

Photometric test report

Family
Floodlight 20 mini LED

Order number: **5XA7672B1D1AC**
EAN: **4058352220894**

LP number
58553_5



Version	mounting bracket
Optic	asymmetric distribution PL52
Cover	toughened safety glass
Lamps	1 x LED 3000K / CRI ≥ 80 (unbekannt LED 3000K / CRI = 80)
Controlgear	ECG-DALI
Rated values	Net luminous flux = 4930 lm Power consumption = 51.0 W Luminous efficacy = 96.7 lm/W

serial
documentation
25.08.2021

siteco

Luminous intensity in cd/klm

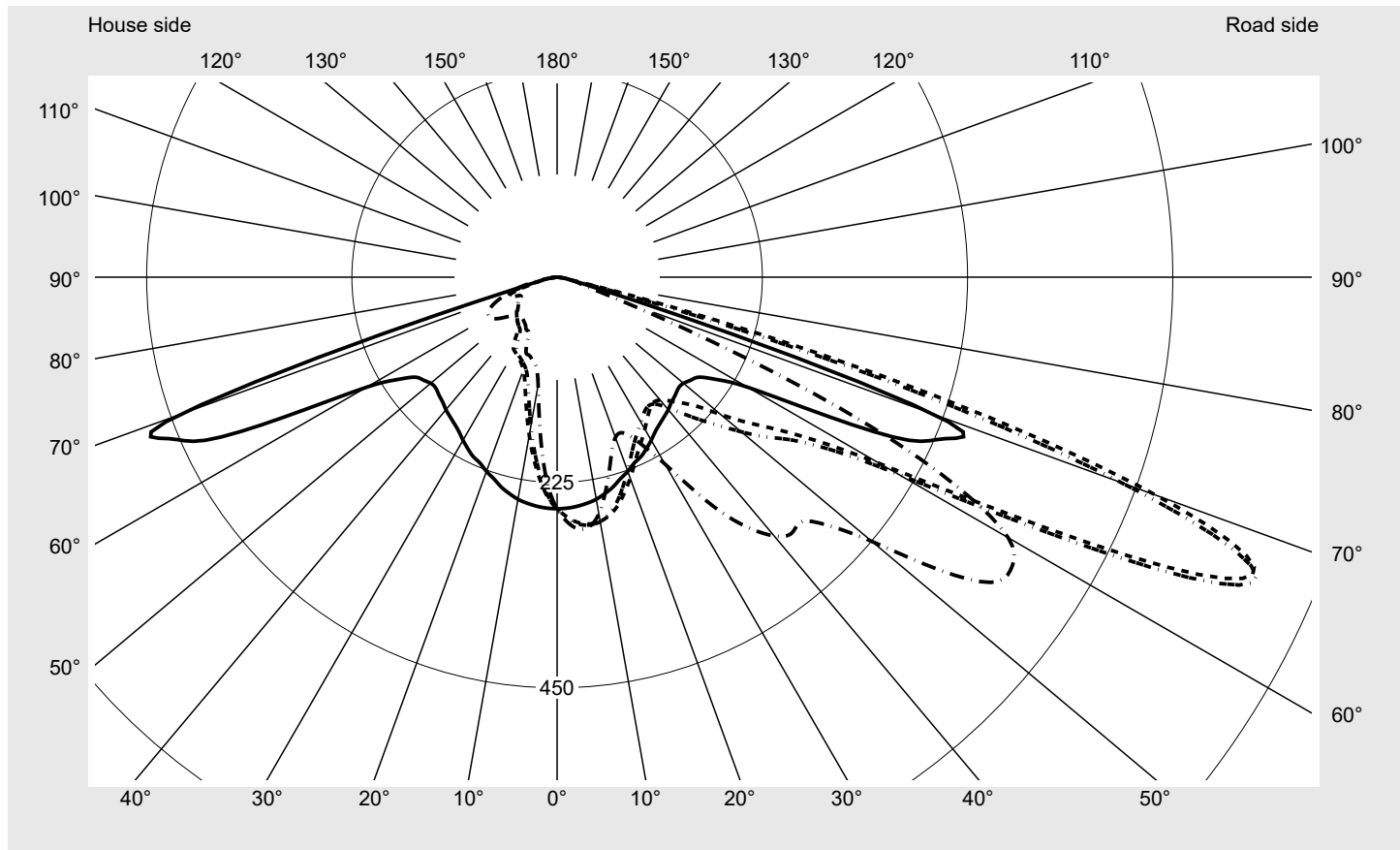
C180-0

C215-35

C220-40

C270-90

Imax: 827 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:	G3
Imax 70°	767.0
Imax 80°	23.0
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

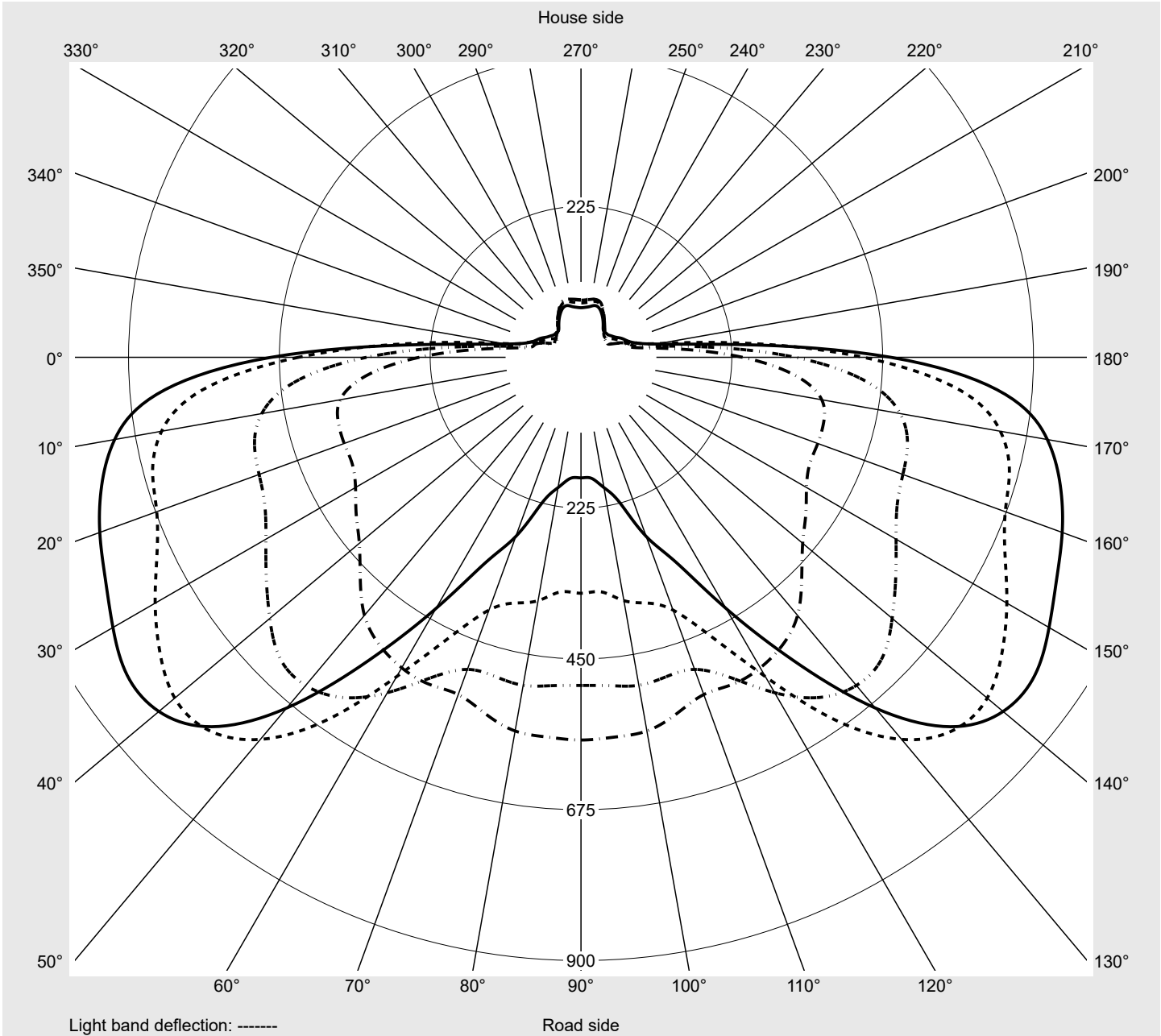
DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°**



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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°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
2,5°	253.4	254.9	256.4	258.0	259.5	261.1	262.4	263.4	264.5	265.4	266.3	266.9	267.4
5,0°	252.0	255.2	258.3	261.1	263.7	266.3	268.4	270.1	271.6	272.8	273.7	274.6	275.2
7,5°	249.9	254.7	259.0	262.7	265.9	268.8	271.0	272.7	273.9	274.6	275.1	275.5	275.5
10,0°	247.1	253.2	258.3	262.6	266.1	268.7	270.7	271.8	272.0	271.6	270.6	269.4	267.8
12,5°	242.8	250.3	256.3	260.8	264.0	266.2	267.2	266.9	265.2	262.4	259.1	255.6	252.1
15,0°	237.8	246.4	253.0	257.5	260.3	261.5	261.0	258.6	254.4	249.3	243.9	238.7	233.5
17,5°	231.4	241.9	248.9	253.2	255.1	254.7	251.9	246.8	240.3	233.3	226.3	219.9	214.0
20,0°	226.5	237.3	244.7	248.7	249.4	247.0	241.7	234.4	226.2	217.9	210.2	203.6	198.3
22,5°	220.6	233.3	240.9	244.1	243.3	238.5	230.9	221.6	211.9	203.1	195.7	190.4	186.7
25,0°	217.2	230.8	238.8	241.4	238.8	231.5	221.3	210.4	200.2	191.7	186.1	183.2	182.9
27,5°	211.9	228.0	237.0	239.2	235.0	225.4	213.2	201.1	191.1	184.3	181.2	182.4	186.4
30,0°	206.3	222.9	232.5	234.4	229.0	218.0	204.9	192.3	183.6	179.2	180.9	187.1	195.9
32,5°	200.5	218.7	228.7	229.0	221.2	208.7	195.3	183.8	176.9	177.0	184.1	197.2	213.7
35,0°	196.2	216.1	227.0	225.9	216.5	202.5	188.2	177.1	173.1	178.5	193.9	217.2	243.3
37,5°	192.8	214.5	225.3	223.2	212.3	197.3	182.7	173.2	175.3	188.7	214.0	245.7	277.7
40,0°	189.6	213.1	223.4	221.9	210.0	194.2	180.3	175.9	185.7	207.5	240.4	277.4	310.3
42,5°	185.7	211.7	222.8	221.5	208.9	192.7	181.7	184.0	201.8	231.7	270.0	304.6	334.6
45,0°	183.0	210.3	223.6	222.1	209.1	193.9	187.2	195.2	220.8	254.0	286.5	314.9	338.2
47,5°	180.3	212.5	227.7	225.4	212.0	199.0	194.8	210.1	240.6	271.7	299.3	321.7	340.0
50,0°	180.9	217.4	236.4	236.0	222.7	210.3	212.6	234.2	263.6	291.2	311.5	327.9	344.0
52,5°	185.1	227.1	248.8	248.6	237.5	229.9	238.2	261.0	287.4	309.3	325.3	338.1	360.6
55,0°	191.0	242.1	268.8	270.6	261.4	258.5	268.5	289.3	310.3	327.0	343.8	368.9	407.8
57,5°	209.2	271.8	303.8	307.5	302.1	301.4	312.0	330.2	348.5	367.0	400.1	440.6	473.6
60,0°	241.1	322.9	364.8	374.8	375.9	376.5	388.5	409.3	431.7	465.7	502.6	524.1	534.9
62,5°	320.0	429.7	483.6	504.3	511.0	520.5	542.8	573.2	606.0	635.1	639.1	619.6	577.8
65,0°	421.5	568.6	635.3	661.7	673.6	698.0	733.6	767.0	791.1	786.5	744.2	660.3	550.1
67,5°	462.2	635.6	706.4	740.4	764.0	783.0	806.3	826.7	822.1	779.5	683.1	552.0	432.7
70,0°	439.4	623.7	722.7	767.0	750.7	724.1	713.8	699.9	659.8	581.1	469.0	370.0	297.7
72,5°	145.9	232.6	294.5	375.4	459.3	476.0	466.3	444.0	388.2	309.7	247.5	213.0	182.8
75,0°	37.2	40.5	45.0	53.0	97.4	158.1	175.4	167.3	114.0	78.9	104.0	105.0	101.6
77,5°	20.7	22.2	22.7	23.3	27.5	36.2	40.8	28.4	24.8	24.4	34.4	39.0	40.2
80,0°	12.0	11.3	11.0	11.2	12.5	15.0	15.0	13.6	13.3	14.0	15.0	15.3	17.0
82,5°	6.5	6.1	6.1	6.4	6.7	7.4	8.2	7.9	8.1	8.3	8.4	8.3	9.7
85,0°	2.9	2.6	2.6	2.7	2.9	3.3	3.5	3.6	3.7	3.7	3.7	3.5	3.4
87,5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
2,5°	267.8	268.1	268.4	268.7	269.0	269.1	251.7	249.8	248.0	246.2	244.3	242.6	240.9
5,0°	275.6	275.9	276.3	276.7	277.0	277.2	248.2	244.0	239.6	235.0	230.4	225.8	221.2
7,5°	275.3	275.0	274.9	275.0	275.2	275.3	244.1	237.5	230.3	222.6	214.9	207.0	199.0
10,0°	266.2	264.6	263.6	263.3	263.3	263.4	239.2	230.0	219.9	209.1	197.8	186.7	175.8
12,5°	248.8	245.9	244.1	243.2	242.9	242.8	233.0	221.3	208.1	194.3	180.0	166.3	153.4
15,0°	229.0	225.2	222.6	221.2	220.6	220.5	225.8	211.4	195.4	178.7	162.2	147.1	133.8
17,5°	208.9	204.9	202.1	200.5	199.8	199.6	218.1	201.1	182.2	163.2	145.3	130.0	118.1
20,0°	194.2	190.6	188.5	187.4	186.9	186.9	210.5	191.0	169.3	148.6	130.5	116.8	108.2
22,5°	184.6	183.4	183.1	183.6	184.2	184.5	203.2	181.1	157.2	135.5	118.4	107.6	102.4
25,0°	183.9	185.6	187.8	190.6	192.6	193.2	196.4	171.4	145.9	124.0	108.9	101.9	98.7
27,5°	191.2	195.9	201.2	207.0	210.4	211.0	189.8	162.2	135.0	114.2	102.5	98.0	95.9
30,0°	205.1	213.5	222.6	232.7	237.7	236.4	180.8	151.5	124.3	105.4	97.8	94.9	93.3
32,5°	230.0	245.0	259.2	272.2	276.6	274.1	173.5	141.9	114.7	99.0	94.1	92.1	89.3
35,0°	266.1	285.6	303.5	314.0	314.9	314.8	166.4	132.6	105.7	94.0	90.6	87.5	77.7
37,5°	302.9	322.5	336.8	344.3	344.8	346.7	159.8	124.3	99.1	90.5	86.2	78.6	69.8
40,0°	334.1	349.7	360.6	366.5	368.0	370.1	152.8	115.7	93.0	86.9	78.0	69.3	66.7
42,5°	355.7	366.5	373.9	378.8	379.7	380.7	146.0	108.2	88.4	83.7	69.4	64.4	64.2
45,0°	355.2	361.7	368.1	374.9	377.3	378.9	139.2	100.1	84.1	80.3	63.5	61.4	61.9
47,5°	355.8	364.3	376.0	391.6	399.1	402.5	134.3	94.7	80.7	77.3	60.3	58.8	59.5
50,0°	364.3	384.7	407.6	433.1	445.9	450.5	128.9	89.3	77.4	74.2	56.6	56.3	56.6
52,5°	395.5	433.8	469.8	502.4	520.5	526.0	127.0	85.5	75.0	71.2	53.7	53.7	53.9
55,0°	451.6	493.4	531.1	562.3	577.5	583.0	126.6	82.7	72.8	68.1	50.9	50.9	51.5
57,5°	505.1	534.7	563.2	583.5	589.7	591.1	130.5	81.8	71.5	64.9	48.4	48.1	48.7
60,0°	537.9	535.5	550.7	566.1	568.8	571.0	143.7	83.2	71.6	61.8	46.4	45.4	46.3
62,5°	527.1	495.6	493.1	496.9	491.8	489.6	180.3	94.3	75.5	63.3	49.3	45.8	44.7
65,0°	459.5	401.3	379.6	368.7	351.4	352.1	243.0	118.3	84.1	70.3	61.3	55.1	48.7
67,5°	338.8	284.5	225.0	197.5	181.3	179.9	221.0	113.9	83.3	72.8	66.8	59.9	55.6
70,0°	242.2	200.8	99.2	72.0	66.9	70.0	138.6	70.9	68.1	65.0	60.1	57.1	54.6
72,5°	153.6	125.3	46.7	33.4	33.1	33.4	51.7	32.6	30.8	31.9	33.7	38.5	41.9
75,0°	88.5	70.5	31.8	25.1	24.4	24.4	24.5	22.0	22.0	21.9	22.6	24.1	25.8
77,5°	35.9	33.1	21.4	17.3	16.4	16.6	16.0	15.4	16.0	16.0	16.6	17.6	18.8
80,0°	18.9	16.9	12.5	11.1	10.6	10.6	11.8	10.4	10.4	10.7	11.3	11.9	12.5
82,5°	11.3	9.5	6.6	5.8	5.4	5.4	6.5	5.9	6.2	6.6	7.1	7.3	7.5
85,0°	3.2	2.9	2.4	2.2	2.1	2.0	2.7	2.7	3.0	3.3	3.4	3.6	3.6
87,5°	0.8	0.8	0.8	0.8	0.9	0.9	1.1	1.2	1.2	1.2	1.3	1.3	1.3
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°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	0.4	0.4
2,5°	239.2	237.4	235.7	234.3	233.0	231.9	230.8	229.9	229.2	228.9	228.8	3.0	3.4
5,0°	216.6	212.2	208.0	204.2	200.8	198.0	195.3	193.3	191.8	191.1	190.8	5.8	9.2
7,5°	191.3	184.0	177.3	171.3	166.0	161.5	157.7	154.8	152.7	151.6	151.2	8.2	17.4
10,0°	165.6	156.3	148.0	140.8	134.8	129.9	126.0	123.1	121.2	120.1	119.8	10.3	27.7
12,5°	141.7	131.9	123.8	117.4	112.5	109.1	106.7	105.1	104.1	103.5	103.2	12.0	39.7
15,0°	123.0	114.7	109.2	105.6	103.1	101.2	99.7	98.5	97.8	97.3	97.2	13.5	53.2
17,5°	110.2	105.7	102.7	100.5	98.6	97.1	95.7	94.7	94.1	93.6	93.4	14.7	67.9
20,0°	103.7	101.0	99.1	97.4	95.9	94.4	93.1	92.2	91.5	91.1	90.8	15.9	83.8
22,5°	99.7	97.8	96.4	95.1	93.8	92.5	91.1	89.6	89.2	89.1	89.1	17.1	100.9
25,0°	96.8	95.4	94.0	93.1	91.4	85.6	79.7	77.9	77.3	76.9	76.6	18.2	119.1
27,5°	94.3	91.9	89.6	84.7	75.7	71.6	70.1	69.0	68.2	67.7	67.4	19.5	138.6
30,0°	88.9	83.4	79.2	72.9	71.1	70.3	69.5	68.7	67.9	67.3	67.0	21.0	159.6
32,5°	78.1	73.8	71.5	70.7	70.3	69.5	68.1	66.7	65.4	64.4	64.0	22.9	182.5
35,0°	70.8	70.1	69.9	69.6	68.3	66.7	65.1	63.9	62.8	62.1	61.7	25.1	207.6
37,5°	68.6	68.4	68.2	66.9	65.5	64.6	63.7	62.7	61.7	60.7	60.2	27.5	235.1
40,0°	66.6	66.6	65.6	64.6	64.0	63.2	62.6	61.9	60.8	59.7	59.0	30.0	265.1
42,5°	64.7	64.2	63.9	63.6	63.2	62.6	62.3	62.0	61.2	59.9	59.0	32.3	297.4
45,0°	62.3	62.5	62.8	62.7	63.0	63.3	63.4	63.0	62.3	61.0	59.9	34.0	331.4
47,5°	60.2	61.2	61.9	62.5	63.8	64.1	64.6	64.7	64.3	63.1	62.2	36.2	367.6
50,0°	57.7	59.3	61.1	62.1	64.0	65.2	66.6	67.6	67.6	66.6	66.0	39.4	407.0
52,5°	55.2	57.1	59.3	61.1	63.9	67.1	70.6	73.2	73.6	72.9	72.2	44.1	451.1
55,0°	52.8	54.9	57.6	60.6	64.8	70.4	76.4	80.6	80.3	79.6	79.1	49.5	500.6
57,5°	50.5	52.7	56.2	60.6	66.5	74.0	82.1	86.7	86.3	85.6	84.1	55.7	556.3
60,0°	48.1	50.9	55.3	61.1	68.7	77.7	86.5	89.1	88.1	86.8	85.9	63.4	619.7
62,5°	46.1	49.1	54.2	61.1	69.2	77.8	85.6	89.4	87.8	86.1	85.2	74.4	694.1
65,0°	46.4	48.2	53.2	60.1	68.5	76.8	83.7	86.3	83.9	82.0	81.1	84.5	778.5
67,5°	52.5	52.0	52.1	57.7	65.3	72.5	78.4	80.0	76.9	74.9	74.0	82.2	860.7
70,0°	54.5	58.5	57.0	53.9	59.7	65.6	69.8	70.5	67.6	65.1	64.4	69.4	930.2
72,5°	52.2	57.1	55.0	50.9	51.3	55.5	58.3	58.3	55.1	53.4	54.1	39.8	969.9
75,0°	28.6	36.9	40.3	39.0	41.6	44.9	46.8	46.1	43.2	41.5	42.5	15.6	985.6
77,5°	20.4	22.6	25.3	28.0	30.9	33.4	34.8	33.4	31.1	29.8	29.9	7.0	992.5
80,0°	13.6	15.1	17.0	19.0	21.0	22.4	23.0	21.8	20.4	19.5	19.3	4.0	996.5
82,5°	8.0	8.7	9.6	10.5	11.0	11.5	11.5	11.1	10.4	10.1	10.0	2.2	998.8
85,0°	3.6	3.8	4.1	4.4	4.7	5.0	5.2	5.0	4.7	4.6	4.5	1.0	999.7
87,5°	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.3	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: 5XA7672B1D1AC EAN: 4058352220894	LP number 58553_5
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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	4930	51.0
95	239	252	4684	48.1
90	224	250	4437	45.2
85	211	247	4191	42.4
80	197	245	3944	39.8
75	182	242	3698	37.1
70	169	239	3451	34.5
65	157	236	3205	31.7
60	143	233	2958	29.3
55	130	230	2712	26.8
50	117	226	2465	24.4
45	104	222	2219	22.1
40	93	217	1972	19.7
35	81	212	1726	17.4
30	69	206	1479	15.2
25	57	199	1233	13.0
20	45	191	986	10.9
15	34	180	739	8.8