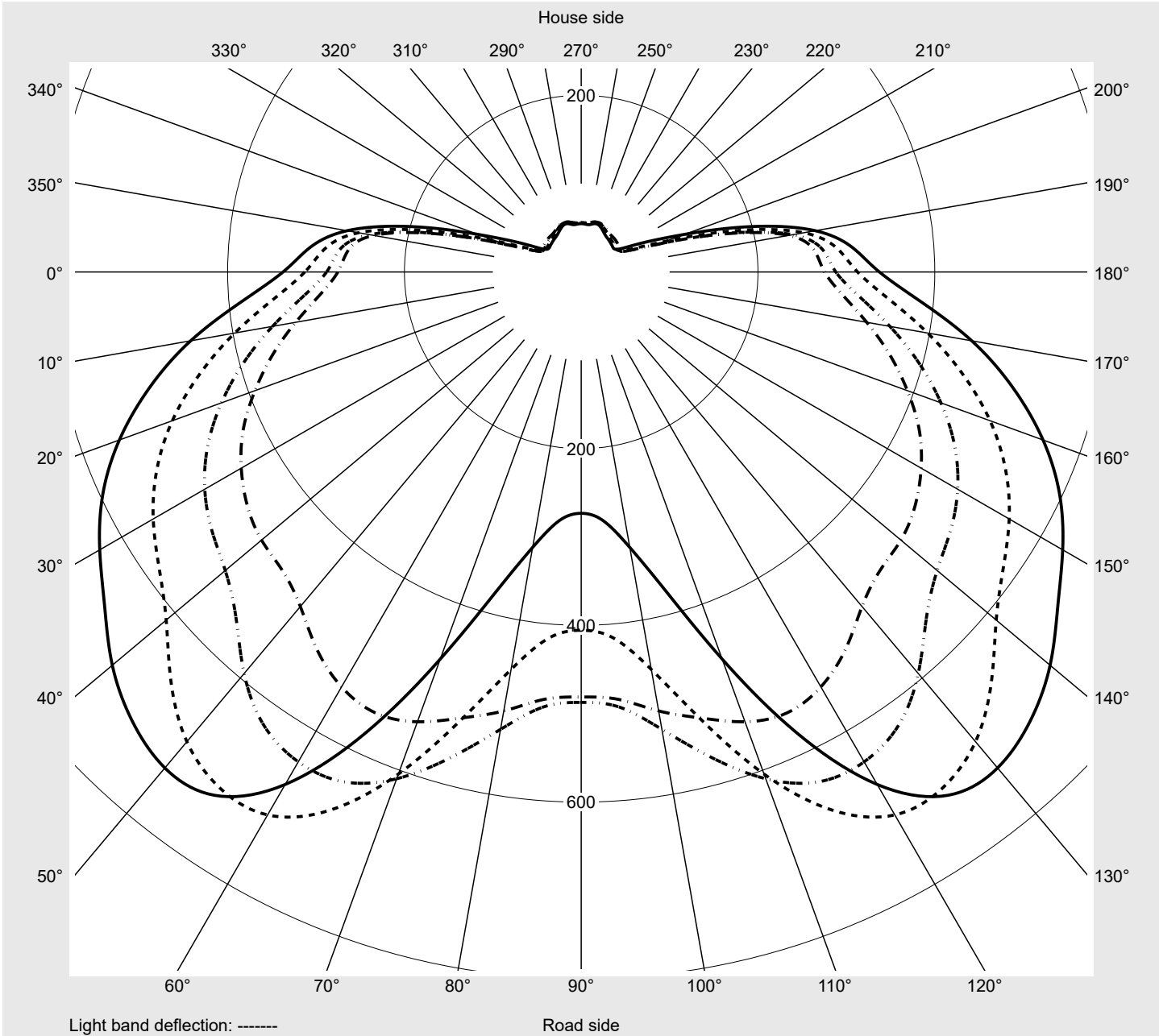
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 60°** **KMK 57.5°** **KMK 55°** **KMK 52.5°** **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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2,5°	180.7	180.4	180.3	180.3	180.2	180.2	180.1	179.9	179.6	179.4	179.2	178.9	178.7
5,0°	183.7	183.4	182.9	182.4	181.8	181.2	180.4	179.5	178.5	177.5	176.6	175.7	174.9
7,5°	188.8	188.0	186.9	185.6	184.1	182.6	180.9	179.0	177.0	175.1	173.3	171.8	170.3
10,0°	195.5	194.5	192.6	190.3	187.8	185.1	182.2	179.4	176.6	174.2	172.1	170.5	169.2
12,5°	204.2	202.3	199.5	196.0	192.4	188.8	185.5	182.6	180.2	178.5	177.4	176.7	176.5
15,0°	212.7	210.5	206.6	202.2	198.1	194.5	191.7	189.8	188.7	188.2	188.6	189.0	189.2
17,5°	222.6	218.8	214.2	209.6	205.7	202.9	201.4	201.1	202.0	203.2	204.3	205.5	206.5
20,0°	229.6	226.1	221.4	216.9	213.9	212.6	213.3	215.5	217.8	220.3	222.9	225.1	227.0
22,5°	238.0	233.6	228.9	225.2	223.5	224.4	228.1	232.3	236.6	241.1	245.4	249.1	250.8
25,0°	245.3	242.0	238.0	235.4	235.1	238.8	244.2	250.4	256.6	262.6	267.9	272.3	275.4
27,5°	252.1	248.7	246.0	245.2	248.7	255.8	263.3	271.1	278.8	286.6	293.6	298.6	302.1
30,0°	253.9	252.1	250.7	252.4	259.9	269.9	280.3	290.3	299.9	309.1	317.3	323.8	328.0
32,5°	256.1	255.0	255.6	260.4	271.1	283.3	295.9	308.4	320.0	330.1	339.6	347.2	351.5
35,0°	258.4	258.8	262.3	270.7	283.3	297.5	311.7	325.9	339.5	351.0	361.1	369.2	372.1
37,5°	259.9	262.2	269.2	281.6	295.7	311.3	327.3	343.0	358.0	371.4	381.6	388.9	388.5
40,0°	261.1	265.5	276.9	292.5	308.5	325.7	343.7	361.7	378.1	393.0	403.6	405.4	400.4
42,5°	261.5	268.2	284.0	302.1	321.0	340.5	360.0	379.7	396.9	411.3	418.8	415.4	406.2
45,0°	261.6	270.9	290.5	311.6	332.9	354.4	376.5	396.4	412.8	424.4	424.9	416.8	401.9
47,5°	263.0	275.1	297.2	320.8	344.1	366.4	387.2	405.7	419.4	427.7	425.2	413.8	401.7
50,0°	267.0	283.1	309.3	337.2	363.9	388.2	409.6	426.5	438.2	442.5	440.2	440.2	447.9
52,5°	275.3	296.7	328.0	361.3	392.7	421.9	444.1	461.2	472.1	478.0	494.3	521.3	542.3
55,0°	288.0	315.6	354.6	395.1	433.1	466.3	491.8	510.1	525.7	552.5	593.3	626.2	640.2
57,5°	312.7	349.0	398.0	446.9	492.3	529.8	559.1	583.1	612.9	656.3	694.0	712.9	709.6
60,0°	337.3	385.8	448.7	505.5	556.0	597.4	629.0	658.3	692.5	718.5	732.8	723.1	669.8
62,5°	350.0	407.7	477.2	540.5	593.3	632.6	659.3	681.3	689.2	682.0	654.5	579.5	477.7
65,0°	316.3	376.8	447.1	504.0	548.1	577.7	594.3	595.3	578.0	540.7	466.8	384.3	313.0
67,5°	196.1	254.1	308.0	354.9	392.3	417.5	425.2	415.6	385.9	336.8	287.6	242.8	197.9
70,0°	116.8	142.9	168.8	199.2	226.4	242.1	250.7	246.5	228.8	200.6	173.1	148.7	126.7
72,5°	48.9	42.1	39.5	55.6	105.4	131.8	133.6	125.8	106.5	85.8	80.1	78.5	69.5
75,0°	22.3	19.5	19.2	20.9	34.8	56.7	57.8	50.8	30.9	26.0	32.2	32.5	30.1
77,5°	13.4	12.3	12.2	12.9	16.0	21.6	22.1	17.4	15.3	15.3	17.4	19.0	21.7
80,0°	7.7	7.4	7.7	8.1	8.7	10.2	10.2	9.4	9.7	10.0	10.4	10.9	12.2
82,5°	4.1	4.1	4.3	4.6	4.8	5.1	5.7	5.7	5.9	6.0	6.1	6.0	5.9
85,0°	1.9	1.8	1.9	2.0	2.2	2.4	2.6	2.8	2.8	2.8	2.7	2.6	2.4
87,5°	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	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
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
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
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

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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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2,5°	178.4	178.2	178.1	178.0	177.9	177.9	180.8	180.8	180.8	180.8	180.7	180.7	180.6
5,0°	174.1	173.4	172.9	172.6	172.5	172.5	184.0	183.9	183.7	183.4	183.0	182.4	181.8
7,5°	169.0	167.8	167.0	166.4	166.1	166.0	189.0	188.8	188.2	187.3	186.2	184.7	182.9
10,0°	168.2	167.4	167.0	166.8	166.9	166.9	196.1	195.7	194.6	192.8	190.4	187.3	183.8
12,5°	176.3	176.2	176.2	176.5	176.6	176.7	204.8	204.3	202.6	199.6	195.5	190.6	184.6
15,0°	189.4	189.4	189.7	190.1	190.5	190.5	214.0	213.3	210.7	206.2	200.3	192.9	184.0
17,5°	207.3	208.0	208.5	209.2	209.8	209.9	223.3	222.1	218.4	212.3	204.0	193.6	180.1
20,0°	228.2	228.8	229.4	229.9	230.3	230.3	231.5	229.8	224.9	217.0	205.7	190.3	166.4
22,5°	252.4	252.9	253.3	253.8	254.0	253.8	239.6	237.7	231.4	220.5	203.7	177.1	144.0
25,0°	276.7	276.9	277.0	277.7	278.0	277.7	247.5	245.1	236.8	222.0	193.8	156.1	119.5
27,5°	303.6	303.1	302.4	303.2	303.6	303.3	253.3	250.0	239.7	217.0	174.8	130.8	95.4
30,0°	328.6	326.1	324.3	324.2	323.9	322.9	255.2	251.2	238.8	203.2	152.9	107.3	78.5
32,5°	350.6	346.3	343.1	340.9	337.1	334.2	257.1	252.7	235.1	186.8	130.3	88.3	69.8
35,0°	368.8	361.3	356.5	350.6	340.0	334.7	258.7	253.5	225.8	166.7	106.8	73.1	65.2
37,5°	380.8	369.5	363.2	351.9	334.9	328.5	259.4	252.9	212.7	146.0	88.0	65.4	62.8
40,0°	387.7	373.0	363.3	343.5	323.9	317.9	259.7	250.3	199.2	127.8	76.1	61.9	60.7
42,5°	390.0	371.4	353.5	331.6	318.1	313.9	259.4	246.9	189.4	115.0	70.4	59.4	58.8
45,0°	384.4	366.9	352.3	340.9	332.2	329.9	258.7	243.2	181.7	105.8	65.8	57.1	57.0
47,5°	396.0	389.7	384.4	380.6	373.9	373.2	258.9	240.0	175.3	100.4	62.3	55.0	55.2
50,0°	458.1	458.1	448.9	441.8	432.1	429.5	260.8	237.4	169.3	94.5	59.2	53.0	53.5
52,5°	550.7	541.8	522.6	504.5	485.6	481.0	265.5	238.4	165.7	91.4	57.0	51.1	51.7
55,0°	636.6	610.4	568.8	525.7	494.3	487.2	275.3	243.2	167.6	91.4	55.9	49.3	49.7
57,5°	672.1	604.8	524.7	456.8	415.8	405.5	292.0	255.8	180.6	101.7	61.0	48.6	47.5
60,0°	574.7	466.3	375.8	316.6	282.4	273.2	309.0	268.9	198.3	124.4	79.5	53.3	45.7
62,5°	381.2	303.5	247.0	203.1	171.1	163.0	313.6	273.2	210.0	145.1	101.0	67.1	46.2
65,0°	254.3	201.4	146.7	98.7	73.7	72.1	277.5	248.6	202.2	149.0	104.6	72.8	50.4
67,5°	162.1	121.9	57.2	40.9	37.9	36.6	147.3	155.0	152.5	128.7	92.2	62.6	49.8
70,0°	105.4	79.1	39.4	31.3	29.5	28.0	47.6	43.2	62.9	70.1	56.8	49.6	43.3
72,5°	55.6	44.1	29.7	23.8	22.1	20.8	26.2	23.8	25.9	32.8	30.3	29.8	29.6
75,0°	29.5	29.7	23.0	18.3	17.0	15.7	18.4	16.6	17.8	20.4	20.1	19.7	19.5
77,5°	24.2	22.5	16.4	13.4	12.2	11.1	13.5	11.8	12.6	13.9	13.6	13.6	13.5
80,0°	13.8	12.7	10.0	9.0	7.9	7.1	7.8	7.7	8.0	8.9	8.9	8.8	8.8
82,5°	5.7	5.7	5.2	4.6	4.1	3.8	4.3	4.4	4.5	4.9	5.2	5.2	5.3
85,0°	2.2	2.0	1.8	1.6	1.5	1.4	2.0	2.0	2.1	2.3	2.4	2.5	2.5
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.0	1.0	1.0	1.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	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
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
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
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

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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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	0.3	0.3
2,5°	180.5	180.3	180.0	179.8	179.6	179.4	179.1	178.9	178.7	178.7	178.8	2.1	2.4
5,0°	181.0	180.2	179.2	178.2	177.2	176.4	175.5	174.8	174.4	174.2	174.1	4.3	6.7
7,5°	180.8	178.6	176.4	174.2	172.0	170.0	168.2	166.7	165.6	165.1	164.9	6.3	13.0
10,0°	179.9	175.8	171.6	167.6	163.5	159.9	156.7	153.9	151.9	150.8	150.4	8.4	21.4
12,5°	178.0	171.0	163.7	156.5	149.3	142.5	136.1	130.8	127.0	124.6	123.8	10.4	31.8
15,0°	173.7	161.6	147.6	133.7	121.5	111.6	103.7	97.8	93.7	91.2	90.4	12.4	44.2
17,5°	160.5	139.0	119.5	103.6	91.7	83.3	77.4	73.6	71.1	69.7	69.2	14.5	58.7
20,0°	138.8	114.2	95.2	82.1	74.1	69.9	67.5	66.0	64.9	64.1	63.8	16.8	75.5
22,5°	114.0	92.0	78.5	71.5	68.4	66.7	65.3	64.0	63.0	62.2	61.8	19.5	95.0
25,0°	92.1	76.9	70.6	68.4	67.0	65.7	64.4	63.2	62.0	60.9	60.5	22.3	117.3
27,5°	76.0	69.9	68.2	67.3	66.3	65.3	64.0	62.6	61.2	59.9	59.2	25.3	142.7
30,0°	69.2	67.5	67.0	66.5	66.0	65.1	63.9	62.3	60.7	59.0	58.2	28.3	171.0
32,5°	66.4	65.9	65.9	65.9	65.8	65.1	63.7	62.0	60.1	58.2	57.1	31.3	202.3
35,0°	64.3	64.3	64.7	65.1	65.2	64.7	63.3	61.3	59.2	57.1	55.9	34.1	236.4
37,5°	62.5	62.8	63.3	64.0	64.2	63.9	62.6	60.7	58.6	56.4	55.0	36.8	273.2
40,0°	60.8	61.3	61.9	62.5	63.0	62.9	62.0	60.3	58.3	56.2	54.9	39.3	312.5
42,5°	59.2	59.8	60.2	61.0	61.6	62.1	61.6	60.0	58.1	56.3	55.1	41.7	354.3
45,0°	57.5	58.1	58.5	59.1	60.2	61.3	61.1	59.6	58.0	56.4	55.2	44.2	398.5
47,5°	55.9	56.5	56.7	57.3	58.8	60.4	60.6	59.2	57.6	56.2	55.1	47.2	445.7
50,0°	54.3	54.8	55.0	55.7	57.5	59.4	59.9	58.8	57.0	55.8	55.0	52.3	498.0
52,5°	52.5	53.2	53.5	54.3	56.1	58.3	59.3	58.5	56.9	55.7	55.2	59.5	557.5
55,0°	50.6	51.4	52.0	52.9	54.7	57.4	58.8	58.6	56.7	55.8	55.6	67.2	624.7
57,5°	48.3	49.4	50.2	51.3	53.2	56.2	58.2	58.2	56.1	55.7	56.0	73.8	698.5
60,0°	45.8	46.8	47.9	49.2	51.4	54.4	56.9	56.6	54.4	54.3	54.7	75.4	773.9
62,5°	43.1	43.7	44.7	46.1	48.5	51.4	54.1	53.6	51.5	51.2	51.5	70.8	844.7
65,0°	41.0	40.4	41.3	42.9	45.0	48.1	50.7	50.1	47.7	47.1	47.5	59.6	904.3
67,5°	40.3	36.4	37.3	38.9	41.3	44.1	45.9	44.8	41.9	41.5	42.4	41.3	945.6
70,0°	36.6	32.1	32.9	34.8	37.1	39.4	40.3	38.5	35.5	36.6	37.0	25.2	970.8
72,5°	27.7	26.2	27.5	29.5	31.6	33.3	33.6	30.8	28.6	31.2	32.2	13.1	983.9
75,0°	19.9	20.5	21.9	23.7	25.4	26.8	26.5	23.8	21.8	23.3	24.5	6.9	990.8
77,5°	13.9	14.6	15.4	17.1	18.7	19.9	18.8	16.8	15.2	15.4	15.8	4.3	995.1
80,0°	9.1	9.5	10.1	11.1	12.3	12.9	11.8	10.5	9.4	9.1	8.9	2.6	997.7
82,5°	5.4	5.6	5.9	6.1	6.3	6.2	5.8	5.2	4.7	4.5	4.4	1.4	999.1
85,0°	2.5	2.5	2.6	2.7	2.7	2.7	2.6	2.3	2.1	2.0	2.0	0.6	999.8
87,5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.2	1000.0
90,0°	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
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
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
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 Floodlight 20 mini LED	Order number: 5XA7672C1A4AC EAN: 4058352259375	LP number 58552_16
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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]
100	254	254	10230	95.8
95	240	252	9719	90.4
90	225	250	9207	85.1
85	212	247	8696	79.8
80	197	245	8184	74.6
75	184	242	7673	69.6
70	171	239	7161	64.6
65	157	236	6650	59.7
60	143	233	6138	55.0
55	132	230	5627	50.3
50	118	226	5115	45.7
45	106	222	4604	41.1
40	93	217	4092	36.7
35	81	212	3581	32.4
30	69	206	3069	28.1
25	57	199	2558	23.9
20	46	191	2046	19.6
15	34	180	1534	15.7