

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779116D01AA
EAN: 4058352850886

LP-Nummer
59241_30



Ausführung Bügel gekröpft
Optik asymmetrisch strahlend PL52
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG-DALI
Bemessungswerte Ta = 10 °C
Nettolichtstrom = 115390 lm
Systemleistung = 947.0 W
Lichtausbeute = 121.8 lm/W

Seriendokumentation
21.07.2023

sitEco

Lichtstärke in cd/klm

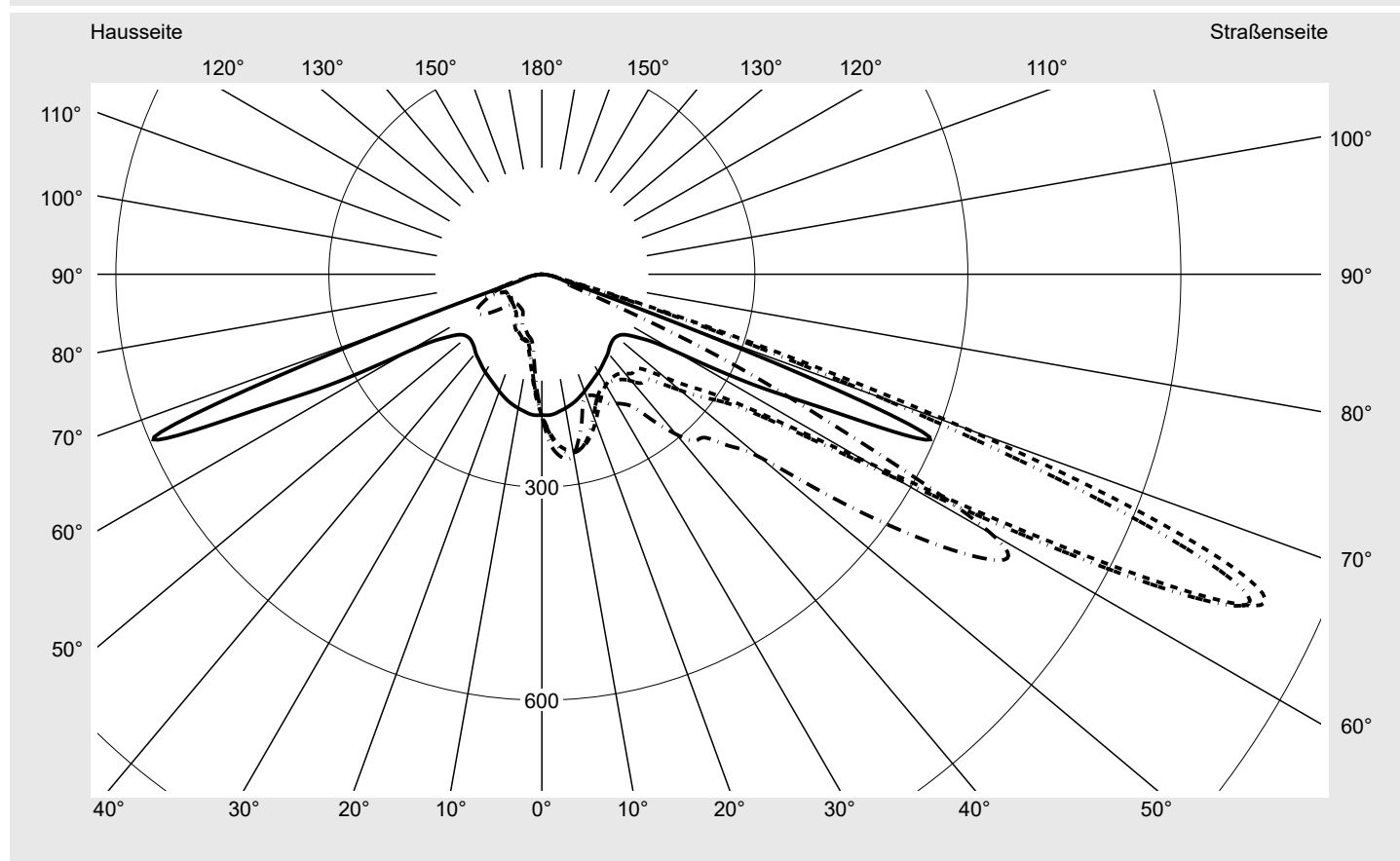
C180-0

C220-40

C225-45

C270-90

Imax: 1105 cd/klm



Leuchtenbetriebswirkungsgrade

Eta 100.0%
Eta 0° - 90° 100.0%
Eta 90° - 180° 0.0%

Lichtstärkeklasse nach EN13201-2

Klasse: G3
Imax 70° 749.2
Imax 80° 33.4
Imax 90° 0.0
Imax >90° 0.0
Imax >95° 0.0

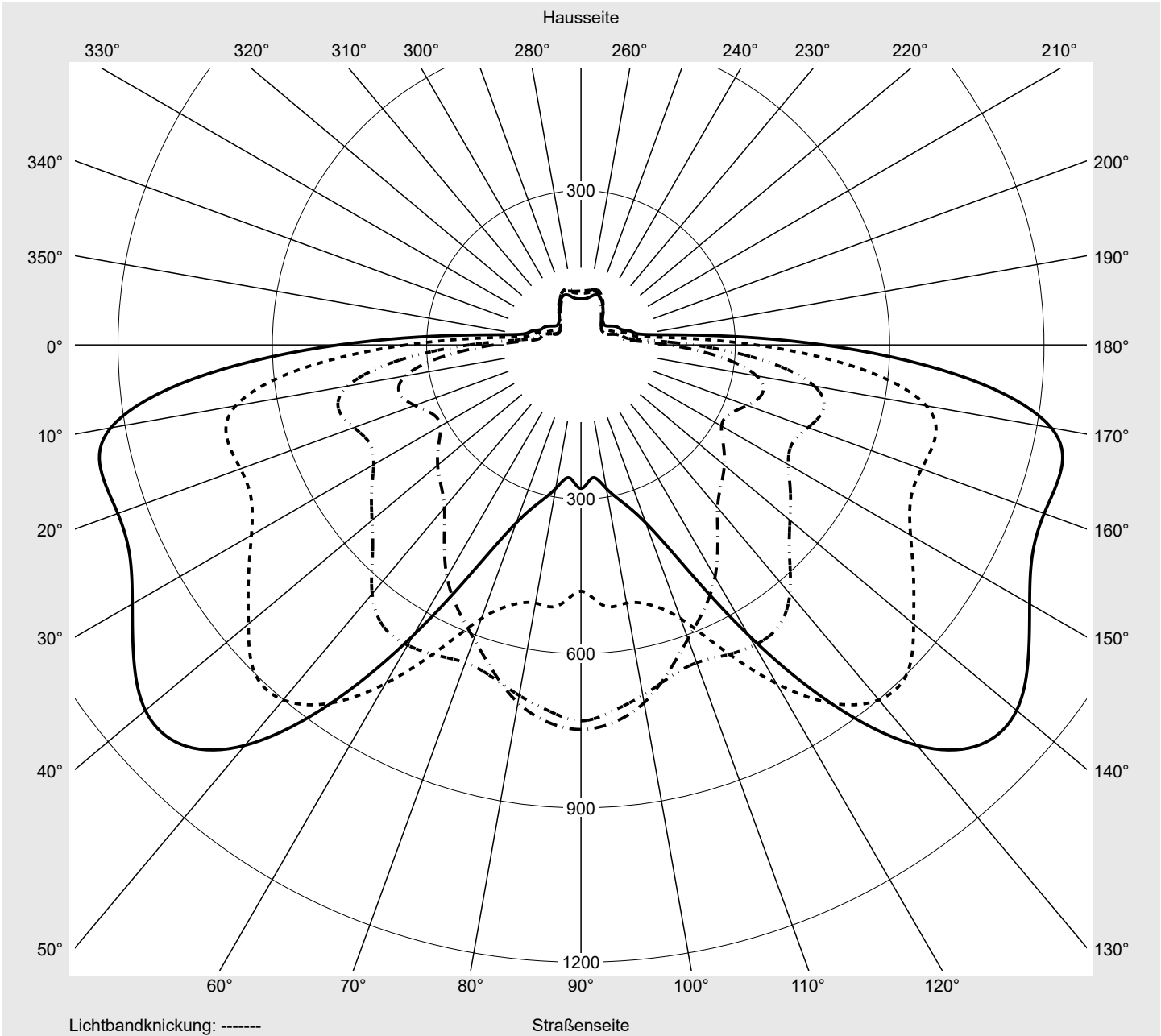
Messbedingungen

DIN EN 13032 und DIN 5032

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



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Familie Floodlight FL11	Bestell-Nr.: 5XA779116D01AA EAN: 4058352850886	LP-Nummer 59241_30
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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°	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

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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°	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

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	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

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siteco

Dimmstufen-Tabelle Umgebungstemperatur: 10°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	115390	947.0
95	232	251	109619	862.3
90	213	248	103686	789.3
85	197	245	98199	728.6
80	182	242	92485	671.0
75	167	239	86434	613.9
70	153	235	80608	561.4
65	140	232	74927	513.0
60	127	229	69071	464.7
55	115	225	63469	420.5
50	103	221	57820	376.5
45	91	216	51745	332.7
40	80	212	46079	292.9
35	69	206	40268	253.4
30	59	201	34868	216.7
25	48	193	28813	178.0
20	38	184	23103	142.7
15	28	173	17339	107.8
10	18	157	11406	73.1
5	9	132	5938	42.3
1	2	77	1604	17.1

Dimmstufen-Tabelle Umgebungstemperatur: 25°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	---	---	---	---
95	---	---	---	---
93	219	249	101942	806.9
90	209	247	98917	768.5
85	193	244	93694	707.8
80	177	241	88003	647.0
75	163	238	82625	594.0
70	149	235	76974	542.0
65	136	231	71548	493.8
60	123	228	65848	446.0
55	111	224	60338	401.9
50	99	220	54807	358.4
45	88	215	49413	318.8
40	77	210	43846	279.3
35	67	205	38710	242.9
30	56	199	32808	204.0
25	46	192	27334	168.9
20	37	184	22277	137.7
15	27	172	16592	103.2
10	17	155	10730	68.9
5	8	127	5286	38.3
1	2	77	1591	16.8

office

industry

traffic

retail

public

sports

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779116D01AA
EAN: 4058352850886

LP-Nummer
59241_30

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	115390.0	947.0
25.0	102140.0	809.5