

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 mini

Bestell-Nr.: 5XA7771C2C2A
EAN: 4058352652633

LP-Nummer
58550_95



Ausführung Designbügel
Optik direkt, asymmetrisch extrem breit strahlend
 A610002
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 11980 lm
 Systemleistung = 87.2 W
 Lichtausbeute = 137.4 lm/W

Seriendokumentation
26.08.2022

siteco

Lichtstärke in cd/klm

C180-0

C190-10

C195-15

C270-90

Imax: 745 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G3
 Imax 70° 640.5
 Imax 80° 24.8
 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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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°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5
2,5°	239.2	240.6	242.2	243.7	245.4	247.0	248.5	249.7	250.8	251.8	252.8	253.7	254.4
5,0°	239.5	242.7	245.9	249.0	251.9	254.7	257.2	259.4	261.3	263.0	264.5	265.8	266.9
7,5°	239.6	244.5	249.0	253.2	257.1	260.7	264.0	266.7	269.0	270.9	272.5	273.9	275.0
10,0°	240.7	247.3	253.2	258.3	262.9	266.8	270.2	272.8	274.8	276.2	277.6	279.1	280.5
12,5°	242.1	250.3	257.5	263.6	268.7	272.8	276.1	278.5	280.3	281.7	282.9	284.2	285.5
15,0°	243.2	253.2	261.6	268.3	273.6	277.7	281.0	283.8	286.1	287.9	289.3	290.5	291.6
17,5°	244.4	256.2	265.8	273.1	278.6	282.6	286.0	288.9	291.7	294.1	296.3	298.1	299.7
20,0°	247.2	262.0	273.1	280.6	285.3	288.9	292.0	294.9	297.5	300.4	303.7	306.4	308.1
22,5°	250.6	267.7	280.5	289.0	293.0	295.6	299.1	302.4	305.2	308.2	312.1	315.5	317.9
25,0°	253.7	271.8	285.2	293.6	298.4	302.0	305.7	309.5	313.2	316.6	319.7	323.6	326.3
27,5°	259.5	280.4	295.5	304.9	310.5	314.1	316.1	318.8	322.5	326.2	329.4	331.8	333.4
30,0°	262.3	285.3	301.7	311.7	318.2	323.2	326.6	328.9	330.9	334.2	335.4	334.9	332.8
32,5°	266.9	291.7	309.3	319.4	325.5	330.3	334.7	338.2	339.3	338.9	336.5	331.7	325.8
35,0°	273.0	300.4	319.1	330.7	337.7	342.5	346.3	348.7	347.4	340.9	331.9	324.2	315.2
37,5°	280.8	310.7	331.0	344.1	352.2	356.8	359.5	358.9	351.7	339.1	323.9	313.3	300.6
40,0°	291.0	324.4	346.4	360.2	368.8	374.4	376.5	369.9	354.1	333.7	312.4	293.8	275.9
42,5°	303.8	340.0	363.4	378.0	386.3	391.3	391.2	378.8	354.2	323.4	294.1	267.2	243.1
45,0°	316.2	356.0	380.1	394.5	403.2	407.8	401.4	380.8	347.9	309.8	273.1	238.7	207.4
47,5°	333.1	374.5	399.2	413.4	421.6	424.7	412.0	378.8	338.2	294.3	248.5	208.9	176.1
50,0°	349.4	394.1	420.1	434.7	442.0	440.1	418.4	377.5	326.4	275.1	222.7	184.4	169.2
52,5°	371.1	416.7	444.9	459.9	464.5	452.4	419.9	370.6	310.9	252.5	204.0	186.7	195.6
55,0°	396.9	446.5	476.8	490.8	491.6	467.2	422.8	361.7	293.9	233.1	204.4	210.0	235.1
57,5°	434.2	490.3	522.2	531.6	524.1	485.2	423.4	351.0	274.1	222.1	219.9	252.9	291.6
60,0°	489.5	549.8	579.9	585.8	565.7	508.8	430.4	338.9	258.8	233.1	262.9	299.7	321.7
62,5°	593.3	647.0	670.9	665.5	624.4	544.2	440.8	335.5	273.5	278.1	304.7	316.3	310.1
65,0°	673.3	726.9	744.7	729.6	673.5	579.4	465.3	363.6	317.2	316.8	319.7	306.5	282.1
67,5°	692.3	734.5	738.2	706.3	642.7	556.8	463.7	382.3	347.7	336.9	316.9	279.9	236.1
70,0°	629.0	640.5	619.1	578.0	519.0	457.0	394.4	353.3	340.5	324.9	286.4	233.9	198.5
72,5°	327.9	325.8	291.9	301.0	323.1	314.1	287.3	268.5	257.1	233.5	204.7	182.0	158.1
75,0°	97.0	63.1	54.8	75.1	154.3	189.6	178.5	152.6	113.5	87.4	107.1	102.2	86.8
77,5°	32.8	28.1	25.1	25.4	52.2	80.6	76.8	38.5	23.7	25.5	35.7	35.5	32.3
80,0°	20.7	17.4	17.1	16.6	19.5	24.8	19.4	13.3	12.8	13.0	14.2	16.7	16.3
82,5°	10.1	9.1	9.8	10.2	9.5	9.2	8.9	7.5	7.6	7.7	7.4	8.2	8.6
85,0°	3.6	3.2	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.2	3.2	3.1
87,5°	1.2	1.2	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.6
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5
2,5°	255.0	255.6	256.1	256.5	256.9	257.0	237.6	236.0	234.3	232.7	231.2	229.8	228.5
5,0°	267.7	268.3	269.0	269.7	270.2	270.3	236.0	232.3	228.7	225.1	221.6	218.2	215.0
7,5°	275.7	276.2	276.8	277.5	278.0	278.2	234.1	228.5	222.8	217.2	211.7	206.5	201.3
10,0°	281.4	282.1	282.9	283.9	284.6	284.9	233.4	225.6	217.7	209.9	202.2	194.8	187.6
12,5°	286.9	288.2	289.4	290.5	291.4	291.7	232.7	222.8	212.6	202.7	192.8	183.2	173.6
15,0°	293.1	295.1	297.1	298.7	299.6	299.8	231.8	219.5	207.0	194.8	182.8	171.1	159.1
17,5°	301.1	303.2	305.8	307.7	308.7	309.1	230.8	216.0	201.1	186.5	171.9	157.5	143.0
20,0°	309.2	310.8	313.6	315.4	316.0	316.0	230.5	213.1	195.5	178.2	160.7	143.4	127.2
22,5°	318.3	319.3	321.7	324.1	324.3	324.1	231.1	210.8	190.3	170.2	149.8	130.0	112.4
25,0°	327.4	327.5	328.5	330.3	329.8	329.1	232.1	208.5	184.8	161.1	138.0	116.2	95.6
27,5°	332.5	329.9	328.9	329.9	328.0	325.9	234.0	206.8	179.1	151.6	124.4	97.9	81.4
30,0°	329.4	323.9	321.5	321.3	317.4	313.1	234.1	203.6	172.4	141.4	106.9	82.4	76.2
32,5°	319.2	312.0	307.3	304.1	295.6	290.9	235.8	201.7	166.6	129.7	91.2	75.8	73.5
35,0°	305.5	295.3	287.6	278.7	266.3	263.1	238.3	200.3	161.0	115.5	79.9	72.0	70.9
37,5°	285.5	270.6	258.3	240.6	226.8	225.0	242.2	198.9	151.7	100.3	73.3	69.3	68.5
40,0°	255.6	237.1	219.7	195.2	185.0	183.7	248.0	198.8	140.1	85.3	68.2	66.5	65.9
42,5°	218.8	194.2	173.9	156.4	149.0	148.0	254.8	201.0	131.0	77.5	64.8	63.6	63.2
45,0°	181.0	156.7	141.7	130.5	126.7	127.1	263.3	201.7	120.4	71.4	61.7	60.7	60.4
47,5°	157.5	145.8	141.0	141.9	141.4	144.0	275.1	206.3	118.8	68.7	59.2	58.2	57.8
50,0°	172.0	175.4	180.4	188.9	191.2	194.6	287.2	210.9	113.6	65.4	56.6	55.6	55.1
52,5°	211.8	224.2	237.9	253.7	258.4	261.7	302.8	214.9	112.5	63.4	54.2	53.1	52.5
55,0°	265.3	288.2	308.0	327.0	329.2	331.6	321.4	220.0	112.7	61.3	51.8	50.5	50.0
57,5°	323.1	340.4	353.1	365.8	363.4	363.4	352.4	230.7	116.6	60.1	49.3	48.0	47.5
60,0°	331.5	333.4	339.3	346.1	339.9	339.9	397.0	252.7	122.8	59.8	46.9	45.5	45.0
62,5°	300.7	290.4	287.4	286.7	277.0	273.4	483.0	311.0	147.5	64.8	45.3	43.3	42.6
65,0°	253.4	227.2	212.9	212.7	205.1	203.4	568.9	385.2	207.0	89.5	46.7	41.7	40.4
67,5°	201.9	183.2	157.4	145.0	134.7	137.1	586.1	419.8	251.0	133.6	58.6	42.4	37.8
70,0°	179.3	159.0	76.7	59.5	55.4	61.0	469.1	325.6	213.5	120.4	59.8	44.4	36.6
72,5°	141.1	117.8	36.2	28.5	28.5	27.5	196.0	136.9	113.2	71.9	45.2	39.0	32.2
75,0°	76.2	62.7	25.0	21.1	20.9	19.7	57.7	36.1	37.9	34.6	27.7	25.8	23.8
77,5°	31.6	29.8	17.0	14.9	14.6	13.4	26.4	22.7	22.4	20.9	18.3	17.0	16.6
80,0°	14.2	13.2	10.0	9.3	8.7	8.1	18.9	15.6	13.6	13.0	11.9	11.2	11.1
82,5°	7.0	6.3	5.3	4.8	4.3	4.0	10.3	8.8	7.5	7.3	8.1	6.8	6.7
85,0°	2.6	2.3	1.9	1.7	1.7	1.6	3.8	3.4	3.2	3.3	3.7	3.4	3.3
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.4	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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
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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°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	0.4	0.4
2,5°	227.2	225.9	224.6	223.6	222.7	221.9	221.2	220.5	220.1	219.9	219.9	2.9	3.2
5,0°	212.0	209.0	206.3	203.8	201.6	199.6	197.9	196.6	195.6	195.2	195.0	5.6	8.9
7,5°	196.3	191.7	187.4	183.4	179.7	176.5	173.7	171.6	170.0	169.2	168.9	8.3	17.1
10,0°	180.5	173.8	167.5	161.7	156.3	151.7	147.7	144.7	142.5	141.3	140.9	10.7	27.9
12,5°	164.1	154.9	146.3	138.5	131.5	125.6	120.8	117.2	114.6	113.1	112.6	13.1	40.9
15,0°	147.0	135.8	125.6	116.9	109.5	103.6	99.0	95.9	93.7	92.4	91.9	15.3	56.2
17,5°	129.3	117.1	105.9	95.3	87.4	82.1	78.6	76.3	75.0	74.1	73.9	17.4	73.6
20,0°	113.2	98.1	85.6	79.3	76.7	75.0	73.8	72.9	72.0	71.4	71.2	19.7	93.3
22,5°	95.0	82.3	78.1	76.5	75.2	73.9	72.6	71.5	70.5	69.8	69.6	22.2	115.5
25,0°	81.5	77.6	76.4	75.4	74.3	72.9	71.5	70.2	69.0	68.1	67.7	24.6	140.0
27,5°	77.2	75.9	75.2	74.4	73.3	71.9	70.3	68.8	67.5	66.4	65.8	27.0	167.1
30,0°	75.0	74.4	74.0	73.4	72.4	71.1	69.4	67.6	66.1	64.8	64.1	29.1	196.2
32,5°	73.0	72.8	72.7	72.3	71.5	70.1	68.3	66.4	64.7	63.1	62.3	31.0	227.2
35,0°	70.7	70.7	71.1	70.8	70.1	68.7	66.8	64.7	62.8	61.1	60.1	32.6	259.8
37,5°	68.4	68.7	69.0	68.9	68.3	67.0	65.2	63.0	60.9	58.9	57.7	33.9	293.7
40,0°	65.9	66.3	66.6	66.6	66.1	64.9	62.8	60.8	58.8	56.8	55.7	34.8	328.4
42,5°	63.2	63.5	63.8	64.2	63.5	62.2	60.9	59.1	57.1	55.1	53.9	35.4	363.8
45,0°	60.3	60.4	60.9	60.8	60.4	59.8	59.0	57.6	56.0	54.0	52.7	35.9	399.7
47,5°	57.5	57.6	57.6	57.5	57.5	57.4	57.2	56.6	55.4	53.4	52.3	37.4	437.1
50,0°	54.8	54.7	54.2	54.4	54.7	55.2	55.8	56.1	55.4	53.9	52.9	40.1	477.3
52,5°	52.3	51.8	51.5	51.8	52.6	54.0	55.8	57.1	56.9	56.1	55.4	44.0	521.3
55,0°	49.7	49.1	49.3	49.8	51.2	54.0	57.2	59.7	59.7	59.4	59.0	49.0	570.3
57,5°	47.0	46.7	47.1	48.1	50.3	54.9	60.1	63.2	62.8	62.9	63.2	54.1	624.4
60,0°	44.4	44.3	44.9	46.7	50.3	56.4	63.0	65.8	64.7	64.9	65.4	58.2	682.6
62,5°	41.9	41.8	42.6	45.2	49.8	56.6	63.2	65.4	63.8	64.3	64.7	62.7	745.4
65,0°	39.4	39.1	40.3	43.4	48.5	55.5	62.0	63.2	60.9	61.1	61.7	66.5	811.9
67,5°	36.2	35.8	37.1	40.3	45.6	52.7	58.1	58.5	55.7	55.6	56.0	65.8	877.7
70,0°	32.2	31.7	33.2	36.7	41.9	47.8	51.8	51.5	48.8	48.0	48.6	56.2	933.9
72,5°	27.3	26.7	28.3	31.5	36.0	40.7	43.3	42.4	39.8	38.7	39.9	35.2	969.1
75,0°	21.9	21.8	23.2	26.0	29.5	33.0	34.3	33.1	30.6	30.0	31.7	16.3	985.4
77,5°	16.5	16.7	17.8	19.8	22.4	24.6	25.4	23.9	21.9	21.5	22.1	7.4	992.8
80,0°	11.3	11.4	12.2	13.6	15.1	16.4	16.6	15.2	13.9	13.5	13.6	3.9	996.7
82,5°	6.7	6.8	7.2	7.7	8.1	8.4	8.2	7.5	6.9	6.7	6.7	2.1	998.8
85,0°	3.2	3.1	3.2	3.3	3.4	3.6	3.5	3.1	2.8	2.7	2.7	0.8	999.7
87,5°	1.2	1.2	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

Lichttechnischer Prüfbefund

Familie Floodlight FL21 mini	Bestell-Nr.: 5XA7771C2C2A EAN: 4058352652633	LP-Nummer 58550_95
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	11980	87.2	92.1	89.6
95	241	252	11367	81.9	86.5	84.2
90	229	250	10801	77.1	81.4	79.2
85	216	248	10188	72.0	76.0	74.0
80	203	246	9575	67.1	70.8	68.9
75	190	243	8961	62.3	65.7	64.0
70	178	241	8395	57.9	61.0	59.4
65	165	238	7782	53.2	56.1	54.6
60	152	235	7169	48.6	51.4	50.0
55	140	232	6603	44.5	46.9	45.7
50	127	229	5990	40.1	42.2	41.2
45	114	225	5377	35.8	37.7	36.8
40	102	221	4811	31.9	33.6	32.8
35	89	216	4198	27.8	29.3	28.6
30	76	210	3585	23.8	25.0	24.4
25	63	203	2971	20.0	21.0	20.5
20	51	195	2405	16.5	17.3	16.9
16	40	186	1887	13.2	13.9	13.6