

Lichttechnischer Prüfbefund

Familie
Floodlight 20 midi LED

Bestell-Nr.: 5XA7682D1A4AC
EAN: 4058352222416

LP-Nummer
58576_3



Ausführung Mastflanschadapter
Optik asymmetrisch strahlend PL43
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung 1 x LED 3000K / CRI ≥ 80
 (unbekannt LED 3000K / CRI = 80)
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14980 lm
 Systemleistung = 142.0 W
 Lichtausbeute = 105.5 lm/W

Seriendokumentation
25.08.2021

siteco

Lichtstärke in cd/klm

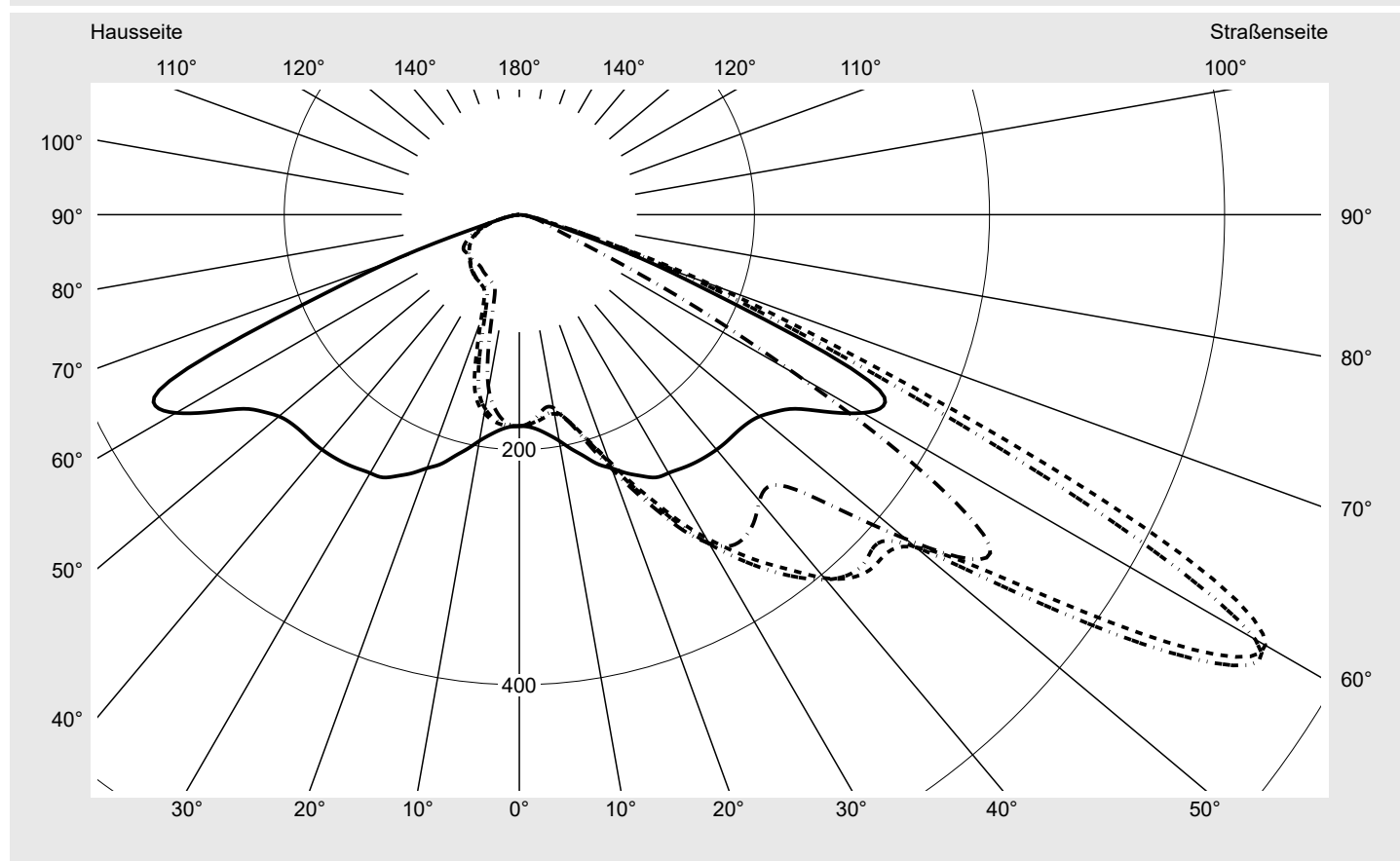
C180-0

C230-50

C235-55

C270-90

Imax: 733 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G6
 Imax 70° 250.7
 Imax 80° 13.8
 Imax 90° 0.0
 Imax >90° 0.0
 Imax >95° 0.0

Messbedingungen

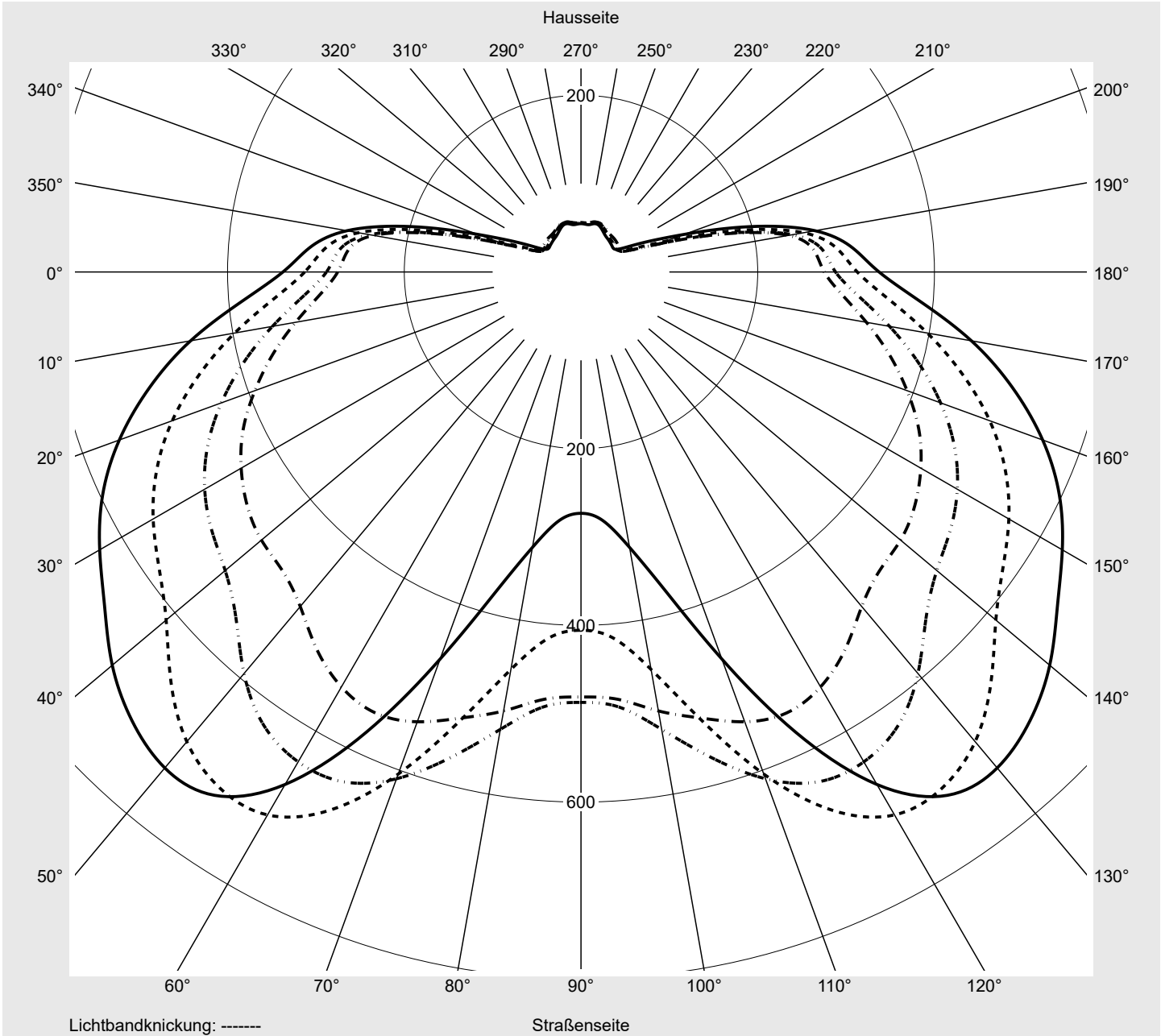
DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Floodlight 20 midi LED	Bestell-Nr.: 5XA7682D1A4AC EAN: 4058352222416	LP-Nummer 58576_3
--	--	-----------------------------



Kegelmantelkurven in cd/klm **KMK 60°** **KMK 57,5°** **KMK 55°** **KMK 52,5°**



Lichttechnischer Prüfbefund

Familie Floodlight 20 midi LED	Bestell-Nr.: 5XA7682D1A4AC EAN: 4058352222416	LP-Nummer 58576_3
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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2,5°	180.7	180.4	180.3	180.3	180.2	180.2	180.1	179.9	179.6	179.4	179.2	178.9	178.7
5,0°	183.7	183.4	182.9	182.4	181.8	181.2	180.4	179.5	178.5	177.5	176.6	175.7	174.9
7,5°	188.8	188.0	186.9	185.6	184.1	182.6	180.9	179.0	177.0	175.1	173.3	171.8	170.3
10,0°	195.5	194.5	192.6	190.3	187.8	185.1	182.2	179.4	176.6	174.2	172.1	170.5	169.2
12,5°	204.2	202.3	199.5	196.0	192.4	188.8	185.5	182.6	180.2	178.5	177.4	176.7	176.5
15,0°	212.7	210.5	206.6	202.2	198.1	194.5	191.7	189.8	188.7	188.2	188.6	189.0	189.2
17,5°	222.6	218.8	214.2	209.6	205.7	202.9	201.4	201.1	202.0	203.2	204.3	205.5	206.5
20,0°	229.6	226.1	221.4	216.9	213.9	212.6	213.3	215.5	217.8	220.3	222.9	225.1	227.0
22,5°	238.0	233.6	228.9	225.2	223.5	224.4	228.1	232.3	236.6	241.1	245.4	249.1	250.8
25,0°	245.3	242.0	238.0	235.4	235.1	238.8	244.2	250.4	256.6	262.6	267.9	272.3	275.4
27,5°	252.1	248.7	246.0	245.2	248.7	255.8	263.3	271.1	278.8	286.6	293.6	298.6	302.1
30,0°	253.9	252.1	250.7	252.4	259.9	269.9	280.3	290.3	299.9	309.1	317.3	323.8	328.0
32,5°	256.1	255.0	255.6	260.4	271.1	283.3	295.9	308.4	320.0	330.1	339.6	347.2	351.5
35,0°	258.4	258.8	262.3	270.7	283.3	297.5	311.7	325.9	339.5	351.0	361.1	369.2	372.1
37,5°	259.9	262.2	269.2	281.6	295.7	311.3	327.3	343.0	358.0	371.4	381.6	388.9	388.5
40,0°	261.1	265.5	276.9	292.5	308.5	325.7	343.7	361.7	378.1	393.0	403.6	405.4	400.4
42,5°	261.5	268.2	284.0	302.1	321.0	340.5	360.0	379.7	396.9	411.3	418.8	415.4	406.2
45,0°	261.6	270.9	290.5	311.6	332.9	354.4	376.5	396.4	412.8	424.4	424.9	416.8	401.9
47,5°	263.0	275.1	297.2	320.8	344.1	366.4	387.2	405.7	419.4	427.7	425.2	413.8	401.7
50,0°	267.0	283.1	309.3	337.2	363.9	388.2	409.6	426.5	438.2	442.5	440.2	440.2	447.9
52,5°	275.3	296.7	328.0	361.3	392.7	421.9	444.1	461.2	472.1	478.0	494.3	521.3	542.3
55,0°	288.0	315.6	354.6	395.1	433.1	466.3	491.8	510.1	525.7	552.5	593.3	626.2	640.2
57,5°	312.7	349.0	398.0	446.9	492.3	529.8	559.1	583.1	612.9	656.3	694.0	712.9	709.6
60,0°	337.3	385.8	448.7	505.5	556.0	597.4	629.0	658.3	692.5	718.5	732.8	723.1	669.8
62,5°	350.0	407.7	477.2	540.5	593.3	632.6	659.3	681.3	689.2	682.0	654.5	579.5	477.7
65,0°	316.3	376.8	447.1	504.0	548.1	577.7	594.3	595.3	578.0	540.7	466.8	384.3	313.0
67,5°	196.1	254.1	308.0	354.9	392.3	417.5	425.2	415.6	385.9	336.8	287.6	242.8	197.9
70,0°	116.8	142.9	168.8	199.2	226.4	242.1	250.7	246.5	228.8	200.6	173.1	148.7	126.7
72,5°	48.9	42.1	39.5	55.6	105.4	131.8	133.6	125.8	106.5	85.8	80.1	78.5	69.5
75,0°	22.3	19.5	19.2	20.9	34.8	56.7	57.8	50.8	30.9	26.0	32.2	32.5	30.1
77,5°	13.4	12.3	12.2	12.9	16.0	21.6	22.1	17.4	15.3	15.3	17.4	19.0	21.7
80,0°	7.7	7.4	7.7	8.1	8.7	10.2	10.2	9.4	9.7	10.0	10.4	10.9	12.2
82,5°	4.1	4.1	4.3	4.6	4.8	5.1	5.7	5.7	5.9	6.0	6.1	6.0	5.9
85,0°	1.9	1.8	1.9	2.0	2.2	2.4	2.6	2.8	2.8	2.8	2.7	2.6	2.4
87,5°	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	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

Lichttechnischer Prüfbefund

Familie Floodlight 20 midi LED	Bestell-Nr.: 5XA7682D1A4AC EAN: 4058352222416	LP-Nummer 58576_3
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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2,5°	178.4	178.2	178.1	178.0	177.9	177.9	180.8	180.8	180.8	180.8	180.7	180.7	180.6
5,0°	174.1	173.4	172.9	172.6	172.5	172.5	184.0	183.9	183.7	183.4	183.0	182.4	181.8
7,5°	169.0	167.8	167.0	166.4	166.1	166.0	189.0	188.8	188.2	187.3	186.2	184.7	182.9
10,0°	168.2	167.4	167.0	166.8	166.9	166.9	196.1	195.7	194.6	192.8	190.4	187.3	183.8
12,5°	176.3	176.2	176.2	176.5	176.6	176.7	204.8	204.3	202.6	199.6	195.5	190.6	184.6
15,0°	189.4	189.4	189.7	190.1	190.5	190.5	214.0	213.3	210.7	206.2	200.3	192.9	184.0
17,5°	207.3	208.0	208.5	209.2	209.8	209.9	223.3	222.1	218.4	212.3	204.0	193.6	180.1
20,0°	228.2	228.8	229.4	229.9	230.3	230.3	231.5	229.8	224.9	217.0	205.7	190.3	166.4
22,5°	252.4	252.9	253.3	253.8	254.0	253.8	239.6	237.7	231.4	220.5	203.7	177.1	144.0
25,0°	276.7	276.9	277.0	277.7	278.0	277.7	247.5	245.1	236.8	222.0	193.8	156.1	119.5
27,5°	303.6	303.1	302.4	303.2	303.6	303.3	253.3	250.0	239.7	217.0	174.8	130.8	95.4
30,0°	328.6	326.1	324.3	324.2	323.9	322.9	255.2	251.2	238.8	203.2	152.9	107.3	78.5
32,5°	350.6	346.3	343.1	340.9	337.1	334.2	257.1	252.7	235.1	186.8	130.3	88.3	69.8
35,0°	368.8	361.3	356.5	350.6	340.0	334.7	258.7	253.5	225.8	166.7	106.8	73.1	65.2
37,5°	380.8	369.5	363.2	351.9	334.9	328.5	259.4	252.9	212.7	146.0	88.0	65.4	62.8
40,0°	387.7	373.0	363.3	343.5	323.9	317.9	259.7	250.3	199.2	127.8	76.1	61.9	60.7
42,5°	390.0	371.4	353.5	331.6	318.1	313.9	259.4	246.9	189.4	115.0	70.4	59.4	58.8
45,0°	384.4	366.9	352.3	340.9	332.2	329.9	258.7	243.2	181.7	105.8	65.8	57.1	57.0
47,5°	396.0	389.7	384.4	380.6	373.9	373.2	258.9	240.0	175.3	100.4	62.3	55.0	55.2
50,0°	458.1	458.1	448.9	441.8	432.1	429.5	260.8	237.4	169.3	94.5	59.2	53.0	53.5
52,5°	550.7	541.8	522.6	504.5	485.6	481.0	265.5	238.4	165.7	91.4	57.0	51.1	51.7
55,0°	636.6	610.4	568.8	525.7	494.3	487.2	275.3	243.2	167.6	91.4	55.9	49.3	49.7
57,5°	672.1	604.8	524.7	456.8	415.8	405.5	292.0	255.8	180.6	101.7	61.0	48.6	47.5
60,0°	574.7	466.3	375.8	316.6	282.4	273.2	309.0	268.9	198.3	124.4	79.5	53.3	45.7
62,5°	381.2	303.5	247.0	203.1	171.1	163.0	313.6	273.2	210.0	145.1	101.0	67.1	46.2
65,0°	254.3	201.4	146.7	98.7	73.7	72.1	277.5	248.6	202.2	149.0	104.6	72.8	50.4
67,5°	162.1	121.9	57.2	40.9	37.9	36.6	147.3	155.0	152.5	128.7	92.2	62.6	49.8
70,0°	105.4	79.1	39.4	31.3	29.5	28.0	47.6	43.2	62.9	70.1	56.8	49.6	43.3
72,5°	55.6	44.1	29.7	23.8	22.1	20.8	26.2	23.8	25.9	32.8	30.3	29.8	29.6
75,0°	29.5	29.7	23.0	18.3	17.0	15.7	18.4	16.6	17.8	20.4	20.1	19.7	19.5
77,5°	24.2	22.5	16.4	13.4	12.2	11.1	13.5	11.8	12.6	13.9	13.6	13.6	13.5
80,0°	13.8	12.7	10.0	9.0	7.9	7.1	7.8	7.7	8.0	8.9	8.9	8.8	8.8
82,5°	5.7	5.7	5.2	4.6	4.1	3.8	4.3	4.4	4.5	4.9	5.2	5.2	5.3
85,0°	2.2	2.0	1.8	1.6	1.5	1.4	2.0	2.0	2.1	2.3	2.4	2.5	2.5
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.0	1.0	1.0	1.0
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	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 midi LED	Bestell-Nr.: 5XA7682D1A4AC EAN: 4058352222416	LP-Nummer 58576_3
--	--	-----------------------------

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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	0.3	0.3
2,5°	180.5	180.3	180.0	179.8	179.6	179.4	179.1	178.9	178.7	178.7	178.8	2.1	2.4
5,0°	181.0	180.2	179.2	178.2	177.2	176.4	175.5	174.8	174.4	174.2	174.1	4.3	6.7
7,5°	180.8	178.6	176.4	174.2	172.0	170.0	168.2	166.7	165.6	165.1	164.9	6.3	13.0
10,0°	179.9	175.8	171.6	167.6	163.5	159.9	156.7	153.9	151.9	150.8	150.4	8.4	21.4
12,5°	178.0	171.0	163.7	156.5	149.3	142.5	136.1	130.8	127.0	124.6	123.8	10.4	31.8
15,0°	173.7	161.6	147.6	133.7	121.5	111.6	103.7	97.8	93.7	91.2	90.4	12.4	44.2
17,5°	160.5	139.0	119.5	103.6	91.7	83.3	77.4	73.6	71.1	69.7	69.2	14.5	58.7
20,0°	138.8	114.2	95.2	82.1	74.1	69.9	67.5	66.0	64.9	64.1	63.8	16.8	75.5
22,5°	114.0	92.0	78.5	71.5	68.4	66.7	65.3	64.0	63.0	62.2	61.8	19.5	95.0
25,0°	92.1	76.9	70.6	68.4	67.0	65.7	64.4	63.2	62.0	60.9	60.5	22.3	117.3
27,5°	76.0	69.9	68.2	67.3	66.3	65.3	64.0	62.6	61.2	59.9	59.2	25.3	142.7
30,0°	69.2	67.5	67.0	66.5	66.0	65.1	63.9	62.3	60.7	59.0	58.2	28.3	171.0
32,5°	66.4	65.9	65.9	65.9	65.8	65.1	63.7	62.0	60.1	58.2	57.1	31.3	202.3
35,0°	64.3	64.3	64.7	65.1	65.2	64.7	63.3	61.3	59.2	57.1	55.9	34.1	236.4
37,5°	62.5	62.8	63.3	64.0	64.2	63.9	62.6	60.7	58.6	56.4	55.0	36.8	273.2
40,0°	60.8	61.3	61.9	62.5	63.0	62.9	62.0	60.3	58.3	56.2	54.9	39.3	312.5
42,5°	59.2	59.8	60.2	61.0	61.6	62.1	61.6	60.0	58.1	56.3	55.1	41.7	354.3
45,0°	57.5	58.1	58.5	59.1	60.2	61.3	61.1	59.6	58.0	56.4	55.2	44.2	398.5
47,5°	55.9	56.5	56.7	57.3	58.8	60.4	60.6	59.2	57.6	56.2	55.1	47.2	445.7
50,0°	54.3	54.8	55.0	55.7	57.5	59.4	59.9	58.8	57.0	55.8	55.0	52.3	498.0
52,5°	52.5	53.2	53.5	54.3	56.1	58.3	59.3	58.5	56.9	55.7	55.2	59.5	557.5
55,0°	50.6	51.4	52.0	52.9	54.7	57.4	58.8	58.6	56.7	55.8	55.6	67.2	624.7
57,5°	48.3	49.4	50.2	51.3	53.2	56.2	58.2	58.2	56.1	55.7	56.0	73.8	698.5
60,0°	45.8	46.8	47.9	49.2	51.4	54.4	56.9	56.6	54.4	54.3	54.7	75.4	773.9
62,5°	43.1	43.7	44.7	46.1	48.5	51.4	54.1	53.6	51.5	51.2	51.5	70.8	844.7
65,0°	41.0	40.4	41.3	42.9	45.0	48.1	50.7	50.1	47.7	47.1	47.5	59.6	904.3
67,5°	40.3	36.4	37.3	38.9	41.3	44.1	45.9	44.8	41.9	41.5	42.4	41.3	945.6
70,0°	36.6	32.1	32.9	34.8	37.1	39.4	40.3	38.5	35.5	36.6	37.0	25.2	970.8
72,5°	27.7	26.2	27.5	29.5	31.6	33.3	33.6	30.8	28.6	31.2	32.2	13.1	983.9
75,0°	19.9	20.5	21.9	23.7	25.4	26.8	26.5	23.8	21.8	23.3	24.5	6.9	990.8
77,5°	13.9	14.6	15.4	17.1	18.7	19.9	18.8	16.8	15.2	15.4	15.8	4.3	995.1
80,0°	9.1	9.5	10.1	11.1	12.3	12.9	11.8	10.5	9.4	9.1	8.9	2.6	997.7
82,5°	5.4	5.6	5.9	6.1	6.3	6.2	5.8	5.2	4.7	4.5	4.4	1.4	999.1
85,0°	2.5	2.5	2.6	2.7	2.7	2.7	2.6	2.3	2.1	2.0	2.0	0.6	999.8
87,5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.2	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 midi LED	Bestell-Nr.: 5XA7682D1A4AC EAN: 4058352222416	LP-Nummer 58576_3
--	--	-----------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14980	142.0
95	241	252	14231	134.1
90	226	250	13482	126.2
85	211	247	12733	118.6
80	197	245	11984	111.1
75	185	242	11235	103.6
70	171	239	10486	96.3
65	157	236	9737	89.2
60	144	233	8988	82.2
55	130	230	8239	75.4
50	118	226	7490	68.6
45	106	222	6741	61.9
40	94	217	5992	55.3
35	81	212	5243	48.9
30	69	206	4494	42.6
25	57	199	3745	36.4
20	45	191	2996	30.3
15	34	181	2246	24.2