

Photometric test report

Family
Floodlight 20 midi LED

Order number: 5XA7682D1D2AC
EAN: 4058352222553

LP number
58577_2



Version bracket for wall fastening
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 = 14130 lm
 Power consumption = 142.0 W
 Luminous efficacy = 99.5 lm/W

serial
documentation
25.08.2021

siteco

Luminous intensity in cd/klm

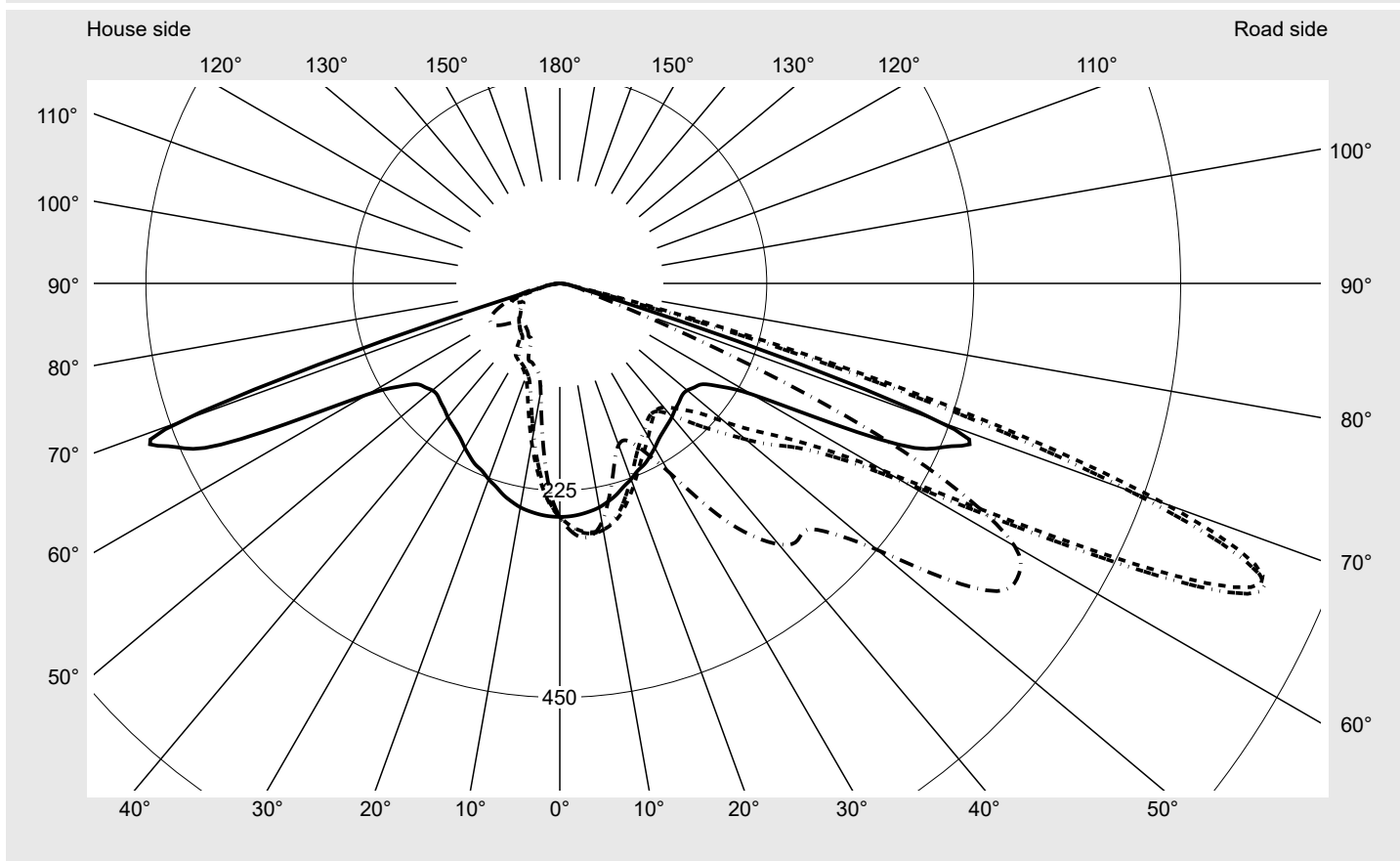
C180-0

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

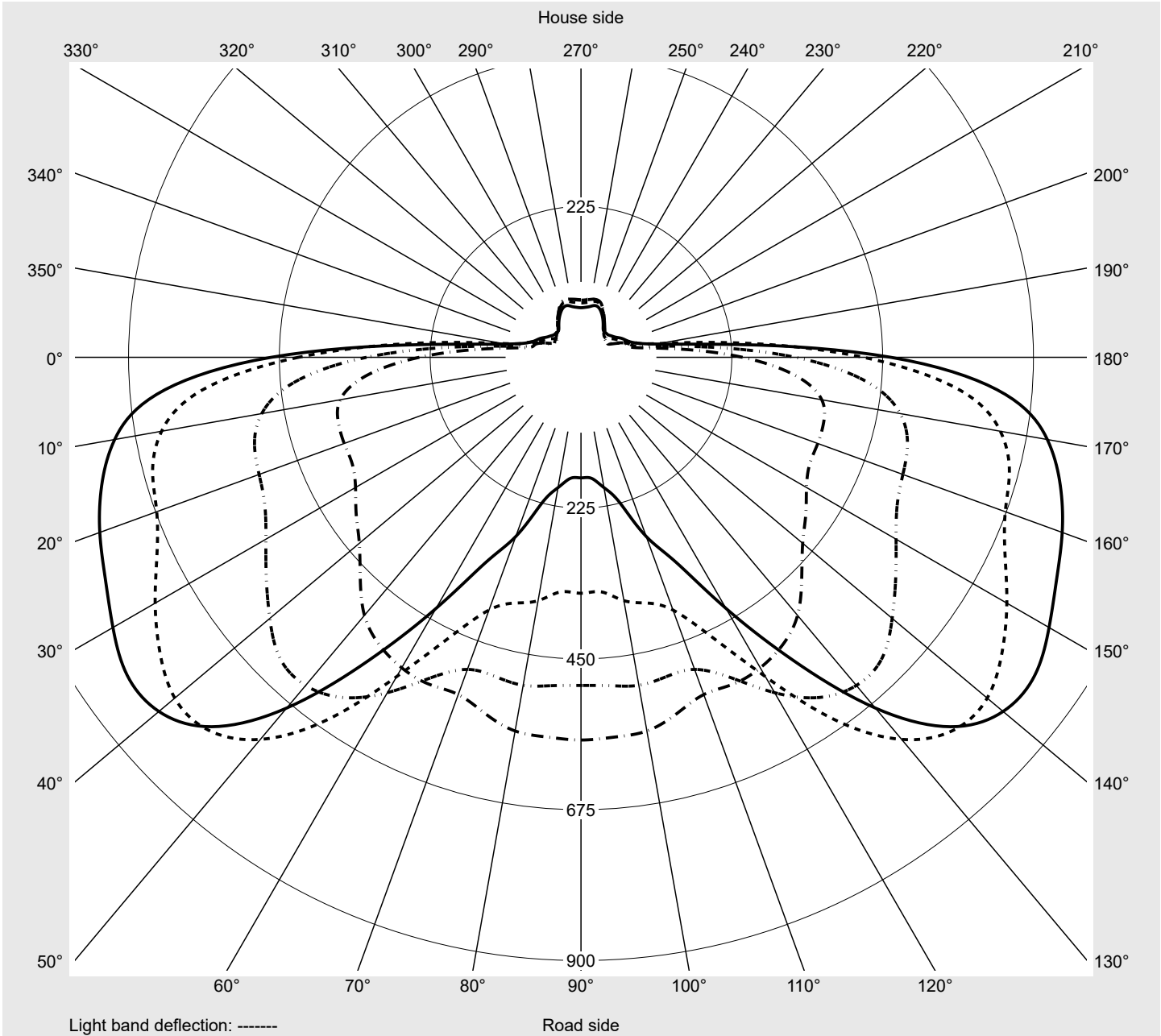
Measurement conditions

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 midi LED	Order number: 5XA7682D1D2AC EAN: 4058352222553	LP number 58577_2
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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	14130	142.0
95	241	252	13424	134.1
90	226	250	12717	126.2
85	211	247	12011	118.6
80	197	245	11304	111.1
75	185	242	10598	103.6
70	171	239	9891	96.3
65	157	236	9185	89.2
60	144	233	8478	82.2
55	130	230	7772	75.4
50	118	226	7065	68.6
45	106	222	6359	61.9
40	94	217	5652	55.3
35	81	212	4946	48.9
30	69	206	4239	42.6
25	57	199	3533	36.4
20	45	191	2826	30.3
15	34	181	2119	24.2