

Lichttechnischer Prüfbefund

Familie
Floodlight 20 maxi LED

Bestell-Nr.: 5XA7694F2N1AD
EAN: 4058352397893

LP-Nummer
58591_10



Ausführung	Bügel gekröpft
Optik	asymmetrisch strahlend PL44T mit Back Light Control (BLC)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG-DALI
Bemessungswerte	Nettolichtstrom = 124890 lm Systemleistung = 947.7 W Lichtausbeute = 131.8 lm/W

Seriendokumentation
07.10.2020

siteco

Lichtstärke in cd/klm

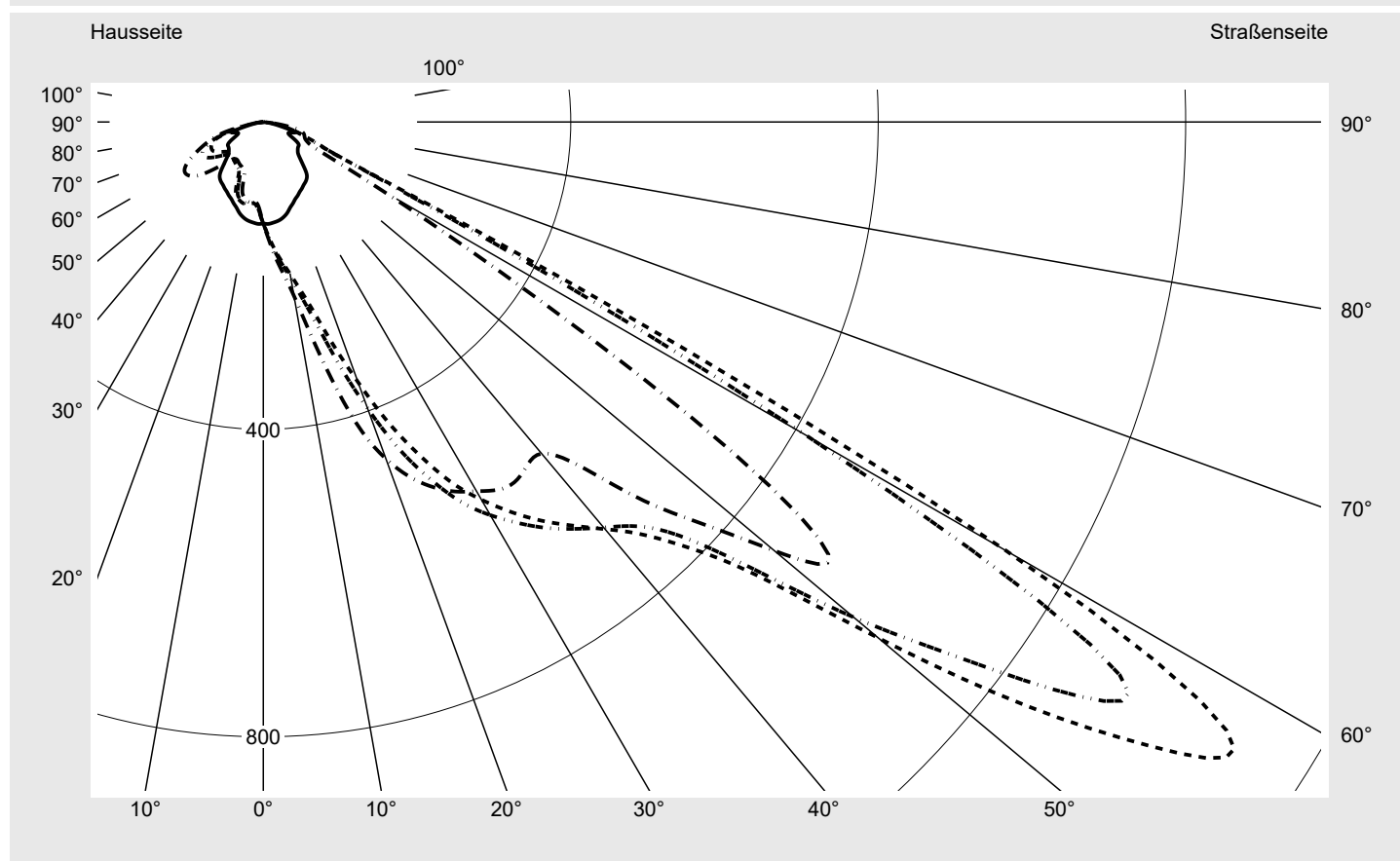
C180-0

C230-50

C235-55

C270-90

Imax: 1494 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	85.4
Imax 80°	32.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

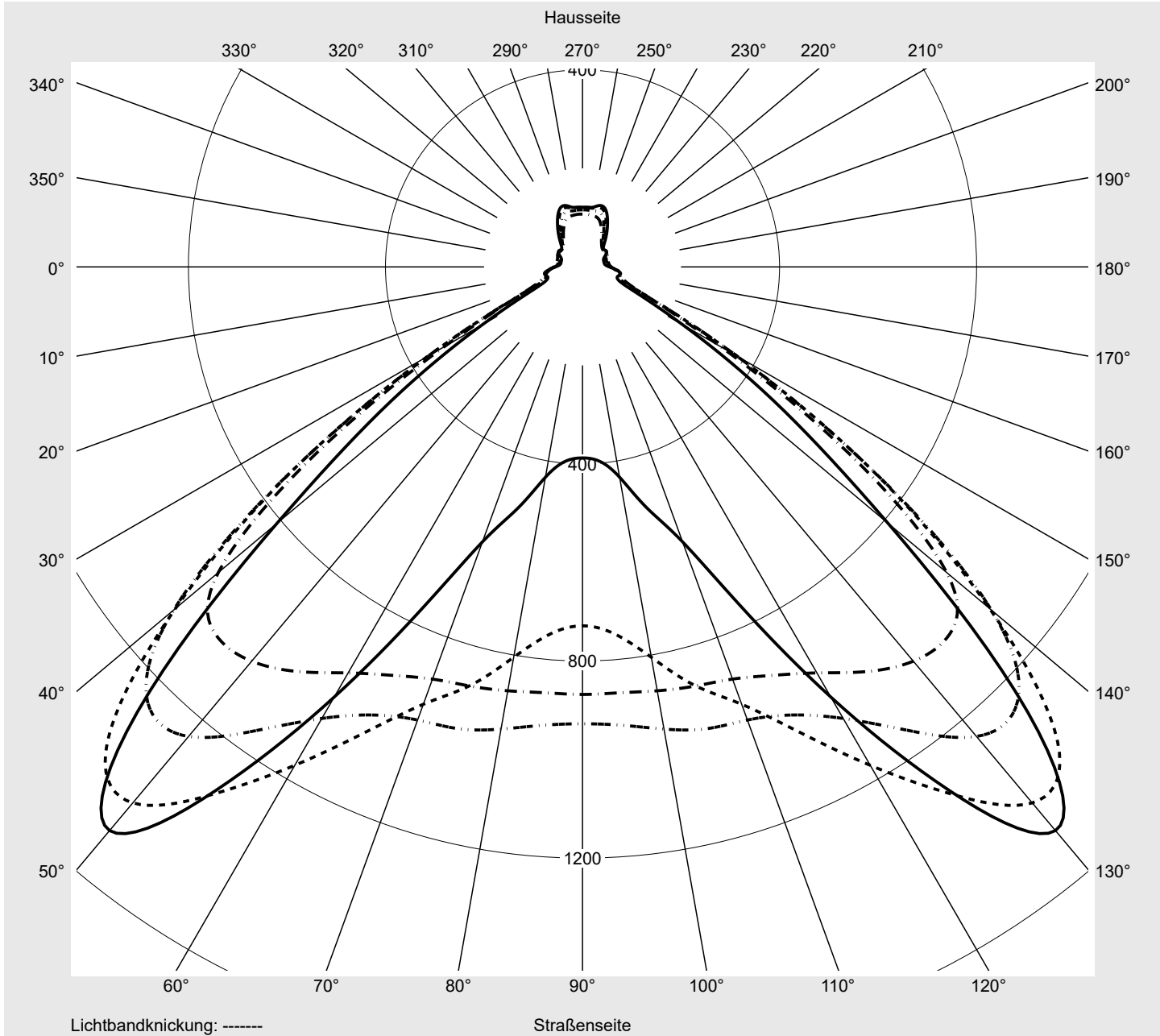
Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Floodlight 20 maxi LED	Bestell-Nr.: 5XA7694F2N1AD EAN: 4058352397893	LP-Nummer 58591_10
---	--	-------------------------------------

Kegelmantelkurven in cd/klm **KMK 57,5°** **KMK 55°** **KMK 52,5°** **KMK 50°** **siteco**



Lichttechnischer Prüfbefund

Familie Floodlight 20 maxi LED	Bestell-Nr.: 5XA7694F2N1AD EAN: 4058352397893	LP-Nummer 58591_10
--	--	-------------------------------------

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°	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2
2,5°	132.8	134.6	136.2	138.0	139.6	141.5	143.0	144.6	145.8	147.1	148.0	148.9	149.6
5,0°	131.9	135.5	139.2	143.0	146.7	150.5	154.0	157.4	160.6	163.4	165.8	168.1	170.0
7,5°	130.7	136.1	141.4	147.1	152.8	158.7	164.2	169.4	174.3	178.8	182.8	186.5	189.6
10,0°	128.9	135.5	142.4	150.2	157.9	166.0	173.7	181.1	187.9	194.6	200.8	206.5	212.1
12,5°	125.9	133.4	141.9	151.5	161.7	172.4	182.8	193.2	203.6	214.1	224.6	235.4	246.3
15,0°	121.8	129.1	138.6	150.2	162.7	176.5	190.5	205.5	221.5	239.2	257.6	276.3	295.0
17,5°	116.6	123.8	133.8	147.0	162.3	180.0	199.4	221.3	246.6	275.0	305.6	334.5	360.2
20,0°	112.7	118.2	128.1	142.2	159.9	181.9	208.0	239.2	276.2	318.1	360.2	396.7	424.8
22,5°	108.5	112.7	121.4	136.1	156.4	183.4	218.5	262.3	314.7	370.3	421.4	459.7	484.1
25,0°	105.7	107.8	114.3	128.3	150.6	182.9	227.8	286.7	355.0	422.1	476.5	511.9	531.1
27,5°	102.5	103.7	107.9	120.3	143.7	181.9	239.0	315.6	400.9	475.2	527.8	557.4	569.8
30,0°	100.1	100.8	103.3	113.3	136.7	179.9	249.3	344.9	443.8	520.5	567.6	590.8	598.2
32,5°	97.4	98.4	100.1	107.6	129.5	178.0	263.4	379.4	489.6	562.6	602.3	619.0	622.3
35,0°	95.5	96.4	98.1	103.4	122.3	173.3	274.5	416.0	536.2	602.4	633.8	645.1	644.6
37,5°	92.7	94.4	96.3	101.1	117.7	169.8	285.2	455.0	584.0	640.3	662.1	667.4	662.8
40,0°	87.5	89.8	92.7	98.1	113.5	163.9	291.4	490.8	633.5	679.9	691.7	688.9	677.7
42,5°	77.3	81.3	85.8	92.5	109.3	159.8	299.3	529.4	694.1	728.1	727.6	713.2	694.0
45,0°	68.2	72.2	77.0	85.8	103.7	154.9	306.0	568.0	769.4	798.6	783.8	759.0	739.9
47,5°	61.6	66.6	73.1	82.4	100.9	154.4	312.3	614.4	857.9	899.0	875.5	856.5	842.3
50,0°	58.5	66.4	74.2	82.1	98.2	153.9	324.6	660.4	965.3	1054.1	1044.8	1002.9	951.6
52,5°	56.6	68.2	75.5	80.3	93.9	157.4	361.3	716.0	1083.9	1248.7	1244.2	1148.0	1058.4
55,0°	55.6	70.3	76.7	77.3	87.4	151.3	361.6	714.2	1079.1	1364.3	1420.2	1306.5	1168.2
57,5°	54.6	69.0	78.5	74.0	77.4	111.7	235.3	473.7	809.5	1278.4	1493.7	1296.9	1008.3
60,0°	49.2	58.8	74.8	71.2	69.7	86.2	129.8	224.4	404.7	811.1	1116.5	815.9	542.6
62,5°	40.9	45.6	70.3	70.4	65.9	78.3	92.4	113.9	156.8	249.6	409.2	307.8	214.3
65,0°	36.1	39.3	70.3	75.9	66.2	72.5	78.5	81.0	89.4	103.3	123.8	124.1	101.1
67,5°	36.3	40.2	75.4	82.4	65.7	63.8	64.1	63.8	68.8	75.8	82.1	79.4	71.2
70,0°	40.2	44.6	67.7	71.5	56.5	50.7	49.2	51.6	59.5	62.7	63.2	61.6	56.2
72,5°	43.1	45.6	49.1	45.7	42.8	37.2	36.8	42.9	52.1	51.9	48.1	49.8	44.3
75,0°	29.4	29.5	30.2	31.1	30.7	28.2	29.3	34.7	44.6	44.3	36.9	37.9	35.3
77,5°	18.4	20.2	22.3	24.6	20.6	19.5	21.6	25.7	35.5	36.4	29.4	27.6	26.2
80,0°	10.7	12.2	14.0	13.0	11.4	12.3	13.9	17.0	25.0	25.9	20.4	18.8	18.2
82,5°	5.5	6.4	6.7	6.0	6.2	7.3	8.5	10.3	14.6	15.5	12.8	11.8	11.3
85,0°	2.5	2.6	2.6	2.7	2.8	3.5	4.3	5.0	6.6	7.0	6.4	6.1	5.9
87,5°	0.8	0.8	0.8	0.9	0.9	1.1	1.3	1.5	1.8	1.9	1.9	1.8	1.8
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

Lichttechnischer Prüfbefund

Familie Floodlight 20 maxi LED	Bestell-Nr.: 5XA7694F2N1AD EAN: 4058352397893	LP-Nummer 58591_10
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°	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2
2,5°	150.4	150.7	151.2	151.4	151.8	151.9	131.3	129.4	127.9	126.5	125.1	123.6	122.2
5,0°	171.5	172.8	173.8	174.6	175.0	175.4	128.5	125.0	122.0	119.3	117.0	114.9	113.0
7,5°	192.4	194.6	196.3	197.7	198.5	198.9	125.9	121.2	117.6	114.6	112.3	110.4	109.1
10,0°	217.1	221.6	225.1	227.8	229.5	229.9	123.1	118.2	114.7	112.3	110.9	110.0	109.4
12,5°	256.0	264.9	272.1	277.5	280.7	281.8	119.9	115.6	113.0	111.9	111.4	111.3	111.1
15,0°	311.5	325.5	335.8	343.3	348.1	349.7	116.3	113.2	112.1	112.0	112.3	112.3	112.1
17,5°	380.7	396.2	406.3	412.7	416.9	418.7	112.9	111.3	111.1	111.7	112.3	112.3	111.6
20,0°	443.8	455.1	460.9	463.6	465.4	466.5	110.0	109.5	110.0	110.8	111.2	110.7	109.4
22,5°	497.0	502.0	502.4	500.8	500.2	500.5	107.7	107.8	108.5	109.2	109.0	107.7	105.9
25,0°	537.7	537.0	532.9	528.0	525.1	524.5	105.5	105.7	106.6	106.8	106.1	104.2	102.3
27,5°	570.4	564.3	556.1	548.4	543.6	542.2	102.9	103.3	103.9	103.6	102.2	100.4	96.5
30,0°	594.3	584.0	572.2	562.0	556.4	554.8	100.1	100.6	100.5	99.6	98.3	96.0	86.1
32,5°	614.6	600.7	584.4	572.0	567.2	567.5	97.5	97.4	97.0	95.7	94.3	89.6	74.1
35,0°	633.4	615.1	593.7	579.8	573.2	571.3	94.7	94.2	93.2	91.8	89.8	78.6	66.9
37,5°	646.8	622.8	598.2	580.7	568.1	563.7	91.4	90.6	89.6	88.1	84.3	73.3	65.1
40,0°	656.3	627.4	600.9	579.9	566.8	563.3	84.8	83.5	83.0	82.2	79.2	71.2	63.8
42,5°	671.4	646.7	628.3	615.8	607.1	605.1	75.0	73.4	72.8	73.2	73.0	67.9	62.2
45,0°	732.1	723.3	714.0	704.4	695.8	694.1	65.1	63.4	62.8	63.4	64.6	62.5	59.2
47,5°	831.6	812.7	796.0	783.6	774.1	773.6	58.9	57.3	56.6	57.1	58.6	58.6	56.7
50,0°	914.8	890.4	880.9	873.7	867.8	867.8	54.5	53.4	53.1	53.8	55.9	56.8	55.4
52,5°	1003.7	978.8	970.6	952.6	934.0	927.4	51.1	50.3	50.2	51.1	53.8	56.0	55.2
55,0°	1042.0	944.8	879.4	804.6	747.8	728.6	48.6	47.6	47.3	48.4	51.9	55.6	55.8
57,5°	759.7	593.9	507.1	433.5	396.0	387.8	46.6	44.6	44.6	45.3	49.7	56.4	58.0
60,0°	373.9	277.2	242.5	205.0	184.9	180.1	43.3	41.9	42.1	42.7	48.2	59.1	62.6
62,5°	155.3	118.2	108.0	93.9	88.2	86.7	39.1	39.2	40.1	40.6	47.3	62.4	70.1
65,0°	82.5	74.0	72.7	71.1	68.3	64.8	36.0	37.5	38.9	39.5	46.8	64.1	76.3
67,5°	62.8	61.6	67.8	65.5	63.3	59.4	34.7	35.9	38.4	38.2	43.2	58.9	75.8
70,0°	49.5	49.8	58.7	59.4	59.7	57.2	36.6	34.9	36.7	35.5	37.6	46.9	63.3
72,5°	38.7	37.3	45.9	51.6	55.9	55.8	38.4	31.9	32.0	30.4	31.1	36.1	41.7
75,0°	30.7	28.6	32.7	42.4	49.9	53.5	26.4	24.3	25.3	24.2	25.2	29.4	30.7
77,5°	24.0	21.7	23.0	31.0	41.0	46.9	17.6	17.6	18.8	18.2	19.9	22.6	22.9
80,0°	17.6	15.8	15.9	20.2	28.3	32.6	10.2	11.2	12.6	12.5	14.2	15.0	15.1
82,5°	11.5	10.6	10.3	12.1	15.6	17.3	5.7	6.6	7.5	7.5	8.5	8.8	8.9
85,0°	5.8	5.5	5.5	5.9	6.3	6.4	2.6	3.1	3.5	3.6	4.0	4.4	4.5
87,5°	1.7	1.7	1.8	1.8	1.8	1.7	0.8	1.0	1.1	1.2	1.4	1.5	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
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

Lichttechnischer Prüfbefund

Familie Floodlight 20 maxi LED	Bestell-Nr.: 5XA7694F2N1AD EAN: 4058352397893	LP-Nummer 58591_10
---	--	-------------------------------------

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°	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	0.2	0.2
2,5°	120.8	119.5	118.3	117.1	116.2	115.5	114.9	114.4	114.1	114.0	113.8	1.6	1.8
5,0°	111.2	109.7	108.5	107.6	106.8	106.3	105.9	105.7	105.6	105.4	105.3	3.3	5.0
7,5°	108.0	107.2	106.6	106.0	105.7	105.4	105.3	105.2	105.2	105.2	105.1	5.1	10.1
10,0°	108.8	108.3	107.7	107.2	106.8	106.4	106.1	105.8	105.7	105.7	105.7	7.1	17.3
12,5°	110.7	109.9	109.1	107.9	106.8	105.8	104.8	104.0	103.6	103.4	103.3	9.5	26.8
15,0°	111.2	109.8	108.3	106.5	104.8	103.3	102.0	100.9	100.1	99.8	99.9	12.4	39.2
17,5°	110.1	108.0	105.8	103.7	101.6	99.2	96.4	93.8	91.8	90.8	90.5	15.7	54.9
20,0°	107.5	105.1	102.4	97.8	90.5	83.2	77.8	74.3	72.4	71.4	71.3	19.0	73.9
22,5°	103.9	100.7	92.7	82.0	74.8	71.2	69.4	68.4	67.5	67.0	66.6	22.4	96.3
25,0°	98.3	87.1	75.9	71.4	69.4	68.3	67.4	66.5	65.8	65.2	65.0	25.8	122.1
27,5°	84.3	73.6	69.8	68.5	67.8	66.8	65.7	64.9	64.3	63.8	63.8	29.3	151.4
30,0°	73.1	68.5	67.5	67.0	66.4	65.7	64.7	63.8	63.2	62.7	62.5	32.6	184.0
32,5°	66.9	66.2	65.8	65.5	64.9	64.4	63.4	62.4	61.7	61.2	60.9	36.0	220.0
35,0°	64.4	64.4	64.2	63.8	63.3	62.6	61.9	61.0	60.5	60.0	59.8	39.3	259.3
37,5°	62.4	62.8	62.7	62.1	61.5	61.3	61.2	61.3	61.1	60.8	60.5	42.4	301.7
40,0°	60.6	60.9	61.0	60.6	60.5	61.3	62.9	64.1	64.7	64.4	63.9	45.6	347.3
42,5°	59.0	59.1	59.5	59.9	61.1	63.8	67.4	70.2	71.3	71.4	71.0	49.6	396.9
45,0°	56.9	57.0	58.4	60.8	64.1	69.5	75.6	79.9	82.0	82.6	82.4	55.8	452.7
47,5°	55.1	55.6	58.3	62.9	69.6	78.0	86.7	92.1	94.3	95.2	95.0	63.9	516.6
50,0°	54.1	55.7	60.2	67.2	77.8	89.6	100.4	105.4	106.5	107.3	107.1	73.8	590.5
52,5°	53.8	56.7	63.5	73.4	86.7	101.6	113.2	116.9	115.6	115.9	115.8	84.7	675.2
55,0°	54.4	58.4	67.9	80.3	95.5	111.5	123.2	124.8	121.1	120.6	120.3	87.9	763.0
57,5°	55.9	60.7	72.1	86.2	101.6	117.6	128.7	128.9	123.0	121.7	121.2	72.9	835.9
60,0°	59.3	63.4	75.3	89.1	104.5	119.5	129.2	128.0	120.1	118.2	117.4	47.7	883.6
62,5°	67.0	66.2	75.9	89.1	103.4	116.2	123.5	121.7	112.8	110.0	109.3	26.4	910.0
65,0°	75.5	70.2	74.9	86.2	98.8	109.1	113.9	111.7	102.2	99.2	98.8	19.3	929.2
67,5°	78.6	72.9	72.5	79.4	90.0	98.2	100.2	97.9	89.4	87.3	87.9	17.3	946.5
70,0°	72.2	67.7	66.6	70.4	78.7	85.4	83.5	81.9	75.7	73.3	77.5	15.2	961.7
72,5°	50.2	53.5	54.5	58.3	64.6	69.5	63.6	62.6	59.4	57.1	66.1	12.5	974.2
75,0°	32.4	36.9	41.3	45.3	50.3	53.6	47.3	44.4	42.8	41.9	53.4	9.6	983.8
77,5°	22.9	25.7	29.3	32.4	36.0	38.3	32.8	30.1	28.5	29.2	34.3	7.1	990.8
80,0°	15.2	16.7	19.0	21.1	23.3	25.0	21.6	19.7	19.0	18.9	18.5	4.7	995.5
82,5°	9.2	10.0	11.4	12.5	13.7	14.3	12.4	11.5	11.4	11.4	11.0	2.8	998.3
85,0°	4.4	4.4	5.0	4.8	5.9	5.7	5.2	5.3	5.7	6.3	5.9	1.3	999.6
87,5°	1.6	1.4	1.7	1.6	2.0	1.9	1.8	1.8	2.0	2.3	2.0	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
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 20 maxi LED	Bestell-Nr.: 5XA7694F2N1AD EAN: 4058352397893	LP-Nummer 58591_10
Dimmstufen-Tabelle		siteco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	124890	947.7
95	237	251	118731	881.2
90	220	248	112214	815.1
85	205	246	106191	757.3
80	190	243	99902	700.3
75	176	240	93811	647.0
70	162	237	87495	593.9
65	148	233	80950	541.3
60	135	230	74767	492.7
55	123	227	68896	448.1
50	110	222	62364	400.0
45	98	218	56189	355.9
40	86	213	49886	312.0
35	74	208	43453	268.1
30	63	202	37485	227.7
25	52	195	31380	187.9
20	41	186	25160	148.5
15	30	175	18863	109.8
10	19	160	12468	72.3

Dimmstufen-Tabelle

Umgebungstemperatur: 10°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	128941	953.6
95	237	251	122338	887.8
90	222	249	116065	828.2
85	206	246	109394	767.5
80	192	243	103018	712.2
75	178	241	96779	659.8
70	164	237	90316	607.5
65	151	234	83887	556.9
60	137	231	77189	505.7
55	125	227	70790	458.0
50	112	223	64461	412.3
45	100	219	57821	365.5
40	88	214	51628	322.6
35	76	209	44966	277.7
30	65	203	38735	235.9
25	54	196	32516	195.3
20	42	187	25822	152.9
15	31	176	19319	112.9
10	20	161	12915	75.2
10	19	159	12313	71.7

Lichttechnischer Prüfbefund

Familie
Floodlight 20 maxi LED

Bestell-Nr.: 5XA7694F2N1AD
EAN: 4058352397893

LP-Nummer
58591_10

Lichtstrom-Tabelle

sITeco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	124890.0	947.7
10.0	128950.0	953.7