

Photometric test report

Family
Floodlight 20 midi LED

Order number: 5XA7682G2A1KC
EAN: 4058352234785

LP number
58576_23



Version mounting bracket
Optic asymmetric distribution PL43
Cover toughened safety glass
Lamps 1 x LED 4000K / CRI ≥ 70
(unbekannt LED 4000K / CRI = 70)
Controlgear ECG-DALI
Rated values Net luminous flux = 38700 lm
Power consumption = 305.7 W
Luminous efficacy = 126.6 lm/W

serial
documentation
25.08.2021

siteco

Luminous intensity in cd/klm

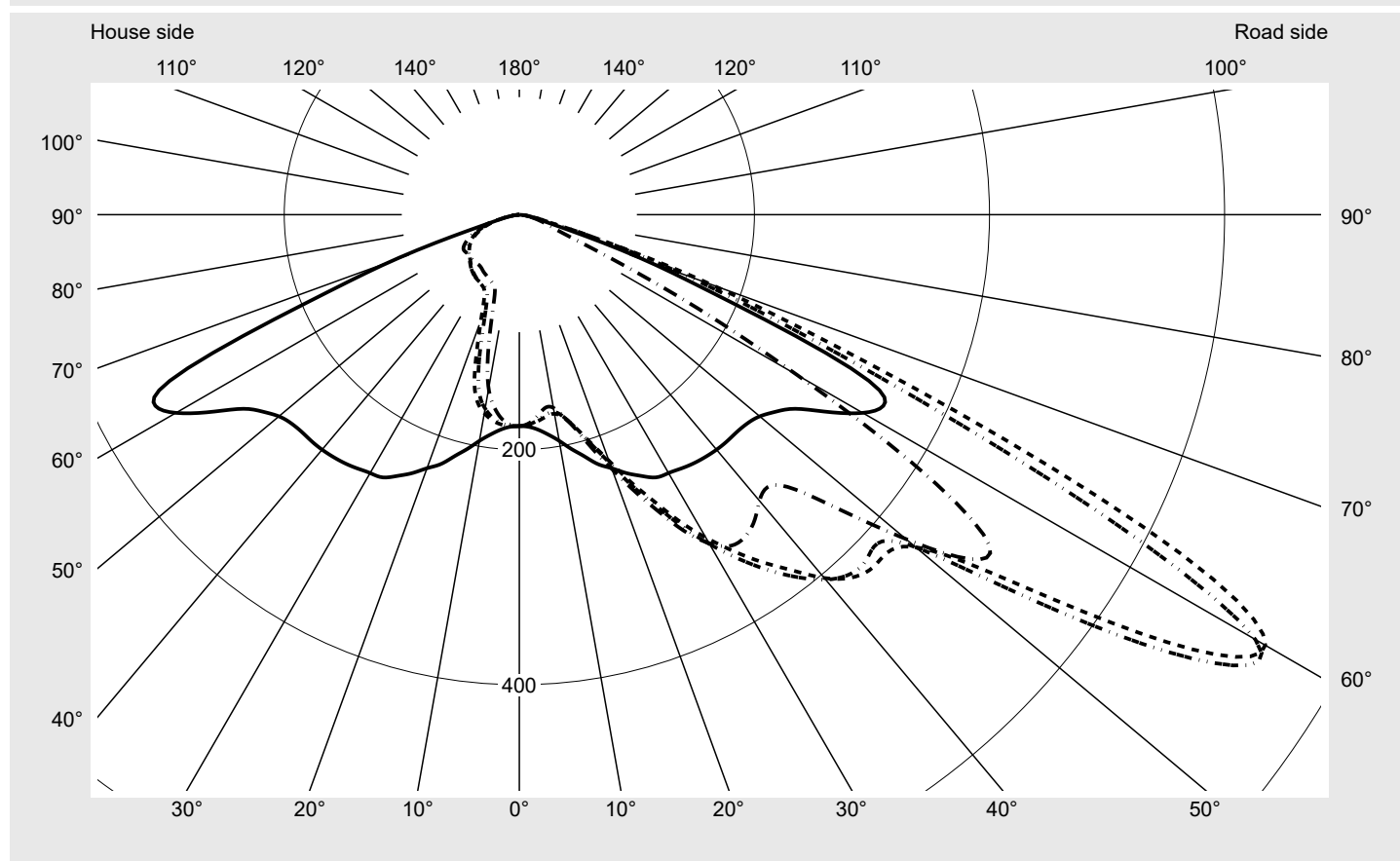
C180-0

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

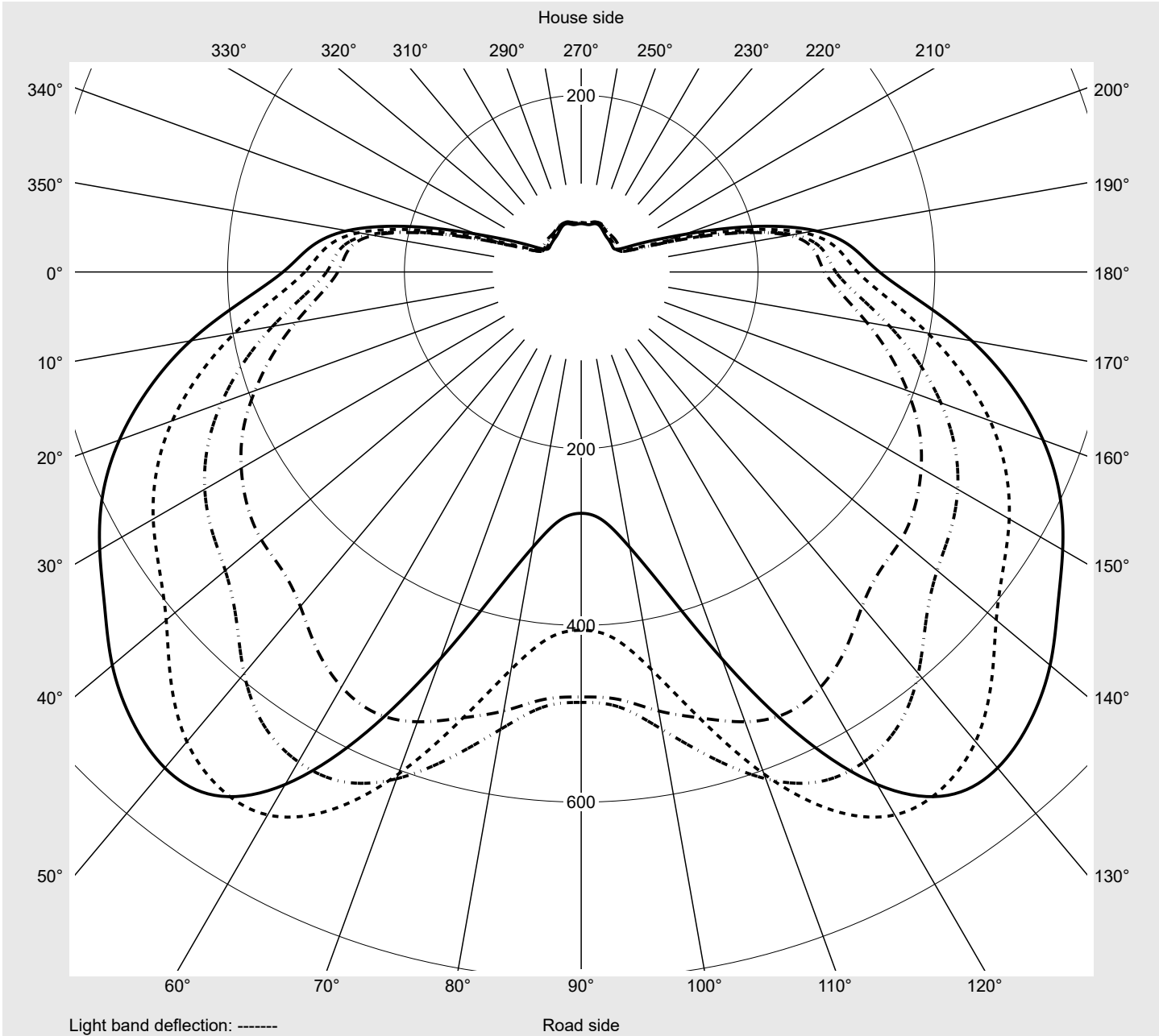
Measurement conditions

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 midi LED	Order number: 5XA7682G2A1KC EAN: 4058352234785	LP number 58576_23
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Dimming levels table environmental temperature: 25°C

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	38700	305.7
95	237	252	36765	286.2
90	223	249	34830	267.8
85	209	247	32895	250.2
80	194	244	30960	232.5
75	178	241	29025	215.6
70	166	239	27090	199.7
65	154	235	25155	184.1
60	141	232	23220	168.7
55	127	228	21285	153.8
50	113	224	19350	139.5
45	100	220	17415	125.3
40	89	216	15480	111.7
35	77	210	13545	98.0
30	65	204	11610	84.7
25	54	197	9675	71.9
20	43	189	7740	59.5
15	32	178	5804	47.5

Dimming levels table environmental temperature: 10°C

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	39400	307.8
95	237	252	37430	288.2
90	223	249	35460	269.6
85	209	247	33490	251.9
80	194	244	31520	234.1
75	178	241	29550	217.1
70	166	239	27580	201.1
65	154	235	25610	185.4
60	141	232	23640	169.9
55	127	228	21670	154.9
50	113	224	19700	140.5
45	100	220	17730	126.2
40	89	216	15760	112.5
35	77	210	13790	98.7
30	65	204	11820	85.3
25	54	197	9850	72.4
20	43	189	7880	59.9
15	32	178	5909	47.8

Photometric test report

Family Floodlight 20 midi LED	Order number: 5XA7682G2A1KC EAN: 4058352234785	LP number 58576_23
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	38700.0	305.7
10.0	39400.0	307.8