

Lichttechnischer Prüfbefund

Familie
Floodlight FL11



Bestell-Nr.: 5XA779716X02FB
EAN: 4069025144386

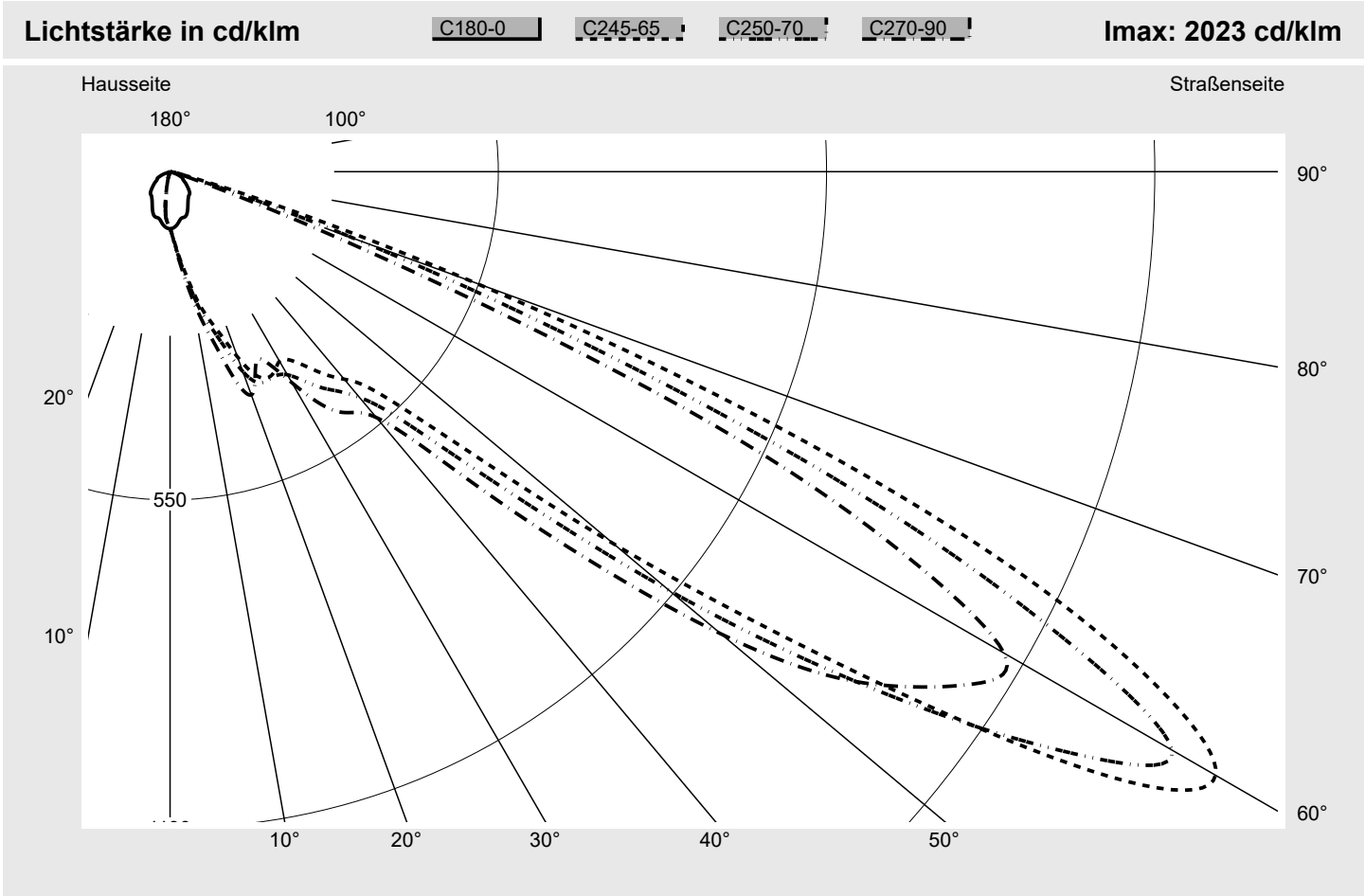
Ausführung
Optik
Abdeckung
Bestückung
Betriebsgerät
Bemessungswerte

Bügel gekröpft
asymmetrisch strahlend PL33T mit Back Light Control
Einscheibensicherheitsglas (ESG)
LED 4000 K | CRI ≥ 70
EVG-DMX
Ta = 10 °C
Nettolichtstrom = 105620 lm
Systemleistung = 983.5 W
Lichtausbeute = 107.4 lm/W

LP-Nummer
59552_280

Seriodokumentation
19.12.2024

siteco



Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	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
Messbedingungen			
DIN EN 13032 und DIN 5032			

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Kegelmantelkurven in cd/klm

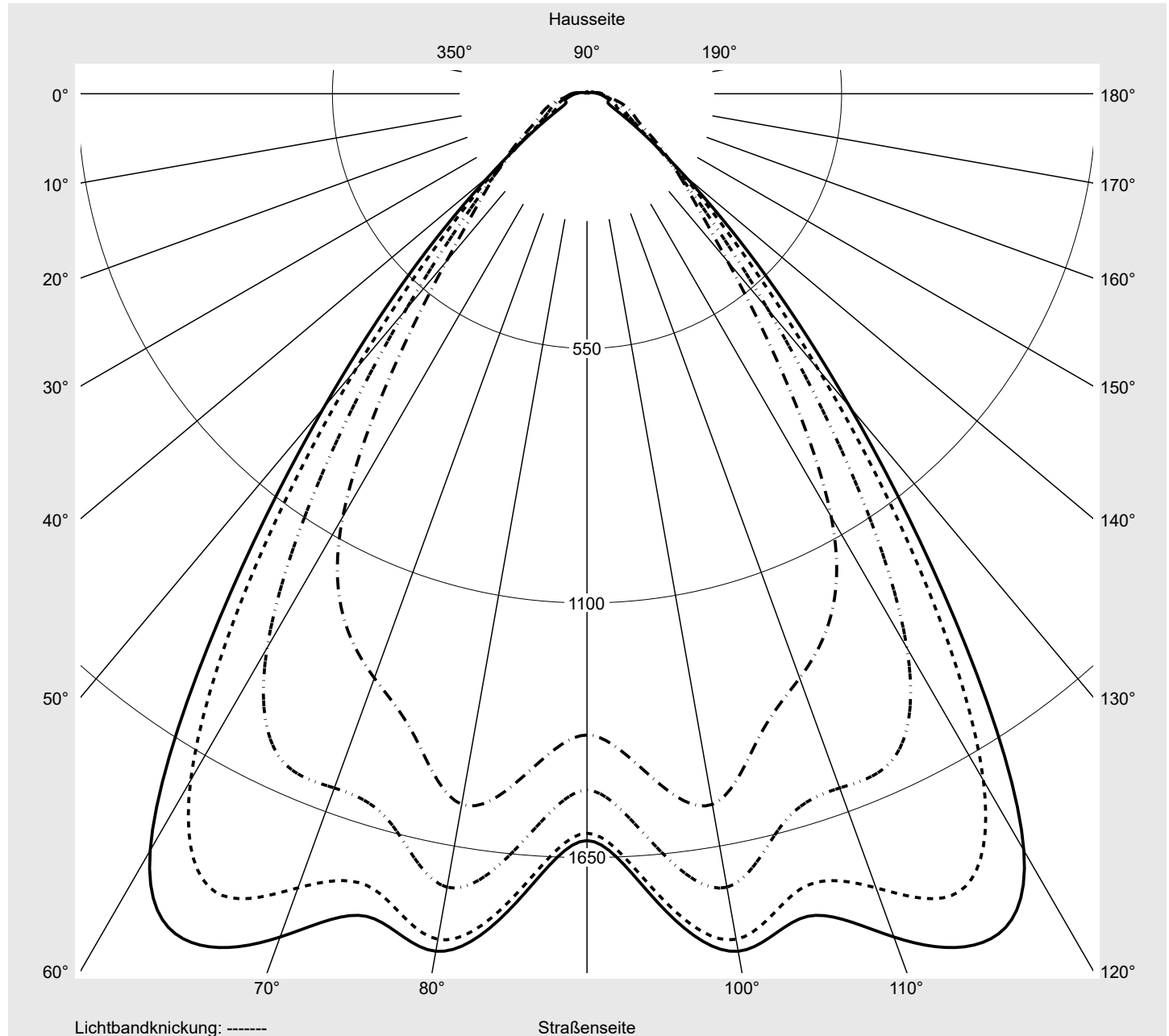
KMK 60°

KMK 57,5°

KMK 55°

KMK 52,5°

siteco



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Familie Floodlight FL11				Bestell-Nr.: 5XA779716X02FB EAN: 4069025144386								LP-Nummer 59552_280	
Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	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	Lichtstärke 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

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Wertetabelle Lichtstärkemessung												Maximale Lichtstärke		siTeco
C- Ebenen	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	Lichtstärke 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	

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Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom 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

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Familie Floodlight FL11	Bestell-Nr.: 5XA779716X02FB EAN: 4069025144386	LP-Nummer 59552_280
Dimmstufen-Tabelle		Umgebungstemperatur: 10°C

siteco

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [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

Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [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

Lichttechnischer Prüfbefund

Familie Floodlight FL11	Bestell-Nr.: 5XA779716X02FB EAN: 4069025144386	LP-Nummer 59552_280
Lichtstrom-Tabelle		siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	105620.0	983.5
25.0	86750.0	770.5