

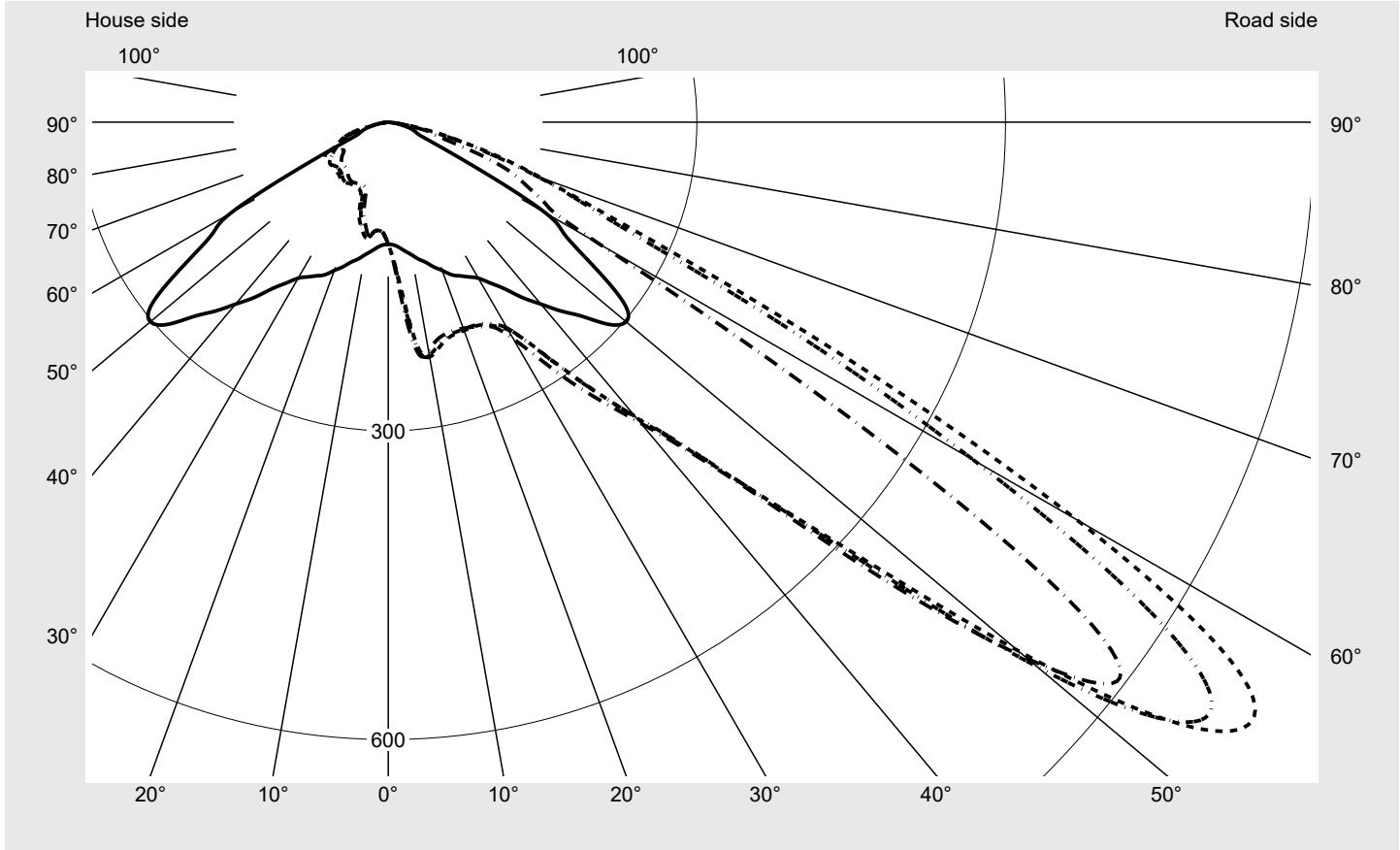
# Photometric test report

<b>Family</b> <b>Floodlight FL11</b>	<b>Order number: 5XA779424V01AA</b> <b>EAN: 4058352977705</b>	<b>LP number</b> <b>59472_19</b>
	<b>Version</b> standard bracket <b>Optic</b> asymmetric distribution PL64 <b>Cover</b> toughened safety glass <b>Lamps</b> LED 5700 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Ta = 10 °C Net luminous flux = 168380 lm Power consumption = 1539.3 W Luminous efficacy = 109.4 lm/W	<b>serial documentation</b> 23.08.2023





**Luminous intensity in cd/klm** C180-0 C240-60 C245-65 C270-90 **Imax: 1021 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°	158.5
Imax 80°	24.0
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

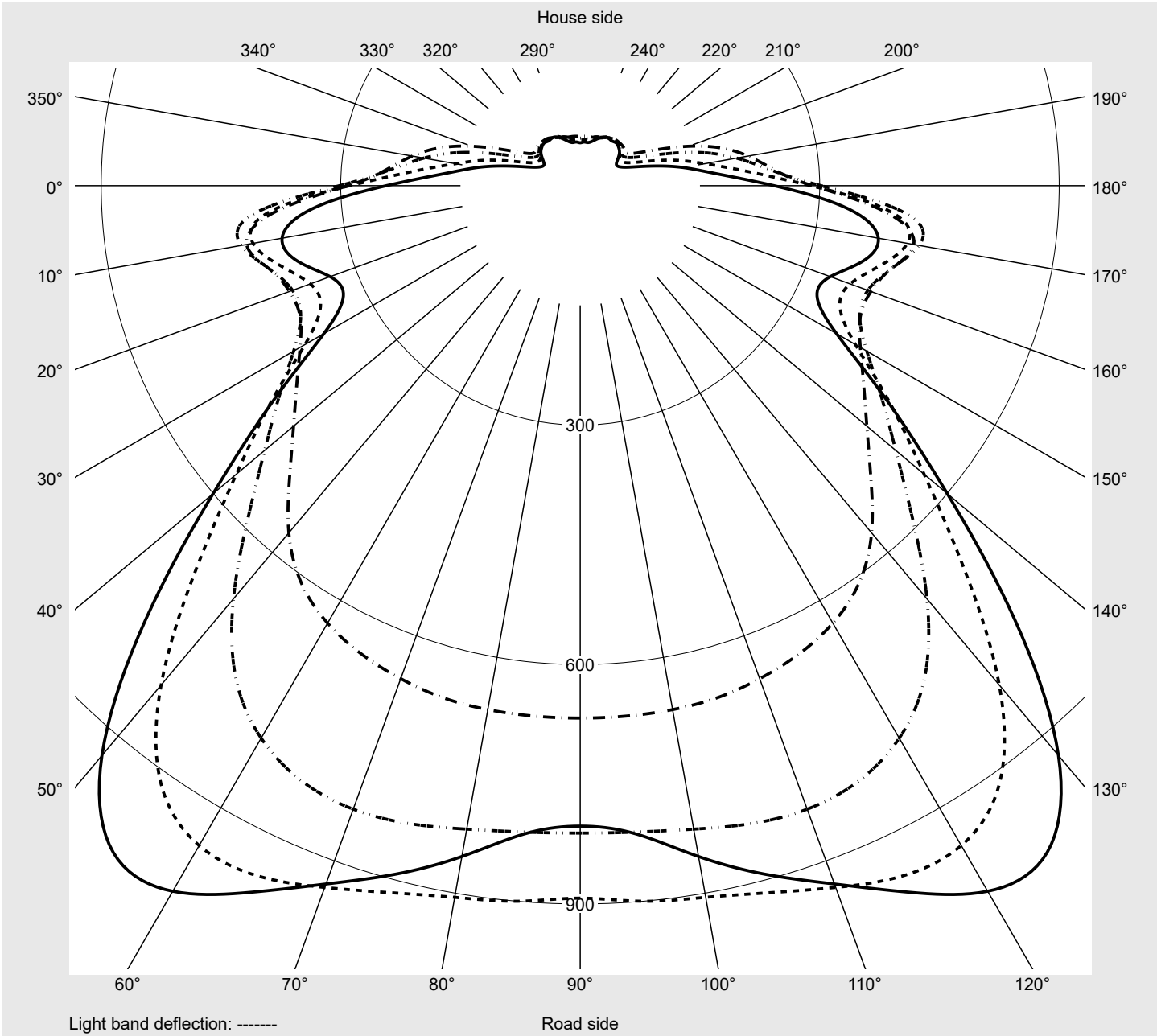
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

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**Envelope curve in cd/klm**      **KMK 55°**    **KMK 52.5°**    **KMK 50°**    **KMK 47.5°**      **siteco**



## Photometric test report

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### Table of values for luminous intensities Maximum luminous intensity

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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7
2,5°	119.5	120.9	122.4	124.1	125.8	127.4	129.0	130.6	132.2	133.6	134.9	135.9	137.0
5,0°	122.3	125.8	129.6	133.3	137.2	141.3	145.4	149.9	154.6	159.2	163.8	168.3	172.8
7,5°	126.5	132.0	138.1	144.5	151.3	159.4	168.6	179.1	190.2	200.5	209.2	215.6	220.2
10,0°	130.9	139.0	147.4	156.8	168.5	183.1	199.3	214.0	224.2	229.7	232.4	232.6	231.8
12,5°	136.3	146.7	157.8	172.0	191.1	212.1	226.7	234.2	236.2	234.5	231.6	228.3	225.3
15,0°	141.0	154.0	168.5	188.5	213.0	230.0	237.6	237.6	233.7	229.4	225.5	221.7	218.7
17,5°	147.6	162.6	180.1	207.1	229.0	239.2	238.8	234.4	229.6	225.5	221.6	218.4	215.9
20,0°	153.4	170.9	193.3	221.5	238.9	242.1	238.4	233.8	229.7	225.5	221.5	218.1	215.5
22,5°	160.5	179.7	207.1	234.4	245.6	244.2	241.1	237.7	233.5	228.3	223.1	218.8	215.5
25,0°	164.8	186.8	218.2	242.9	249.2	248.8	248.2	245.4	239.9	233.1	226.3	220.8	217.3
27,5°	169.6	194.1	227.7	248.3	253.8	257.5	259.1	255.6	248.6	240.1	232.1	226.6	223.3
30,0°	175.1	202.7	236.8	254.3	261.8	269.1	271.2	266.8	258.7	250.0	243.1	237.3	233.0
32,5°	185.6	216.2	250.3	266.9	276.4	284.4	285.7	279.4	271.3	265.4	260.3	255.3	254.0
35,0°	198.0	233.3	269.0	286.5	299.5	305.4	301.8	293.4	289.7	288.9	288.0	288.1	288.1
37,5°	215.2	255.7	292.3	314.0	330.8	328.0	314.6	310.7	315.3	321.3	326.6	328.3	328.4
40,0°	230.8	280.3	323.6	349.8	357.7	344.6	332.6	335.8	347.0	361.7	372.5	376.1	375.0
42,5°	249.1	308.5	362.0	378.6	371.0	360.8	358.1	365.9	384.0	406.1	425.1	432.5	430.8
45,0°	267.0	343.3	395.4	393.0	380.0	376.1	384.1	400.6	425.2	456.4	489.1	508.7	514.6
47,5°	290.9	385.2	424.4	403.1	387.5	387.2	405.2	433.4	468.7	514.7	567.8	608.5	632.9
50,0°	301.8	411.6	431.0	402.8	383.5	386.3	414.5	460.4	516.0	588.4	675.8	752.3	799.3
52,5°	288.8	393.5	416.1	388.3	359.8	358.9	398.1	473.0	562.4	681.0	816.7	915.4	954.6
55,0°	242.9	338.1	379.2	366.2	333.3	327.3	370.8	469.1	600.3	770.6	932.0	1019.8	1020.8
57,5°	203.2	264.4	322.8	325.6	307.1	308.2	353.7	473.3	645.9	816.0	952.7	1011.0	967.8
60,0°	176.9	218.8	282.7	301.7	302.6	320.1	369.6	512.6	680.9	794.2	870.1	863.1	772.6
62,5°	100.6	147.9	213.6	250.4	276.8	321.6	416.7	580.8	682.3	701.5	658.3	589.3	526.4
65,0°	52.2	75.3	126.0	166.1	202.5	264.7	379.0	503.6	557.9	482.0	403.1	361.8	327.9
67,5°	33.4	45.5	77.7	114.5	140.6	173.8	233.5	302.4	314.1	261.9	219.3	214.6	215.7
70,0°	28.7	34.1	45.8	69.0	93.0	107.1	129.9	149.4	153.2	125.9	115.4	137.6	158.5
72,5°	25.2	28.2	29.2	34.1	48.0	59.5	67.5	60.0	40.3	46.0	63.2	93.8	115.2
75,0°	20.6	22.2	23.2	28.6	30.2	39.7	42.5	26.8	29.1	36.0	44.1	60.6	76.0
77,5°	14.1	15.7	16.9	21.3	23.0	28.4	27.9	21.0	21.6	26.1	29.9	41.2	49.7
80,0°	9.2	10.0	12.2	14.4	17.3	18.2	18.2	15.6	14.4	17.4	17.5	22.6	24.0
82,5°	5.5	6.1	8.1	9.6	11.7	12.6	11.7	10.1	8.6	9.8	9.7	9.9	10.0
85,0°	2.5	3.0	4.2	5.3	6.0	6.3	5.6	4.6	3.6	2.8	2.7	2.8	3.0
87,5°	0.9	1.1	1.3	1.4	1.5	1.4	1.2	1.0	0.9	0.8	0.9	0.9	0.9
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: 5XA779424V01AA</b> <b>EAN: 4058352977705</b>	<b>LP number</b> <b>59472_19</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

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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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7
2,5°	138.0	138.7	139.3	140.0	140.8	140.9	117.9	116.5	115.3	114.2	113.1	112.3	111.5
5,0°	176.8	180.1	183.0	185.2	187.0	187.5	119.2	116.4	114.1	112.2	110.6	109.4	108.5
7,5°	223.1	225.2	226.1	226.7	227.2	227.5	121.5	117.5	114.4	112.0	110.5	109.5	108.6
10,0°	230.2	228.7	227.2	226.2	225.6	225.7	124.0	118.8	115.2	113.0	111.5	110.5	109.9
12,5°	222.6	220.6	218.9	217.8	217.0	217.1	127.0	120.4	116.4	114.3	113.1	113.5	115.7
15,0°	216.5	215.1	214.1	213.3	212.9	213.3	129.6	121.8	117.7	115.8	116.6	119.5	120.5
17,5°	214.4	213.4	212.7	212.3	212.1	212.5	133.2	124.3	119.9	119.3	122.7	123.3	120.9
20,0°	214.1	213.6	213.2	213.0	213.1	213.3	137.1	127.4	123.4	126.6	126.9	123.9	116.6
22,5°	214.3	214.4	214.7	215.0	215.1	215.5	141.6	131.5	130.1	133.5	129.8	121.1	112.4
25,0°	216.2	216.9	218.0	218.7	219.0	219.2	144.8	135.6	139.1	137.9	129.9	118.0	107.7
27,5°	221.4	221.4	222.7	224.2	224.9	225.3	148.8	141.1	148.2	141.8	128.2	114.5	99.6
30,0°	231.3	233.0	236.6	240.1	242.2	243.1	154.8	149.7	156.9	144.7	125.6	108.0	89.9
32,5°	254.6	257.7	262.7	267.4	270.4	271.7	164.4	162.0	166.2	147.7	123.8	99.9	84.5
35,0°	289.2	292.3	297.4	302.4	305.8	307.3	176.3	176.8	173.6	149.1	120.8	94.1	82.0
37,5°	329.5	331.1	334.3	338.5	341.3	342.6	189.7	187.5	178.7	151.6	120.7	94.9	82.2
40,0°	373.3	373.3	375.2	378.3	380.7	381.9	201.5	195.6	181.9	155.8	121.6	97.2	83.0
42,5°	427.9	427.5	429.7	432.8	434.9	435.9	213.0	203.0	186.2	161.1	124.4	97.5	82.2
45,0°	515.9	516.7	519.4	522.7	524.5	524.6	228.5	211.1	186.6	157.6	119.9	91.7	77.6
47,5°	647.7	657.3	664.1	666.6	667.1	667.1	241.9	213.6	182.8	144.4	107.2	82.1	71.3
50,0°	823.6	831.4	827.5	818.7	812.9	811.2	237.2	198.9	160.0	117.9	86.6	70.6	65.1
52,5°	954.4	935.7	917.1	905.4	900.0	892.7	208.7	158.6	123.3	89.3	68.1	60.6	60.6
55,0°	976.9	931.1	893.0	853.5	815.6	802.4	171.6	131.0	95.0	68.3	55.6	52.4	57.3
57,5°	866.1	761.2	674.8	597.6	539.1	514.3	155.1	115.7	79.1	56.8	48.7	47.5	53.9
60,0°	657.6	553.5	435.7	331.3	258.5	238.3	137.5	95.3	65.7	50.4	43.4	44.7	50.5
62,5°	454.3	354.9	248.8	185.2	174.2	172.9	91.7	61.1	55.6	46.0	39.3	39.9	45.7
65,0°	283.3	224.2	165.4	154.7	151.8	150.6	55.4	44.9	47.1	42.1	36.8	36.0	39.7
67,5°	203.8	163.6	142.4	137.1	134.0	131.8	39.2	38.4	38.9	37.8	35.3	33.6	35.9
70,0°	154.3	127.7	119.4	113.4	105.6	101.9	29.8	33.0	35.2	34.9	32.9	30.9	33.4
72,5°	107.0	89.2	82.5	76.1	68.1	64.5	24.7	26.7	29.6	29.3	27.7	26.7	28.3
75,0°	73.6	60.1	54.2	53.5	49.0	46.2	21.4	23.0	23.8	23.4	22.6	21.8	21.8
77,5°	43.5	36.8	35.5	41.0	40.5	37.4	15.8	17.8	17.7	16.9	17.1	16.0	15.3
80,0°	22.6	21.6	21.1	23.7	20.1	17.7	10.0	11.6	11.6	11.4	11.2	10.3	9.6
82,5°	9.7	9.3	9.3	9.6	7.9	7.0	5.9	6.6	7.0	7.0	6.5	5.9	5.5
85,0°	2.9	2.8	2.5	2.4	2.3	2.3	2.8	3.2	3.6	3.2	3.0	2.9	2.6
87,5°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.2	1.2	1.2	1.1	1.1
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> Floodlight FL11	<b>Order number: 5XA779424V01AA</b> <b>EAN: 4058352977705</b>	<b>LP number</b> 59472_19
<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
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	0.2	0.2
2,5°	110.8	110.2	109.6	109.2	108.8	108.5	108.3	108.2	108.1	107.7	107.7	1.5	1.6
5,0°	107.8	107.2	106.7	106.4	106.0	105.7	105.5	105.4	105.2	105.0	104.9	3.2	4.8
7,5°	107.8	107.1	106.8	106.9	107.4	107.9	108.5	109.0	109.3	109.4	109.3	5.4	10.2
10,0°	110.4	111.9	113.3	113.9	114.3	114.1	113.5	112.9	112.3	111.8	111.4	7.6	17.8
12,5°	117.2	117.6	116.5	114.2	111.2	108.5	106.4	104.7	103.5	102.6	102.2	9.6	27.4
15,0°	119.4	115.6	111.1	107.2	103.5	100.3	97.6	95.5	93.8	92.6	92.0	11.4	38.8
17,5°	115.0	109.5	104.3	99.2	93.8	88.0	82.5	78.0	75.0	73.3	72.6	13.1	51.9
20,0°	109.9	103.3	95.5	86.2	78.0	72.9	70.2	68.6	67.6	67.0	66.7	14.9	66.8
22,5°	104.0	93.0	81.4	74.7	71.6	69.7	68.3	67.3	66.5	66.0	65.8	16.7	83.5
25,0°	94.5	81.7	75.5	72.3	70.4	69.0	68.0	67.2	66.6	66.1	65.9	18.7	102.3
27,5°	85.0	77.8	73.8	71.4	70.0	69.2	68.6	67.9	67.4	67.0	66.8	20.9	123.1
30,0°	80.9	76.0	72.9	71.0	70.0	69.5	69.1	68.5	68.0	67.6	67.6	23.4	146.5
32,5°	78.2	74.6	72.3	71.0	70.5	70.3	69.7	68.9	68.2	67.7	67.5	26.6	173.1
35,0°	76.1	73.5	72.5	72.4	72.0	71.2	70.0	68.6	67.5	66.7	66.3	30.5	203.6
37,5°	75.6	73.3	73.4	73.8	73.0	71.1	69.0	67.1	65.5	64.6	64.3	35.1	238.7
40,0°	76.1	74.0	73.9	74.0	72.1	69.3	66.7	64.3	62.8	62.1	61.7	40.2	279.0
42,5°	76.9	74.8	73.9	72.8	70.4	67.2	64.6	62.9	61.7	61.1	60.9	46.2	325.2
45,0°	75.7	74.6	73.0	72.0	69.6	66.4	63.8	62.4	61.3	60.7	60.5	53.7	378.9
47,5°	72.1	72.9	72.8	72.1	69.5	66.2	63.7	62.7	62.6	62.2	61.9	63.4	442.3
50,0°	67.2	71.2	72.5	71.6	69.5	66.6	65.2	63.1	60.8	59.8	59.6	73.9	516.3
52,5°	64.4	69.3	71.6	70.8	69.2	68.2	63.9	60.6	58.3	57.8	57.1	81.7	597.9
55,0°	64.2	68.0	70.0	68.7	69.4	67.3	62.5	57.6	54.9	55.0	53.8	83.2	681.1
57,5°	62.3	67.1	67.2	66.0	66.6	65.8	60.2	55.2	52.9	52.6	51.1	76.1	757.2
60,0°	57.3	64.1	64.3	62.2	63.1	63.2	58.7	54.8	53.1	55.2	56.2	65.5	822.7
62,5°	51.2	57.8	61.2	58.7	58.9	59.2	57.8	56.8	62.8	70.0	69.3	53.9	876.6
65,0°	46.0	50.6	55.4	54.9	54.3	55.7	57.4	66.3	66.7	59.9	56.9	40.4	917.0
67,5°	39.9	43.1	46.6	48.3	49.4	51.9	60.8	65.3	58.0	53.0	50.7	28.1	945.1
70,0°	33.8	34.3	37.9	40.4	42.2	47.5	59.1	60.1	51.6	47.0	45.7	19.5	964.6
72,5°	26.5	26.0	26.8	30.1	34.3	41.5	47.9	49.8	43.4	38.3	37.0	12.6	977.3
75,0°	20.0	17.9	19.3	21.6	25.3	33.0	36.3	36.9	34.0	30.0	28.4	9.1	986.4
77,5°	13.7	12.6	13.0	14.9	17.2	22.7	24.4	24.6	24.0	21.6	19.8	6.5	992.8
80,0°	8.4	8.1	8.4	9.3	10.4	12.2	13.9	14.2	14.0	13.2	12.2	3.9	996.8
82,5°	4.9	4.6	4.7	5.2	5.6	6.0	6.8	6.8	6.5	6.2	5.7	2.1	998.9
85,0°	2.4	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	0.8	999.7
87,5°	1.1	1.1	1.2	1.2	1.2	1.2	1.2	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

## Photometric test report

Family <b>Floodlight FL11</b>	Order number: <b>5XA779424V01AA</b> EAN: <b>4058352977705</b>	LP number <b>59472_19</b>
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### Dimming levels table environmental temperature: 10°C

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	----	----	----	----
99	252	254	167361	1526.7
95	238	252	160060	1439.7
90	222	249	151369	1341.4
85	207	247	143061	1249.6
80	193	244	134944	1164.3
75	178	241	126371	1073.3
70	164	238	117739	989.0
65	151	235	109614	910.7
60	138	232	101304	832.9
55	125	228	92845	755.4
50	112	224	84059	677.9
45	100	220	75834	607.1
40	88	215	67366	536.4
35	76	210	58772	466.2
30	65	204	50578	401.9
25	54	197	42418	337.2
20	42	188	33384	268.8
15	31	177	25000	208.0
10	21	163	16964	145.6
5	10	136	8333	76.6
1	3	91	2380	32.4

### Dimming levels table environmental temperature: 25°C

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	----	----	----	----
95	----	----	----	----
90	----	----	----	----
85	206	246	138906	1234.8
85	205	246	138348	1228.8
80	191	244	130570	1144.2
75	176	241	122271	1053.3
70	162	238	114030	969.6
65	148	234	105676	885.7
60	135	231	97549	808.6
55	123	228	89922	737.7
50	110	223	81381	660.8
45	98	219	73364	590.2
40	86	214	65085	520.0
35	74	209	56752	450.4
30	63	203	48585	386.8
25	52	196	40544	322.8
20	41	187	32420	260.7
15	31	177	24850	206.1
10	20	161	16090	137.0
5	10	136	8309	75.8
1	3	92	2374	32.0

**Photometric test report**

<b>Family</b> Floodlight FL11	<b>Order number: 5XA779424V01AA</b> <b>EAN: 4058352977705</b>	<b>LP number</b> 59472_19
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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	168380.0	1539.3
25.0	140070.0	1247.9