



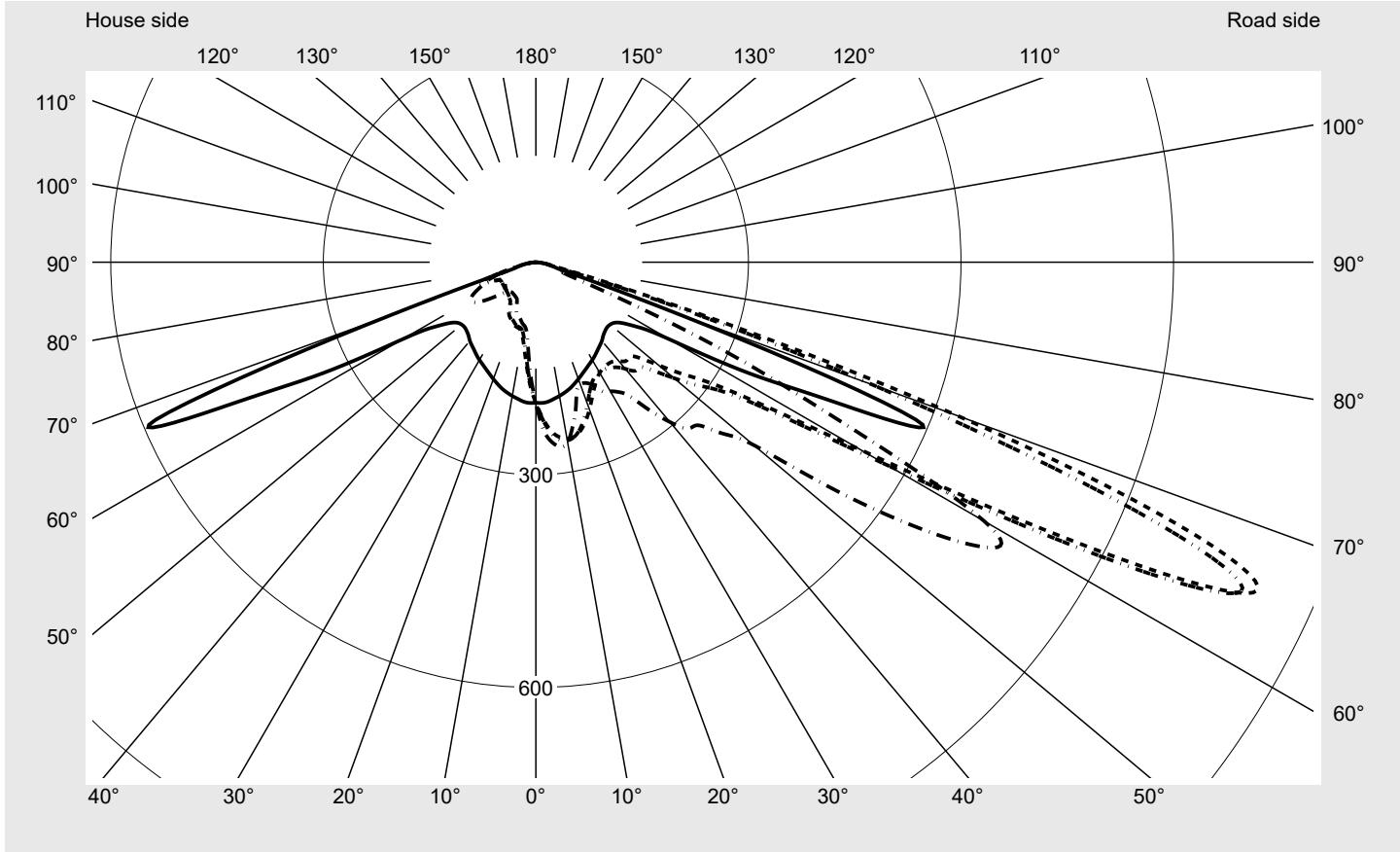
# Photometric test report

<b>Family</b> <b>Floodlight FL11</b>	<b>Order number: 5XA779127D01AA</b> <b>EAN: 4058352770801</b>	<b>LP number</b> <b>59241_42</b>
	<b>Version</b> standard bracket <b>Optic</b> asymmetric distribution PL52 <b>Cover</b> toughened safety glass <b>Lamps</b> LED 5000 K   CRI ≥ 70 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Ta = 10 °C Net luminous flux = 173640 lm Power consumption = 1425.5 W Luminous efficacy = 121.8 lm/W	<b>serial documentation</b> <b>02.11.2023</b>





**Luminous intensity in cd/klm** C180-0 C220-40 C225-45 C270-90 **Imax: 1105 cd/klm**



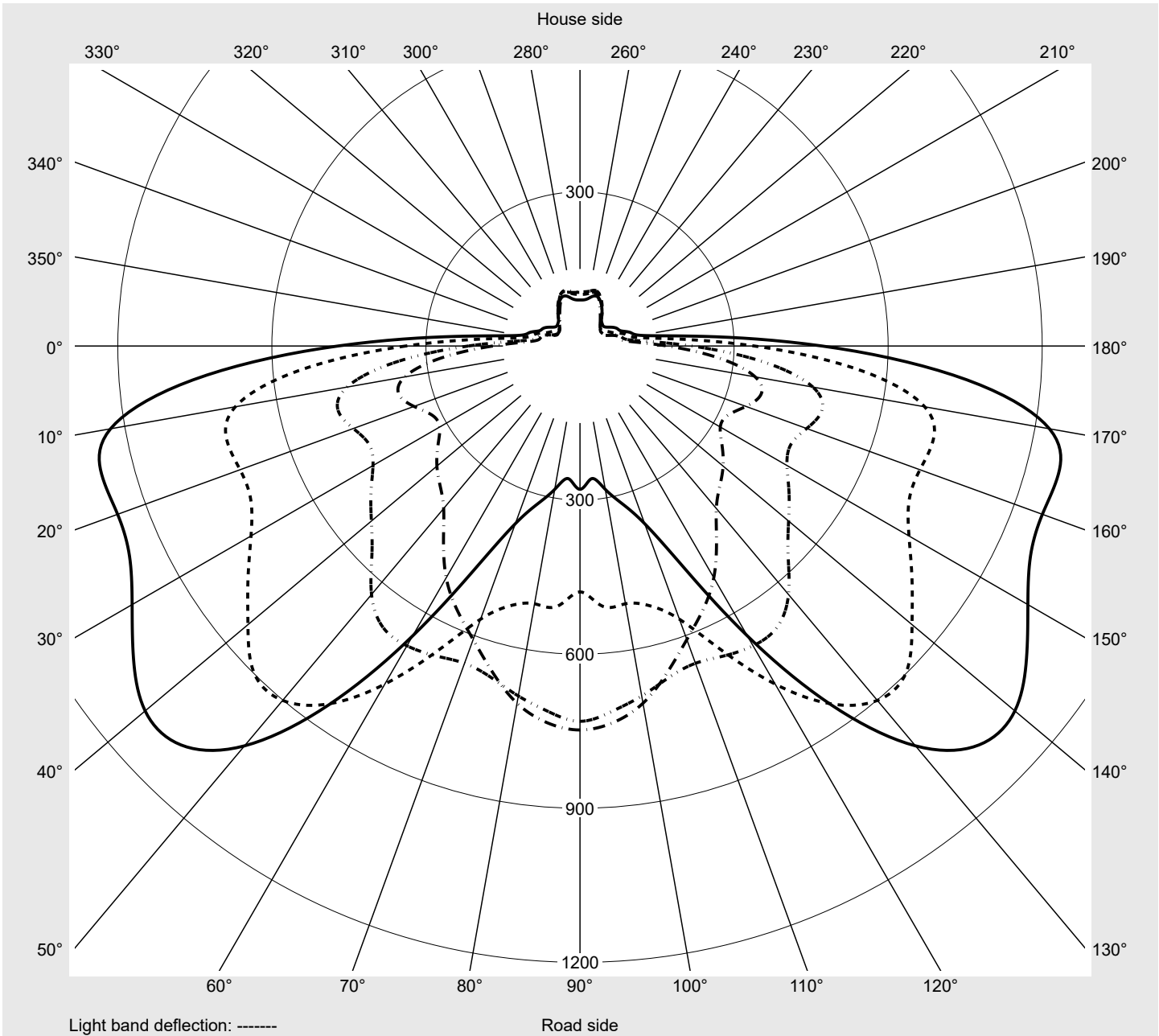
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	749.2
Imax 80°	33.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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**Envelope curve in cd/klm**      **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**      **siteco**



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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4
2,5°	198.7	201.8	204.8	207.9	210.5	213.1	215.6	218.0	220.0	222.1	223.9	225.2	226.6
5,0°	197.5	203.9	210.1	215.9	221.0	226.1	230.5	234.7	238.2	241.5	244.4	246.7	248.8
7,5°	194.5	204.0	212.8	220.8	227.9	234.4	239.8	244.7	248.5	251.9	254.7	256.6	258.2
10,0°	191.6	203.6	214.7	224.5	232.6	239.7	245.3	249.8	253.0	255.4	256.9	257.5	257.7
12,5°	188.3	202.7	215.6	226.6	235.2	242.2	247.1	250.3	251.7	252.0	251.1	249.3	247.1
15,0°	184.6	201.1	215.3	227.2	236.0	242.1	245.5	246.5	245.4	242.6	238.7	234.1	229.5
17,5°	180.1	198.7	214.3	226.4	234.7	239.4	240.6	238.8	234.4	228.4	221.6	215.0	208.9
20,0°	175.5	196.0	212.6	225.0	232.3	235.0	233.5	228.5	221.2	212.9	204.8	197.9	192.3
22,5°	170.8	193.2	210.9	223.1	229.2	229.5	225.0	216.9	207.2	198.1	190.9	186.0	183.2
25,0°	166.5	190.8	209.5	221.4	226.0	223.6	216.2	205.7	195.3	187.5	183.1	181.8	182.9
27,5°	162.6	188.9	208.7	220.2	223.0	217.9	207.4	195.5	186.2	181.2	181.1	184.8	190.2
30,0°	159.3	187.6	208.7	219.9	220.9	213.2	200.6	188.1	180.3	178.9	183.9	192.4	200.6
32,5°	155.6	186.4	208.9	219.9	219.2	209.1	195.1	182.6	176.9	179.4	188.7	200.9	210.7
35,0°	151.7	185.0	209.5	220.7	218.2	205.8	190.5	178.9	176.0	182.1	194.6	208.8	219.8
37,5°	148.2	184.6	210.6	222.0	217.8	203.0	187.2	177.0	177.0	186.9	202.3	219.6	234.1
40,0°	144.9	183.9	212.1	223.7	218.0	202.1	186.1	178.0	182.1	196.4	216.1	237.1	256.9
42,5°	140.7	183.2	213.9	225.3	218.0	200.6	184.8	179.7	188.7	207.7	230.6	252.9	273.8
45,0°	137.8	184.0	217.3	228.0	217.6	196.8	179.6	176.1	187.8	209.2	234.2	258.2	278.2
47,5°	136.2	188.2	224.9	235.1	222.0	198.5	182.2	183.4	200.9	227.5	253.2	274.4	292.0
50,0°	136.9	195.8	237.5	249.0	234.0	209.5	195.4	202.1	226.1	254.5	277.3	293.1	307.0
52,5°	140.3	208.3	256.9	270.1	254.2	229.3	218.2	230.9	257.7	284.1	301.5	311.8	324.9
55,0°	150.0	230.6	289.0	303.9	285.4	259.2	250.9	267.2	293.3	315.0	328.7	342.9	377.4
57,5°	169.9	272.7	346.5	364.8	343.9	318.1	315.5	337.7	363.8	385.1	413.0	463.4	521.0
60,0°	217.5	360.1	460.5	487.4	469.7	453.2	465.4	496.9	530.3	572.9	631.6	668.8	674.0
62,5°	339.5	549.8	681.6	711.7	704.4	707.4	739.7	789.2	844.0	898.4	900.8	850.3	760.1
65,0°	471.4	756.3	928.3	964.4	958.1	967.9	1007.0	1061.4	1105.4	1098.6	1016.3	853.0	651.7
67,5°	580.5	784.3	996.7	1047.0	1038.0	1032.0	1044.8	1049.4	1010.6	915.8	763.6	561.5	403.9
70,0°	214.6	443.1	619.1	717.7	749.2	739.5	731.6	704.1	633.2	506.4	378.9	314.3	250.3
72,5°	47.8	71.8	92.0	126.4	207.8	269.5	281.4	276.1	237.2	192.6	177.4	155.1	127.9
75,0°	28.7	31.6	33.7	36.4	44.1	64.2	72.8	73.1	64.5	40.1	61.7	56.1	51.5
77,5°	21.1	22.2	23.2	24.3	26.0	28.7	29.0	28.1	26.6	26.4	28.3	28.1	28.6
80,0°	16.3	15.8	15.8	16.5	17.1	18.1	17.9	17.5	17.5	17.8	17.8	18.0	22.8
82,5°	10.4	9.7	9.8	10.2	10.3	10.5	10.7	10.3	10.3	10.3	10.1	10.1	11.6
85,0°	5.3	4.8	4.8	4.9	4.9	5.0	4.9	4.8	4.6	4.3	4.2	4.0	3.9
87,5°	1.8	1.8	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.3	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

## Photometric test report

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

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°	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4
2,5°	227.8	228.9	229.7	230.2	230.5	235.4	195.7	192.6	189.5	186.4	183.3	180.4	177.7
5,0°	250.5	251.8	252.8	253.5	254.0	254.3	191.1	184.3	177.5	171.0	164.5	158.5	153.0
7,5°	259.5	260.4	261.0	261.4	261.7	262.5	184.9	174.8	164.9	155.3	146.2	138.0	130.6
10,0°	257.6	257.2	256.7	256.3	256.1	258.1	179.0	165.9	153.2	141.4	130.7	121.5	113.7
12,5°	244.8	242.5	240.5	239.0	238.3	238.7	172.8	157.2	142.3	129.2	118.1	109.5	103.1
15,0°	225.2	221.2	218.1	215.8	214.7	216.7	166.7	148.8	132.7	119.2	109.2	102.4	98.4
17,5°	203.8	199.6	196.5	194.5	193.6	191.8	159.7	140.2	123.3	110.8	102.7	98.4	96.4
20,0°	188.3	185.5	183.8	182.9	182.7	183.4	153.1	132.2	115.3	104.2	98.4	96.1	94.5
22,5°	181.8	181.2	181.4	182.1	183.0	184.5	146.4	124.6	108.3	99.1	95.4	93.6	91.3
25,0°	184.8	186.5	188.3	190.5	192.4	192.4	140.5	118.0	102.8	95.7	93.1	90.8	88.2
27,5°	194.5	196.9	199.1	202.3	204.3	206.0	134.7	111.9	98.3	92.9	90.5	87.9	85.5
30,0°	205.5	206.3	207.7	211.1	211.7	210.4	129.5	106.9	94.7	90.7	88.0	85.6	81.4
32,5°	214.6	214.1	215.3	219.3	217.5	217.2	124.3	101.9	91.5	88.2	85.5	82.6	74.4
35,0°	224.3	225.8	231.4	237.6	233.6	230.9	118.8	97.1	88.5	85.5	81.9	75.5	67.3
37,5°	242.5	248.6	257.2	261.7	261.4	262.9	113.6	92.6	85.7	83.0	75.6	67.8	63.3
40,0°	269.5	277.8	286.8	292.2	294.3	294.4	108.8	88.8	83.0	80.1	67.9	62.7	61.4
42,5°	288.1	296.4	305.4	312.4	315.9	318.3	103.7	85.1	80.7	76.5	62.5	60.1	59.5
45,0°	292.4	300.4	310.5	319.5	324.1	325.6	99.1	81.9	78.6	73.3	59.5	58.0	57.6
47,5°	307.0	315.2	326.9	341.7	349.2	358.0	95.5	79.4	76.9	70.2	57.2	56.1	56.1
50,0°	321.7	336.5	356.9	382.5	399.0	401.3	92.9	77.8	75.5	67.2	54.8	54.3	54.6
52,5°	349.2	386.2	431.6	478.4	507.7	518.9	91.7	76.8	74.7	64.5	52.7	52.4	52.9
55,0°	434.8	497.1	555.8	609.9	642.5	646.0	93.1	77.2	74.5	62.1	51.1	50.6	51.3
57,5°	566.7	608.2	657.7	706.3	736.2	747.6	99.1	79.8	75.3	60.4	50.3	49.1	49.8
60,0°	665.6	657.4	668.3	691.9	714.2	730.8	115.8	86.0	79.0	63.0	52.8	49.8	49.2
62,5°	654.2	566.1	523.5	509.6	508.8	478.7	166.6	102.4	89.9	74.1	64.4	58.1	53.1
65,0°	473.0	368.1	318.0	283.4	259.2	279.0	220.3	119.6	101.5	85.7	80.1	72.9	63.9
67,5°	303.2	234.6	127.7	94.1	83.6	72.6	142.4	96.1	89.7	82.1	80.7	77.1	70.6
70,0°	193.4	146.5	58.3	44.8	44.0	44.3	56.4	49.2	49.6	52.8	55.7	59.0	59.5
72,5°	97.7	77.0	42.5	37.4	37.6	37.8	32.8	32.2	32.2	33.2	34.5	37.6	39.2
75,0°	45.7	41.4	34.4	32.5	31.6	32.6	25.8	25.7	25.6	26.2	27.0	28.4	30.1
77,5°	30.7	31.6	27.6	23.6	22.4	21.6	20.5	19.9	19.4	20.0	20.3	21.3	22.5
80,0°	33.4	29.1	19.0	15.7	14.8	15.4	16.2	14.2	13.7	14.1	14.3	14.8	15.0
82,5°	15.5	14.5	10.2	8.8	8.3	8.3	9.7	8.6	8.7	8.8	9.0	8.8	8.7
85,0°	3.8	3.6	3.5	3.4	3.4	3.6	4.5	4.4	4.4	4.4	4.3	4.1	3.9
87,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.7	1.7	1.6	1.6
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

## Photometric test report

<b>Family</b> <b>Floodlight FL11</b>	<b>Order number: 5XA779127D01AA</b> <b>EAN: 4058352770801</b>	<b>LP number</b> <b>59241_42</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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
$\gamma$	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	0.3	0.3
2,5°	175.3	172.9	170.7	168.9	167.2	165.8	164.6	163.7	163.1	162.5	162.7	2.4	2.7
5,0°	147.8	143.2	139.0	135.4	132.4	129.7	127.5	125.9	124.7	124.0	123.9	4.6	7.3
7,5°	124.0	118.4	113.7	109.9	106.8	104.4	102.6	101.3	100.4	99.8	99.6	6.7	13.9
10,0°	107.5	102.7	99.2	96.7	95.0	93.7	92.9	92.3	91.9	91.6	91.5	8.6	22.5
12,5°	98.7	95.8	94.0	92.7	91.7	90.8	90.0	89.3	88.8	88.4	88.2	10.4	32.9
15,0°	96.0	94.3	92.8	91.0	89.2	87.6	86.2	85.2	84.3	83.8	83.6	11.8	44.7
17,5°	94.9	92.9	90.4	88.0	85.9	84.1	82.6	81.5	80.7	80.1	79.9	13.0	57.8
20,0°	92.4	89.9	87.5	85.5	83.6	81.9	80.4	79.2	78.5	78.0	77.8	14.2	72.0
22,5°	88.9	86.9	85.1	83.6	81.4	77.6	75.0	73.4	72.6	72.2	72.0	15.3	87.3
25,0°	86.1	84.2	82.4	78.8	74.1	69.7	66.1	64.7	64.0	63.6	63.4	16.5	103.8
27,5°	82.2	78.7	74.9	70.8	66.1	63.3	61.7	60.3	59.2	58.5	58.2	17.8	121.5
30,0°	75.0	70.4	67.7	65.0	63.5	62.1	60.4	58.9	57.8	57.0	56.7	19.1	140.7
32,5°	67.2	65.2	64.1	63.1	62.1	60.8	59.3	57.9	56.7	56.0	55.6	20.5	161.2
35,0°	64.0	63.3	62.4	61.6	60.9	59.8	58.5	57.2	56.2	55.4	55.0	22.1	183.2
37,5°	62.5	61.7	61.0	60.3	59.8	59.1	57.9	56.7	55.7	54.8	54.4	24.0	207.2
40,0°	60.8	60.3	59.7	59.3	59.0	58.5	57.8	57.0	56.2	55.3	54.8	26.3	233.5
42,5°	59.2	59.0	58.8	58.6	58.6	58.5	58.4	58.3	57.9	57.0	56.3	28.4	261.9
45,0°	57.9	58.2	58.3	58.5	58.8	59.5	60.4	61.2	61.4	60.6	59.9	29.9	291.8
47,5°	56.9	57.7	58.4	59.0	60.2	62.1	64.4	66.4	67.2	66.9	66.3	32.5	324.2
50,0°	55.7	57.2	58.7	60.5	63.0	66.5	71.0	74.6	76.0	76.1	75.8	36.1	360.3
52,5°	54.5	56.6	59.2	62.5	67.0	73.2	80.5	85.6	87.0	87.1	86.9	41.8	402.1
55,0°	53.2	56.1	60.0	65.4	72.4	81.8	91.8	97.7	97.9	97.6	97.6	50.1	452.3
57,5°	52.1	56.0	61.4	68.9	78.7	90.8	102.4	107.7	106.0	104.7	104.5	61.7	514.0
60,0°	51.3	55.7	62.6	72.2	83.7	96.6	108.4	112.2	108.5	106.0	105.6	76.9	590.9
62,5°	52.3	56.2	63.8	74.5	86.6	98.6	108.3	109.7	104.4	101.2	100.6	94.5	685.4
65,0°	59.7	61.2	65.1	74.3	85.2	94.9	101.5	100.6	94.0	90.2	89.6	105.6	791.0
67,5°	70.8	76.7	70.4	71.4	78.8	84.4	87.9	86.4	81.3	78.6	78.3	95.5	886.4
70,0°	69.5	84.7	76.7	65.7	68.6	73.5	76.3	74.7	70.1	67.6	67.4	61.9	948.4
72,5°	47.4	61.9	61.1	56.0	57.7	60.7	61.9	59.8	55.2	53.4	54.3	24.8	973.2
75,0°	31.9	36.3	40.3	42.5	47.6	45.9	45.5	43.5	40.1	38.7	40.0	10.9	984.1
77,5°	23.8	26.0	28.0	29.4	31.1	32.7	33.1	31.2	28.5	27.1	28.0	7.0	991.0
80,0°	15.7	16.7	17.9	18.7	18.9	19.5	19.8	18.6	17.3	16.5	16.4	4.8	995.8
82,5°	8.8	9.1	9.6	9.4	9.7	10.0	9.5	8.6	7.8	7.4	7.3	2.7	998.5
85,0°	3.9	3.8	3.7	3.5	3.2	2.9	2.8	2.8	2.7	2.7	2.7	1.1	999.6
87,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	0.4	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

## Photometric test report

Family <b>Floodlight FL11</b>	Order number: <b>5XA779127D01AA</b> EAN: <b>4058352770801</b>	LP number <b>59241_42</b>
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<b>Dimming levels table</b>	environmental temperature: 10°C	<b>siteco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	173640	1425.5
95	232	251	165145	1297.9
90	213	248	156361	1188.0
85	196	245	147560	1090.3
80	181	242	138993	1003.6
75	167	239	130466	922.5
70	153	235	121864	842.9
65	139	232	112622	764.2
60	127	229	104505	696.9
55	115	225	95498	629.9
50	103	221	87037	563.3
45	90	216	77783	491.7
40	79	211	69082	431.9
35	69	206	60969	377.6
30	58	200	51982	317.3
25	47	192	43435	258.0
20	38	184	34884	210.5
15	28	173	26231	157.9
10	19	159	17646	111.2
5	9	132	8879	59.2
1	2	77	2381	21.2

<b>Dimming levels table</b>	environmental temperature: 25°C
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	---	---	---	---
95	---	---	---	---
93	219	249	153811	1214.1
90	209	247	149311	1156.4
85	192	244	140806	1058.7
80	176	241	132567	966.7
75	162	238	124460	886.6
70	149	235	116231	813.3
65	135	231	107591	735.1
60	123	228	99712	668.6
55	112	224	91314	608.1
50	98	219	82671	530.4
45	88	215	74837	476.2
40	77	210	66445	416.8
35	66	205	57773	356.7
30	56	199	49479	303.2
25	46	192	41930	250.0
20	36	183	32827	197.8
15	27	172	25102	151.2
10	18	157	16718	104.4
5	8	127	7914	53.3
1	2	77	2362	20.9

**Photometric test report**

<b>Family</b> <b>Floodlight FL11</b>	<b>Order number: 5XA779127D01AA</b> <b>EAN: 4058352770801</b>	<b>LP number</b> <b>59241_42</b>
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<b>Luminousfluxs table</b>	<b>siteco</b>
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Temperature °C	Luminous flux lm	Power consumption W
10.0	173640.0	1425.5
25.0	154370.0	1221.6