

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 midi

Bestell-Nr.: 5XA7782F3K1A
EAN: 4058352854624

LP-Nummer
59305_18



Ausführung	Tragbügel
Optik	symmetrisch strahlend RS7
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000 K CRI ≥ 80
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 30870 lm Systemleistung = 270.2 W Lichtausbeute = 114.2 lm/W

Seriendokumentation
22.08.2023

siteco

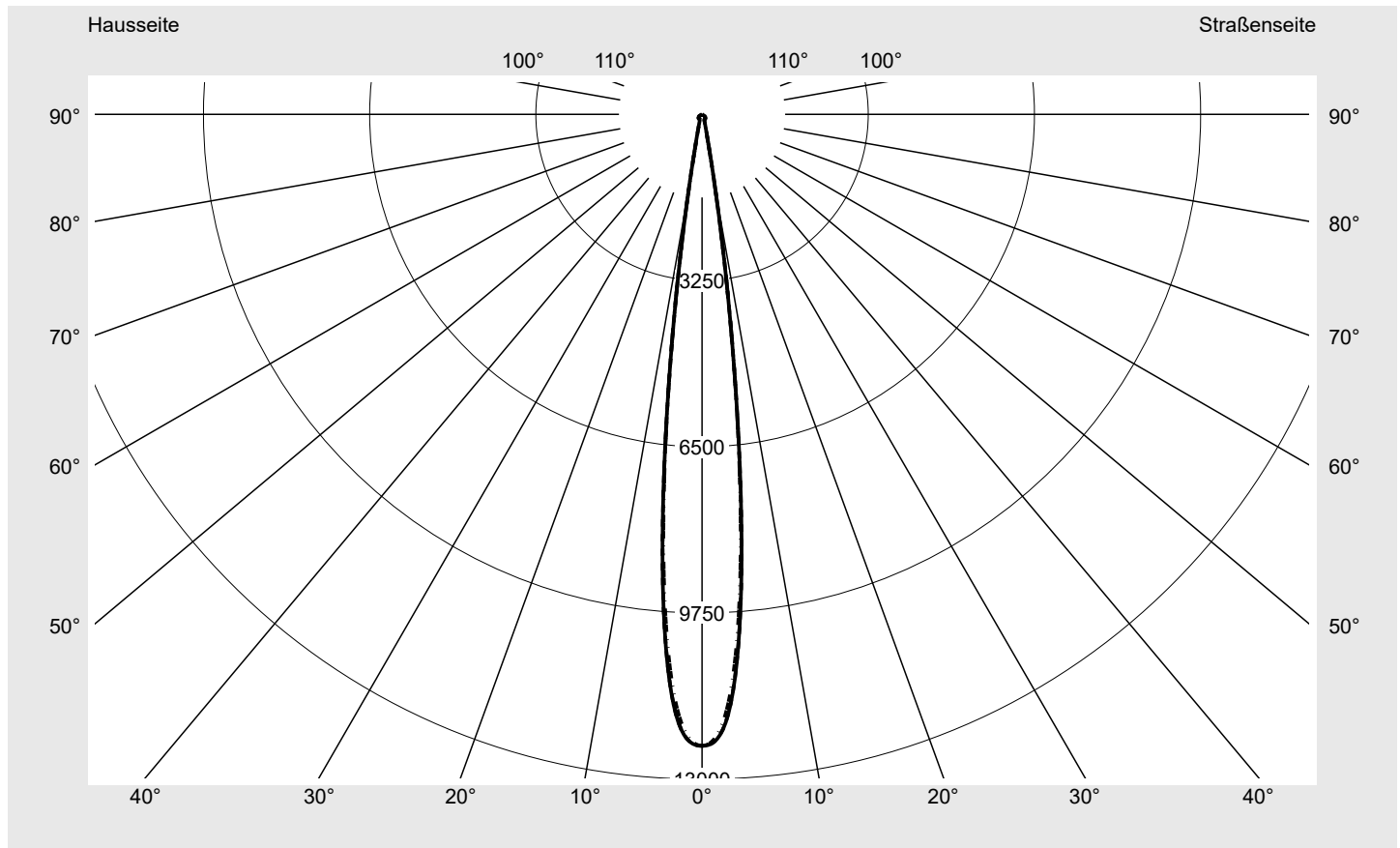
Lichtstärke in cd/klm

C180-0

C185-5

C270-90

Imax: 12348 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	33.3
Imax 80°	10.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

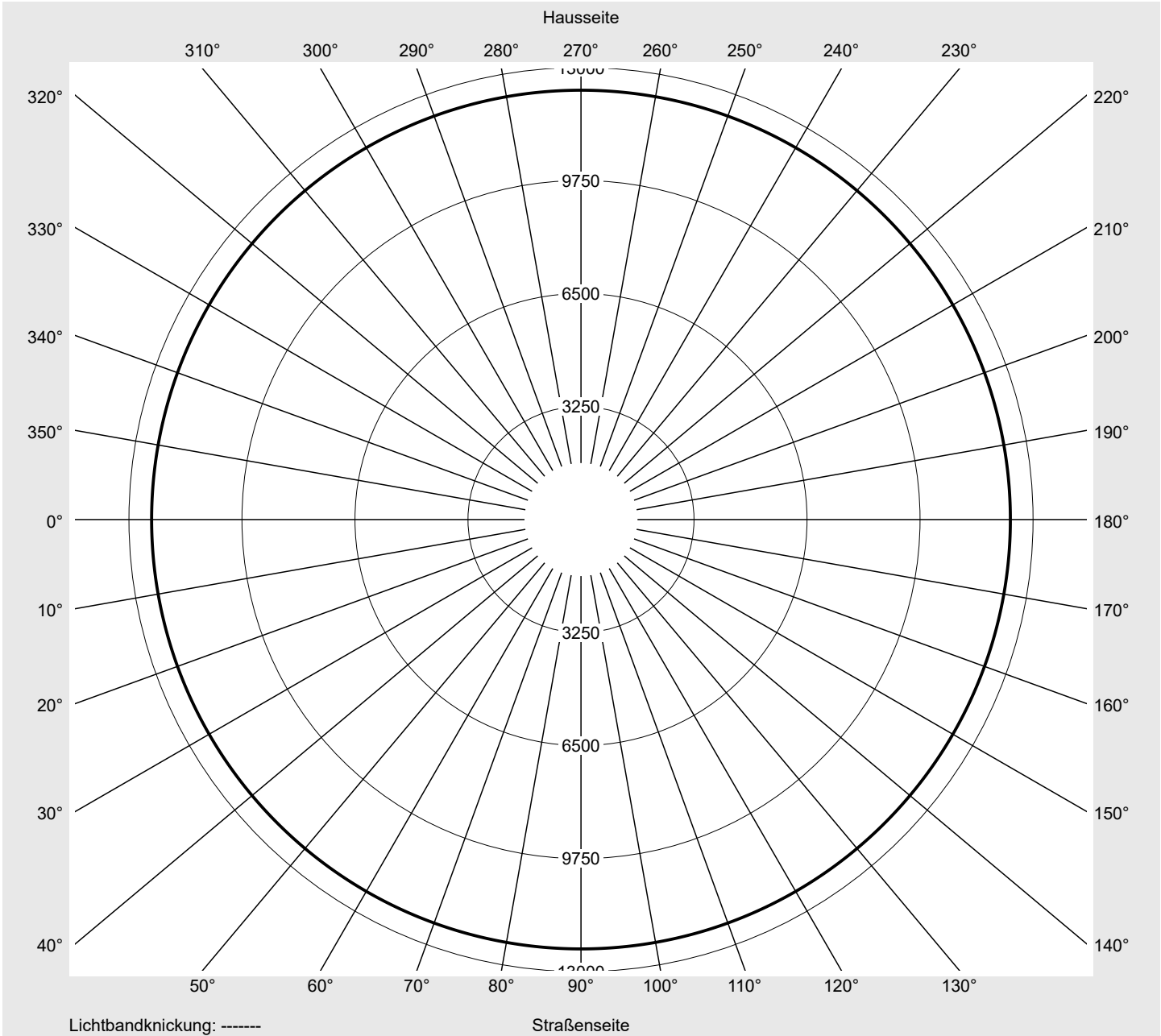
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm KMK 0° siteco



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Wertetabelle Lichtstärkemessung Maximale Lichtstärke

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°	
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°	
γ		Lichtstärke in cd/klm									
0,0°	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1
2,5°	11740.3	11736.4	11732.4	11728.5	11741.1	11753.7	11766.3	11748.6	11730.9	11713.2	
5,0°	8862.5	8858.5	8854.4	8850.4	8960.8	9071.1	9181.5	9162.5	9143.5	9124.5	
7,5°	4523.8	4521.3	4518.8	4516.3	4592.9	4669.4	4745.9	4754.6	4763.3	4771.9	
10,0°	1521.6	1523.6	1525.5	1527.4	1539.1	1550.7	1562.3	1563.7	1565.2	1566.7	
12,5°	537.5	527.2	516.9	506.6	509.7	512.9	516.0	503.2	490.5	477.7	
15,0°	276.8	276.2	275.7	275.1	276.5	277.9	279.3	278.0	276.8	275.5	
17,5°	185.9	185.4	185.0	184.5	185.1	185.7	186.2	185.7	185.2	184.7	
20,0°	134.4	134.2	134.1	134.0	134.7	135.3	136.0	135.8	135.6	135.4	
22,5°	118.4	118.3	118.2	118.2	118.5	118.9	119.3	119.6	119.9	120.2	
25,0°	109.6	109.3	109.1	108.8	108.9	109.0	109.1	109.4	109.8	110.1	
27,5°	104.3	104.0	103.7	103.4	103.2	103.0	102.9	103.0	103.2	103.4	
30,0°	100.4	100.2	100.0	99.8	99.5	99.2	98.8	98.8	98.8	98.8	
32,5°	99.1	98.7	98.4	98.0	97.7	97.4	97.1	96.9	96.7	96.6	
35,0°	102.2	101.9	101.6	101.3	101.1	100.9	100.7	100.5	100.3	100.1	
37,5°	105.3	105.0	104.7	104.4	104.6	104.8	104.9	105.0	105.0	105.1	
40,0°	102.9	102.4	102.0	101.6	102.2	102.8	103.4	103.6	103.8	104.0	
42,5°	99.8	99.0	98.2	97.3	98.1	98.8	99.6	99.9	100.1	100.4	
45,0°	96.2	95.3	94.3	93.3	94.0	94.7	95.4	95.9	96.3	96.7	
47,5°	90.7	89.6	88.5	87.5	88.3	89.1	89.9	90.4	90.9	91.4	
50,0°	85.0	83.5	82.0	80.5	81.6	82.7	83.8	84.3	84.9	85.4	
52,5°	79.1	77.5	75.8	74.1	75.4	76.6	77.9	78.3	78.6	79.0	
55,0°	72.8	71.3	69.8	68.4	69.7	71.0	72.3	72.7	73.1	73.4	
57,5°	66.1	64.6	63.1	61.6	63.0	64.4	65.8	66.1	66.5	66.8	
60,0°	59.6	57.9	56.1	54.3	55.5	56.7	57.9	58.5	59.1	59.7	
62,5°	52.9	51.3	49.6	48.0	48.8	49.6	50.4	51.3	52.2	53.0	
65,0°	45.4	44.2	43.0	41.8	42.6	43.3	44.1	44.7	45.3	45.9	
67,5°	38.3	37.5	36.8	36.0	36.7	37.5	38.2	38.7	39.2	39.6	
70,0°	31.9	31.3	30.8	30.3	31.0	31.7	32.4	32.7	33.0	33.3	
72,5°	25.9	25.6	25.3	25.0	25.5	26.0	26.5	26.7	26.9	27.1	
75,0°	20.9	20.5	20.1	19.6	20.0	20.4	20.8	20.9	21.0	21.1	
77,5°	15.9	15.4	14.9	14.5	14.8	15.1	15.4	15.4	15.5	15.6	
80,0°	10.4	10.2	9.9	9.7	9.9	10.0	10.1	10.1	10.0	9.9	
82,5°	5.7	5.6	5.5	5.4	5.5	5.5	5.6	5.5	5.4	5.4	
85,0°	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	
87,5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
90,0°	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	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	18.5	18.5
2,5°	11704.4	11695.7	11686.9	11645.2	11603.6	11561.9	11563.0	11564.1	11565.1	139.7	158.2
5,0°	9110.0	9095.6	9081.1	8940.8	8800.6	8660.3	8659.8	8659.4	8658.9	213.7	371.9
7,5°	4772.8	4773.6	4774.4	4699.1	4623.7	4548.4	4547.8	4547.2	4546.6	166.3	538.2
10,0°	1560.2	1553.8	1547.4	1523.7	1500.0	1476.3	1480.8	1485.4	1490.0	72.9	611.1
12,5°	479.8	481.9	484.0	474.2	464.5	454.7	460.6	466.5	472.4	29.1	640.2
15,0°	275.0	274.5	274.0	272.5	271.0	269.5	269.7	270.0	270.3	19.5	659.7
17,5°	184.6	184.6	184.5	183.4	182.3	181.2	181.7	182.1	182.6	15.2	674.8
20,0°	136.0	136.6	137.2	136.7	136.3	135.8	136.1	136.4	136.7	12.7	687.6
22,5°	120.6	121.0	121.3	121.0	120.7	120.4	120.4	120.5	120.6	12.6	700.1
25,0°	110.3	110.5	110.7	110.6	110.5	110.4	110.4	110.4	110.5	12.7	712.9
27,5°	103.5	103.5	103.6	103.7	103.7	103.8	103.9	103.9	104.0	13.1	726.0
30,0°	98.9	99.0	99.0	99.2	99.4	99.6	99.5	99.4	99.3	13.6	739.6
32,5°	96.5	96.5	96.5	96.5	96.6	96.6	96.7	96.9	97.0	14.3	753.9
35,0°	99.9	99.8	99.7	99.7	99.7	99.7	99.9	100.0	100.2	15.8	769.7
37,5°	104.9	104.6	104.4	104.2	104.1	103.9	104.1	104.3	104.5	17.5	787.1
40,0°	103.6	103.3	102.9	102.3	101.7	101.1	101.5	101.9	102.3	18.1	805.2
42,5°	100.0	99.6	99.2	98.5	97.9	97.2	98.0	98.8	99.6	18.3	823.5
45,0°	96.2	95.7	95.2	94.7	94.1	93.6	94.4	95.1	95.9	18.4	842.0
47,5°	90.8	90.2	89.6	88.9	88.3	87.7	88.2	88.8	89.4	18.1	860.0
50,0°	84.6	83.7	82.8	82.0	81.2	80.4	81.2	81.9	82.6	17.4	877.4
52,5°	78.1	77.2	76.2	75.5	74.7	74.0	74.9	75.9	76.8	16.6	894.1
55,0°	72.4	71.4	70.4	69.8	69.2	68.6	68.9	69.2	69.5	15.9	909.9
57,5°	65.9	65.0	64.1	63.3	62.5	61.7	61.8	61.9	62.0	14.8	924.7
60,0°	58.7	57.6	56.5	55.7	54.9	54.1	54.3	54.6	54.9	13.4	938.2
62,5°	51.9	50.7	49.5	48.9	48.3	47.7	48.0	48.3	48.7	12.1	950.3
65,0°	45.0	44.1	43.2	42.6	42.0	41.3	41.7	42.1	42.6	10.8	961.1
67,5°	38.8	38.0	37.2	36.7	36.2	35.7	36.0	36.3	36.6	9.5	970.6
70,0°	32.7	32.2	31.6	31.2	30.7	30.2	30.5	30.8	31.1	8.1	978.7
72,5°	26.7	26.3	25.9	28.1	30.4	32.7	30.3	28.0	25.6	7.1	985.8
75,0°	20.8	20.6	20.3	20.1	19.8	19.6	18.9	18.3	17.6	5.3	991.1
77,5°	15.4	15.1	14.9	14.7	14.5	14.3	14.6	14.8	15.0	4.0	995.1
80,0°	9.9	9.8	9.8	9.7	9.6	9.5	9.6	9.7	9.8	2.7	997.8
82,5°	5.4	5.4	5.4	5.3	5.3	5.2	5.3	5.4	5.5	1.5	999.3
85,0°	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2	0.6	999.9
87,5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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	1000.0

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	30870	270.2	286.6	278.4
95	241	252	29290	251.6	266.7	259.2
90	229	250	27832	235.2	249.2	242.2
85	216	248	26252	218.1	231.0	224.6
80	203	246	24672	201.8	213.6	207.7
75	190	243	23092	186.1	196.8	191.4
70	178	241	21633	172.2	182.1	177.1
65	165	238	20053	157.5	166.6	162.0
60	152	235	18473	143.4	151.5	147.4
55	140	232	17015	130.7	138.1	134.4
50	127	229	15435	117.3	123.9	120.6
45	114	225	13855	104.0	110.1	107.0
40	102	221	12397	92.3	97.4	94.8
35	89	216	10817	79.8	84.2	82.0
30	76	210	9237	67.7	71.4	69.6
25	63	203	7657	56.1	59.1	57.6
20	51	195	6198	45.7	48.0	46.8
15	38	184	4618	34.7	36.4	35.6
12	31	177	3768	28.8	30.2	29.5