

Photometric test report

Family
Floodlight FL11



Order number: 5XA779216X02FB
EAN: 4069025141187

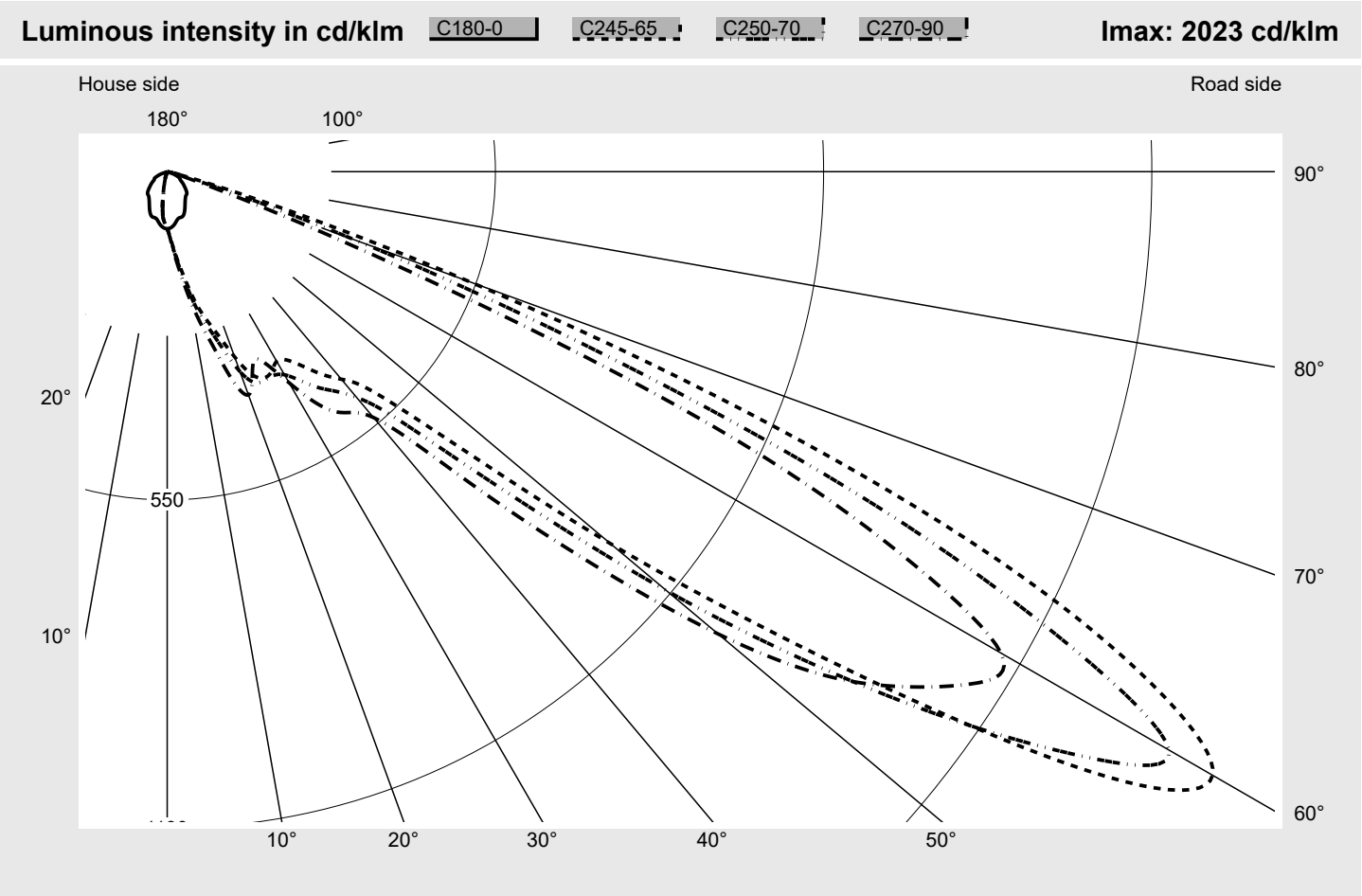
Version
Optic
Cover
Lamps
Controlgear
Rated values

standard bracket
asymmetric distribution PL33T with Back Light Control
toughened safety glass
LED 4000 K | CRI ≥ 70
ECG-DMX
Ta = 10 °C
Net luminous flux = 105620 lm
Power consumption = 983.5 W
Luminous efficacy = 107.4 lm/W

LP number
59552_274

serial
documentation
19.12.2024

siteco

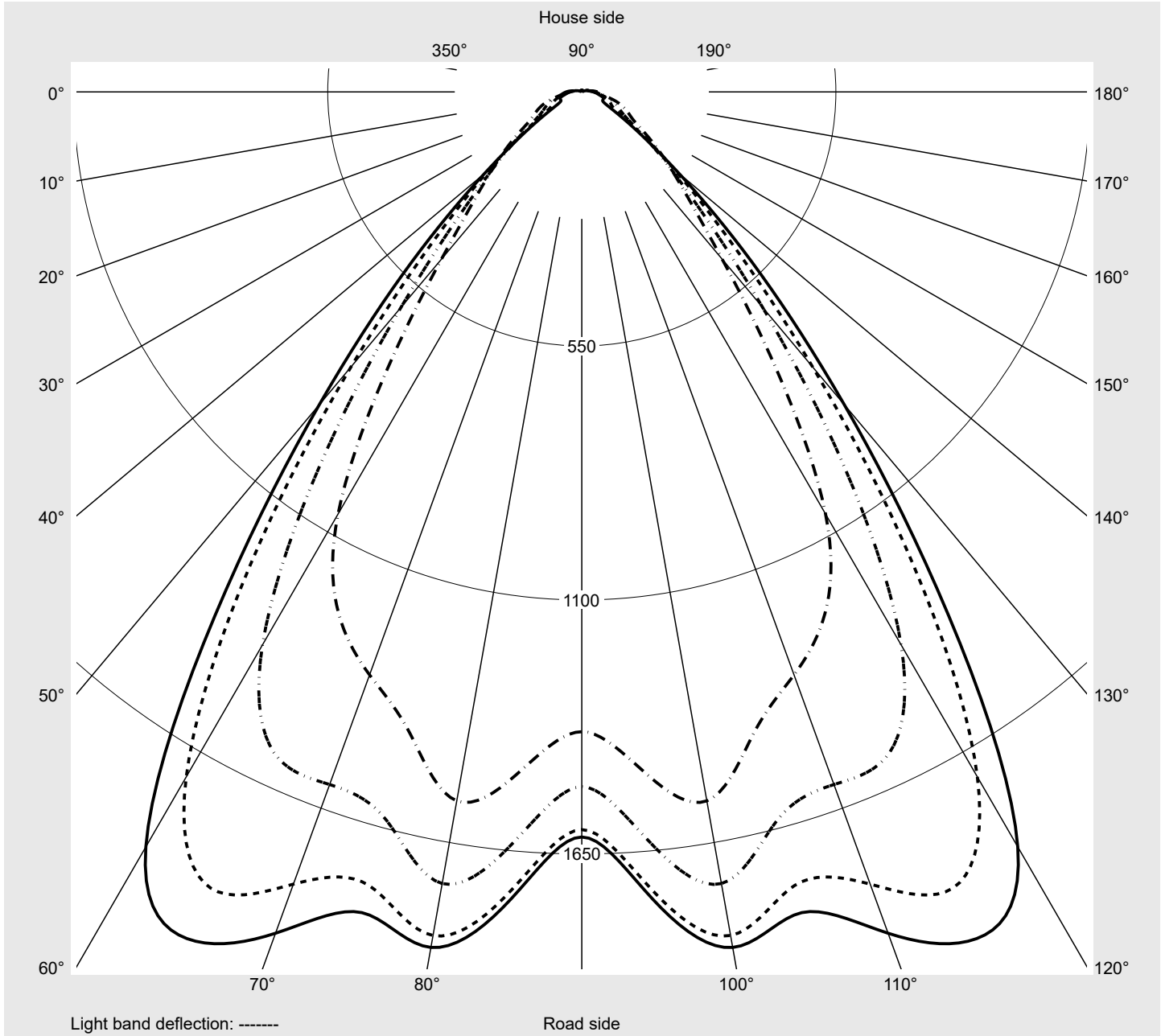


Luminaire output ratios		Luminous intensity class acc. to EN13201-2	
Eta	100.0%	Class:	G3
Eta 0° - 90°	100.0%	Imax 70°	555.3
Eta 90° - 180°	0.0%	Imax 80°	11.9
		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
Measurement conditions			
DIN EN 13032 and DIN 5032			

Photometric test report

Family Floodlight FL11	Order number: 5XA779216X02FB EAN: 4069025141187	LP number 59552_274
Envelope curve in cd/klm KMK 60° KMK 57.5° KMK 55° KMK 52.5°		

siteco



Photometric test report

Family Floodlight FL11		Order number: 5XA779216X02FB EAN: 4069025141187										LP number 59552_274	
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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2,5°	94.9	95.1	96.2	97.4	98.7	100.0	101.3	102.5	103.7	104.9	106.1	107.2	108.2
5,0°	92.9	94.1	96.5	99.1	101.9	105.1	108.5	112.1	115.8	119.4	122.8	126.1	129.2
7,5°	89.6	91.7	95.3	99.5	104.6	110.3	116.4	122.5	128.8	135.2	141.4	147.7	153.3
10,0°	85.3	88.2	93.2	99.7	107.2	115.3	123.7	132.3	141.2	151.1	161.1	171.3	181.3
12,5°	81.4	85.5	92.1	100.5	109.7	119.7	130.4	142.6	155.6	169.6	184.6	199.3	214.2
15,0°	80.0	85.8	94.3	104.4	114.9	126.4	140.3	156.1	173.8	193.0	211.9	228.4	243.5
17,5°	79.9	87.6	98.4	110.1	122.0	136.6	153.6	172.7	192.5	211.0	228.3	246.4	266.9
20,0°	78.4	87.8	100.5	114.2	129.7	148.2	168.9	189.8	207.9	225.3	246.3	271.3	300.7
22,5°	74.7	85.7	100.2	117.0	137.8	161.0	183.4	203.6	224.9	249.5	278.2	308.8	340.0
25,0°	69.8	81.5	97.2	117.7	143.2	168.1	190.1	215.3	243.0	274.3	308.6	339.3	365.4
27,5°	64.6	75.9	92.4	116.7	146.1	172.4	200.1	232.6	264.3	294.6	321.2	341.9	361.1
30,0°	60.0	70.6	88.4	117.6	151.0	183.3	218.3	257.9	288.5	303.1	310.4	320.4	340.0
32,5°	56.2	66.8	86.9	121.5	159.4	198.1	242.6	290.3	311.0	304.6	295.6	304.3	335.0
35,0°	53.4	64.6	87.2	121.2	163.4	211.4	264.4	309.9	316.0	300.7	293.9	312.3	353.0
37,5°	51.2	64.5	85.1	114.4	163.4	220.4	274.9	303.6	301.2	295.9	301.3	326.5	377.6
40,0°	50.2	64.4	80.3	109.5	160.7	219.2	266.0	276.8	283.6	300.2	315.2	342.8	395.9
42,5°	48.7	63.2	77.3	110.4	162.0	212.2	245.7	253.1	280.4	311.7	330.6	358.7	415.7
45,0°	45.3	60.5	74.0	109.5	158.2	193.8	215.1	238.0	286.5	321.9	342.6	384.6	471.8
47,5°	41.2	55.5	66.2	99.4	140.4	164.7	185.9	226.5	280.1	321.5	356.5	444.4	591.0
50,0°	37.3	48.0	58.4	87.0	116.9	136.3	160.4	207.7	260.3	316.2	394.3	561.6	793.7
52,5°	33.8	41.1	51.6	74.9	95.6	112.8	135.7	183.4	244.2	326.9	472.6	736.5	1055.3
55,0°	29.9	36.4	45.6	64.2	78.8	91.2	111.3	158.3	238.2	366.9	608.8	990.5	1382.4
57,5°	26.4	33.2	42.1	56.2	65.5	72.4	95.1	156.0	263.2	448.0	777.4	1252.6	1712.6
60,0°	24.7	31.8	39.1	47.7	48.9	51.7	77.0	142.7	275.1	520.5	884.1	1384.8	1887.5
62,5°	23.9	29.7	35.4	38.9	34.8	37.6	60.5	121.7	256.3	497.9	841.5	1324.2	1876.0
65,0°	20.0	24.7	30.4	33.6	26.6	27.4	47.5	97.4	195.0	387.8	667.7	1054.4	1586.9
67,5°	15.3	20.0	25.2	23.9	17.3	18.9	30.0	58.8	119.5	239.3	427.2	690.4	1052.9
70,0°	10.8	15.1	19.9	16.4	11.8	10.8	15.6	32.7	72.2	146.6	268.8	415.2	555.3
72,5°	7.1	10.6	13.8	9.8	6.8	6.6	9.5	18.7	41.9	83.9	143.4	210.1	267.5
75,0°	4.2	6.7	6.9	5.1	3.9	4.4	6.7	10.9	21.3	43.9	73.5	88.1	92.5
77,5°	2.7	4.3	3.1	2.5	2.1	2.6	4.1	6.5	11.6	10.8	10.2	10.4	11.7
80,0°	1.3	1.9	1.3	1.0	0.9	1.4	2.5	3.2	3.6	3.8	4.0	4.6	6.1
82,5°	0.5	0.6	0.5	0.4	0.4	0.8	1.3	1.5	1.6	1.8	2.0	2.3	2.9
85,0°	0.4	0.4	0.4	0.3	0.2	0.4	0.6	0.7	0.7	0.8	0.9	1.0	1.1
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4
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

Family Floodlight FL11	Order number: 5XA779216X02FB EAN: 4069025141187	LP number 59552_274
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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°
γ	Luminous intensity in cd/klm												
0,0°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2,5°	109.3	109.9	110.5	111.0	111.2	111.3	93.3	92.6	91.8	91.1	90.5	89.8	89.3
5,0°	132.1	134.7	136.4	137.8	138.8	139.3	90.5	89.0	87.5	86.2	85.0	84.0	82.9
7,5°	158.8	163.8	167.5	170.6	172.4	173.0	86.8	84.6	82.7	81.0	79.2	77.4	75.6
10,0°	191.1	199.5	206.7	212.1	215.3	216.1	82.0	79.5	77.1	74.6	72.2	69.6	66.7
12,5°	228.1	239.7	249.1	255.9	259.8	261.6	77.7	74.9	71.9	68.8	65.5	61.3	55.2
15,0°	258.2	272.7	286.2	297.9	310.0	308.4	74.9	71.2	67.1	63.1	57.8	50.4	42.5
17,5°	289.6	311.9	333.0	351.5	364.1	368.7	73.0	68.0	62.9	57.3	49.3	40.4	32.1
20,0°	330.2	356.3	375.0	388.5	395.9	398.0	69.9	63.4	56.9	49.1	39.9	30.8	24.7
22,5°	366.7	382.4	385.6	381.7	376.1	372.4	65.2	57.4	49.0	39.6	31.0	24.2	20.9
25,0°	381.5	385.8	377.8	364.8	353.0	347.6	59.3	50.2	39.7	30.3	24.2	20.2	12.5
27,5°	378.0	385.2	381.5	374.3	367.8	366.1	54.0	43.5	31.6	24.0	20.5	13.5	10.4
30,0°	366.9	393.0	405.7	407.0	407.2	408.3	49.9	38.4	25.1	20.4	16.8	10.8	9.6
32,5°	374.5	415.0	442.0	451.1	453.3	456.5	46.8	34.3	20.9	18.2	12.4	9.9	8.8
35,0°	398.7	441.7	472.8	485.0	487.9	490.9	44.1	30.6	18.4	16.2	11.0	9.3	7.9
37,5°	428.7	463.9	492.4	505.1	507.0	508.7	41.7	27.4	16.7	13.2	10.3	8.3	7.2
40,0°	454.1	493.9	515.9	532.4	536.8	537.9	38.9	24.3	15.6	11.9	9.5	7.4	6.8
42,5°	489.2	550.5	586.8	619.0	623.4	622.3	35.5	20.4	14.0	11.4	8.8	7.1	6.6
45,0°	576.4	669.3	735.8	795.0	792.8	786.0	32.2	16.7	12.3	11.3	8.4	6.6	6.1
47,5°	733.6	852.2	946.3	1030.3	1010.7	986.2	29.1	14.5	12.0	11.0	7.9	5.9	5.3
50,0°	969.9	1092.1	1200.2	1308.1	1257.4	1205.0	26.9	14.0	12.7	11.1	7.6	5.2	4.6
52,5°	1245.8	1343.3	1437.7	1558.8	1471.9	1385.3	24.6	14.9	13.8	10.9	7.1	4.4	4.1
55,0°	1577.6	1596.0	1633.0	1740.5	1624.7	1504.5	22.4	14.8	12.9	10.2	5.4	3.9	3.7
57,5°	1901.9	1825.5	1779.0	1854.7	1733.5	1597.4	20.0	14.4	11.6	8.8	4.0	3.5	3.4
60,0°	2022.8	1938.6	1839.7	1881.0	1753.9	1613.4	18.1	14.8	10.3	6.6	3.5	3.2	3.0
62,5°	1861.2	1678.3	1551.2	1598.4	1499.9	1383.8	16.1	14.5	8.7	4.0	3.1	2.8	2.6
65,0°	1528.6	1268.7	1152.1	1165.0	1093.8	1008.1	13.1	13.4	6.7	3.1	2.6	2.3	2.2
67,5°	1045.8	751.9	631.8	585.7	520.1	465.0	9.9	10.0	3.9	2.4	2.0	1.9	2.1
70,0°	540.3	336.9	231.7	193.6	156.7	132.9	7.1	6.6	2.5	1.8	1.6	1.6	1.9
72,5°	188.4	85.8	58.9	49.2	41.0	36.1	4.3	3.3	1.9	1.4	1.3	1.4	1.7
75,0°	40.5	29.7	31.6	30.9	24.4	21.3	2.4	2.0	1.3	1.1	1.1	1.2	1.4
77,5°	15.4	17.6	18.3	19.8	14.5	12.2	1.5	1.2	0.9	0.8	0.8	0.9	1.2
80,0°	8.9	9.5	9.4	11.9	8.5	7.0	0.8	0.7	0.5	0.5	0.5	0.7	0.9
82,5°	3.8	4.3	4.1	5.6	4.2	3.3	0.4	0.4	0.3	0.3	0.3	0.5	0.7
85,0°	1.4	1.4	1.3	1.6	1.4	1.2	0.3	0.3	0.2	0.2	0.3	0.3	0.4
87,5°	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.2
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

Family Floodlight FL11				Order number: 5XA779216X02FB EAN: 4069025141187								LP number 59552_274	
Table of values for luminous intensities										Maximum luminous intensity		sīTeco	
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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	0.1	0.1
2,5°	88.8	88.4	87.9	87.7	87.4	87.2	87.1	86.9	86.8	86.8	86.7	1.2	1.3
5,0°	82.0	81.1	80.2	79.5	78.7	78.0	77.4	77.0	76.7	76.5	76.4	2.4	3.7
7,5°	73.7	71.9	69.7	67.6	65.2	62.9	60.8	59.3	58.0	57.3	57.0	3.7	7.4
10,0°	62.9	58.0	52.9	48.1	43.7	40.2	37.5	35.4	34.0	33.2	32.9	5.0	12.3
12,5°	48.5	41.5	35.6	30.9	27.6	25.6	24.4	23.7	23.3	23.2	23.1	6.5	18.8
15,0°	35.0	29.2	25.3	23.6	22.8	21.8	19.4	16.8	14.8	13.7	13.9	8.3	27.1
17,5°	26.3	23.7	22.1	17.2	13.0	11.5	10.9	10.6	10.3	10.2	10.2	10.3	37.4
20,0°	22.3	16.7	11.8	10.7	10.2	9.8	9.5	9.3	9.1	9.1	9.0	12.4	49.8
22,5°	13.5	10.8	10.0	9.5	9.1	8.9	8.6	8.4	8.3	8.2	8.2	14.4	64.2
25,0°	10.4	9.6	9.0	8.6	8.3	8.1	7.9	7.8	7.7	7.6	7.6	16.0	80.2
27,5°	9.5	8.7	8.2	7.9	7.6	7.5	7.4	7.3	7.2	7.2	7.1	17.7	97.9
30,0°	8.7	8.0	7.6	7.3	7.1	7.0	6.9	6.8	6.8	6.7	6.7	19.6	117.4
32,5°	7.8	7.4	7.0	6.8	6.6	6.5	6.3	6.2	6.1	6.0	6.0	21.9	139.4
35,0°	7.2	6.9	6.6	6.3	6.1	5.9	5.8	5.6	5.5	5.5	5.5	24.4	163.8
37,5°	6.8	6.4	6.1	5.8	5.5	5.4	5.3	5.2	5.1	5.0	5.0	26.5	190.2
40,0°	6.4	6.0	5.6	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.8	28.6	218.8
42,5°	6.1	5.7	5.4	5.1	4.9	5.0	4.9	4.8	4.6	4.5	4.5	31.9	250.7
45,0°	5.6	5.2	5.0	4.8	4.7	4.8	4.7	4.5	4.4	4.3	4.2	37.7	288.5
47,5°	5.0	4.7	4.5	4.4	4.4	4.4	4.4	4.3	4.2	4.2	4.1	45.9	334.4
50,0°	4.4	4.3	4.2	4.1	4.1	4.2	4.2	4.2	4.1	4.1	4.1	56.8	391.1
52,5°	4.0	4.0	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	69.1	460.2
55,0°	3.6	3.6	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	3.9	82.6	542.8
57,5°	3.2	3.4	3.6	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	96.3	639.1
60,0°	2.9	3.1	3.5	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.7	103.9	743.1
62,5°	2.6	3.0	3.4	3.5	3.7	3.7	3.6	3.6	3.6	3.6	3.6	95.6	838.6
65,0°	2.5	3.0	3.3	3.4	3.5	3.5	3.4	3.4	3.4	3.4	3.4	75.8	914.5
67,5°	2.4	2.8	3.0	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	46.2	960.7
70,0°	2.2	2.5	2.7	2.9	3.0	3.0	3.0	3.0	2.9	2.9	2.9	22.7	983.4
72,5°	2.0	2.3	2.5	2.7	2.9	2.7	2.6	2.6	2.6	2.5	2.5	9.5	992.9
75,0°	1.7	2.0	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	4.2	997.1
77,5°	1.4	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.5	998.6
80,0°	1.1	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.3	0.8	999.4
82,5°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.4	999.8
85,0°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.2	999.9
87,5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	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 Floodlight FL11	Order number: 5XA779216X02FB EAN: 4069025141187	LP number 59552_274
Dimming levels table environmental temperature: 10°C		

Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W]
100	----	----	----
95	239	100472	922.1
90	223	95109	860.3
85	208	89864	802.8
80	193	84360	745.1
75	179	79204	692.0
70	165	74014	639.0
65	151	68570	586.3
60	138	63426	537.3
55	125	58116	488.7
50	112	52649	440.5
45	100	47463	395.7
40	88	42179	351.3
35	76	36846	307.3
30	65	31625	267.5
25	54	26467	227.4
20	43	21282	188.4
15	32	16026	142.3
10	21	10605	99.6
5	10	5152	53.7
1	3	1426	27.1

Dimming levels table	environmental temperature: 25°C
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Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W]
100	----	----	----
95	----	----	----
90	----	----	----
85	----	----	----
83	----	----	----
80	191	83163	732.3
75	177	78062	679.4
70	163	72947	626.8
65	149	67702	574.4
60	136	62573	525.7
55	123	57331	477.4
50	110	51891	429.3
45	98	46722	385.0
40	86	41480	340.9
35	75	36616	301.1
30	64	31357	261.4
25	53	26222	221.8
20	42	20992	183.0
15	31	15713	136.5
10	20	10248	94.7
5	10	5227	53.2
1	3	1448	26.8

Photometric test report

Family Floodlight FL11	Order number: 5XA779216X02FB EAN: 4069025141187	LP number 59552_274
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
10.0	105620.0	983.5
25.0	86750.0	770.5