

Lichttechnischer Prüfbefund

Familie
Streetlight 21 midi LED

Bestell-Nr.: 5XE3U31D08NB
EAN: 4069025150868

LP-Nummer
59537_80



Ausführung Mastansatz- / Mastaufsatzmontage
Optik asymmetrisch, extrem breit strahlend (P0.8a G)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 23430 lm
 Systemleistung = 155.5 W
 Lichtausbeute = 150.7 lm/W

Seriendokumentation
18.01.2024

siteco

Lichtstärke in cd/klm

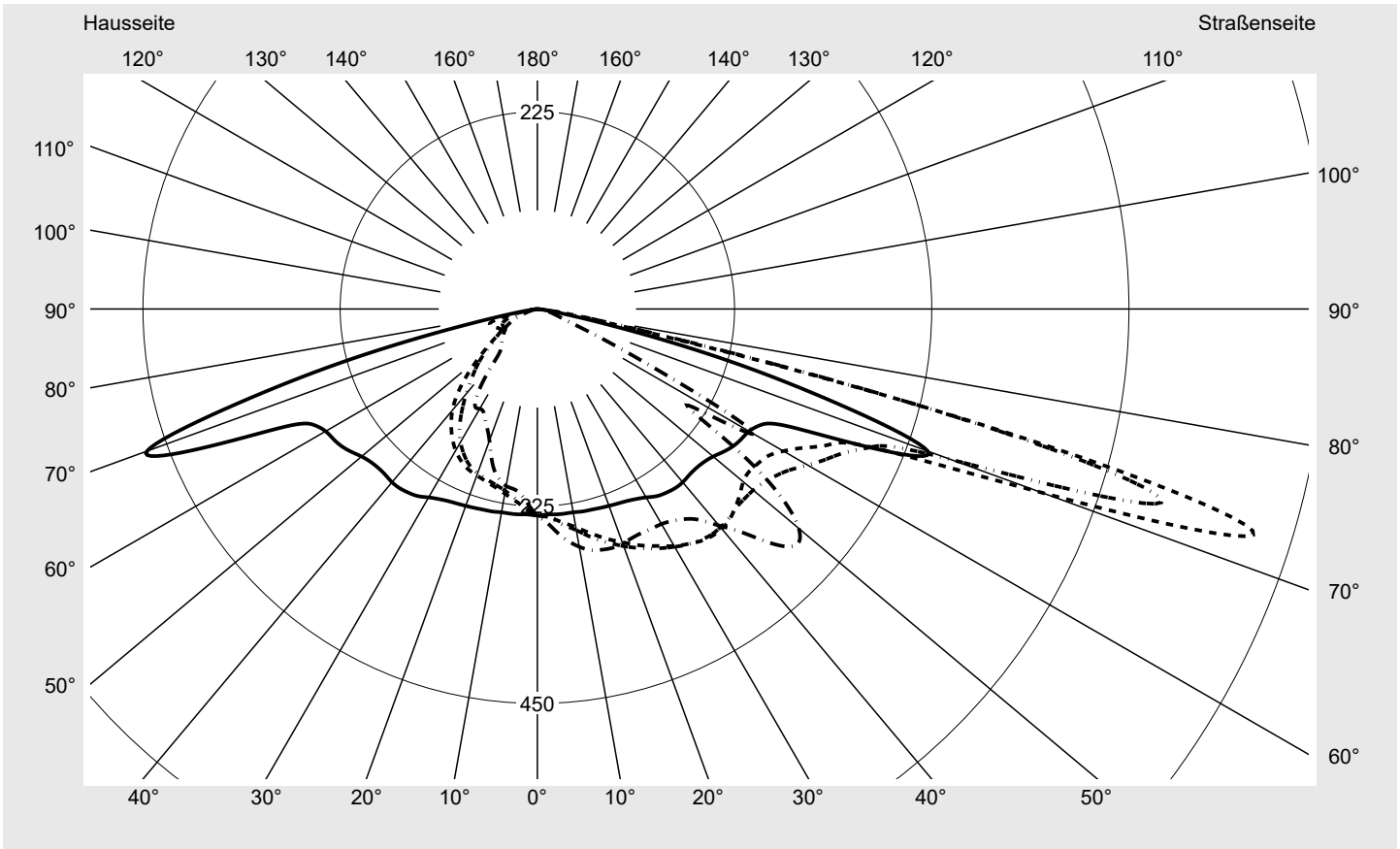
C180-0

C205-25

C210-30

C270-90

Imax: 856 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G3
 Imax 70° 618.8
 Imax 80° 68.3
 Imax 90° 0.0
 Imax >90° 0.0
 Imax >95° 0.0

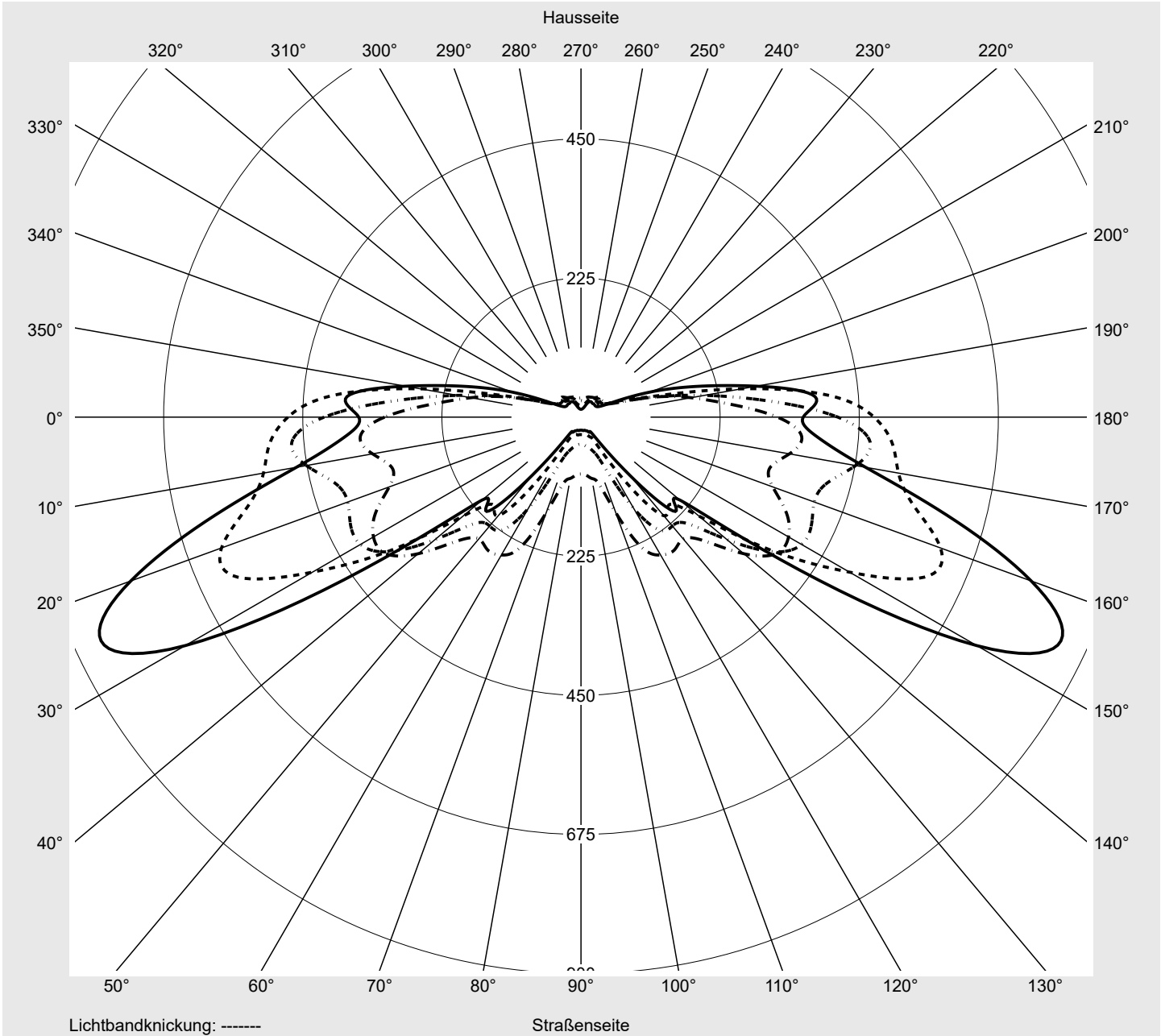
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 72,5°** **KMK 70°** **KMK 67,5°** **KMK 65°** **siteco**



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Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3U31D08NB EAN: 4069025150868	LP-Nummer 59537_80
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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	234.7	235.2	235.9	236.3	236.6	236.6	237.1	238.2	239.1	239.6	240.2	240.8	241.4
5,0°	235.2	235.6	236.3	237.6	239.5	241.3	243.0	244.7	246.6	248.1	249.5	251.0	252.0
7,5°	235.5	236.3	238.0	240.8	243.9	246.8	249.7	252.2	254.9	256.9	258.9	260.6	262.1
10,0°	235.5	236.9	240.3	244.4	248.7	252.8	256.3	259.5	262.8	265.6	267.6	269.4	270.9
12,5°	236.6	239.6	244.5	249.8	255.3	260.4	264.8	268.6	271.6	274.3	276.7	278.4	279.6
15,0°	237.1	242.1	248.6	255.9	262.4	268.1	272.9	276.0	279.3	281.8	283.4	284.4	285.0
17,5°	238.0	245.1	253.5	262.0	269.7	275.9	280.4	284.2	286.5	288.0	288.8	288.8	288.4
20,0°	239.0	248.9	259.1	268.7	277.4	283.1	288.0	290.8	292.2	293.0	292.9	292.1	290.8
22,5°	240.2	252.1	264.0	275.5	284.7	291.0	294.8	297.0	297.3	297.0	295.8	293.9	291.9
25,0°	241.7	256.4	269.7	282.6	291.9	298.2	301.4	303.0	302.4	300.4	297.9	295.3	292.3
27,5°	244.4	261.7	277.2	290.5	299.8	304.8	307.5	308.4	306.8	303.6	299.8	296.2	293.4
30,0°	248.2	267.9	285.5	299.1	307.5	312.2	313.2	312.7	310.3	306.3	302.1	298.3	295.0
32,5°	253.2	275.1	294.8	308.3	315.3	318.1	318.6	316.5	312.9	309.0	305.2	301.4	299.1
35,0°	256.0	280.7	302.4	316.0	321.9	323.5	322.2	319.1	315.4	312.5	309.8	307.8	305.7
37,5°	257.8	284.8	307.2	321.0	325.8	326.7	325.1	321.5	317.8	316.2	316.4	317.1	315.6
40,0°	258.0	287.5	310.2	322.7	326.9	327.3	325.0	322.7	322.1	322.8	327.0	330.8	329.2
42,5°	256.7	287.7	310.0	321.3	324.3	325.0	323.6	324.2	327.6	332.7	340.5	346.4	346.9
45,0°	256.6	288.1	308.0	315.7	318.1	319.6	320.7	326.4	335.0	346.1	357.7	365.7	371.4
47,5°	258.2	288.9	305.8	309.5	309.7	313.4	320.5	332.2	346.1	362.6	377.2	387.9	396.1
50,0°	261.8	290.2	302.3	301.0	300.0	306.7	321.5	340.0	358.4	378.5	396.1	408.8	416.2
52,5°	267.6	293.4	300.8	295.4	293.1	304.6	325.3	350.3	370.6	391.3	406.9	415.8	411.4
55,0°	272.8	296.9	299.8	291.5	291.2	307.3	331.9	362.0	382.3	398.0	404.3	399.0	374.0
57,5°	276.0	299.2	298.8	289.2	292.4	312.1	341.7	374.1	390.1	391.8	379.5	349.4	309.6
60,0°	279.0	303.6	299.5	289.6	297.1	324.2	356.3	384.7	389.5	368.9	333.7	295.4	269.7
62,5°	286.9	315.3	307.8	295.1	308.6	343.0	371.4	388.3	374.0	327.5	286.9	271.6	282.6
65,0°	317.6	358.3	342.3	316.4	330.0	366.6	387.6	385.2	343.7	283.6	257.0	262.7	257.4
67,5°	415.5	469.6	451.1	412.1	401.5	411.4	411.9	379.6	308.1	243.4	229.9	223.3	170.3
70,0°	474.0	505.9	521.5	558.0	618.8	612.6	501.5	376.0	249.0	200.9	208.1	134.9	52.2
72,5°	359.4	385.8	467.5	612.6	774.9	856.4	739.2	430.1	208.5	215.7	123.1	38.5	28.0
75,0°	217.0	235.1	244.0	284.5	439.0	598.5	574.8	446.3	365.7	173.9	47.3	23.6	20.9
77,5°	84.6	127.6	114.0	114.9	138.6	182.9	201.9	296.7	316.9	127.3	20.5	18.5	15.7
80,0°	25.9	36.3	41.1	42.9	45.7	50.6	56.5	68.3	62.6	24.9	14.8	12.0	10.8
82,5°	6.9	8.1	10.0	11.8	13.7	15.5	15.0	11.3	10.2	7.8	6.8	7.0	6.3
85,0°	2.5	2.4	2.2	2.1	2.3	2.4	2.6	2.2	2.1	2.1	2.8	2.6	3.0
87,5°	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7
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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	242.1	242.7	242.9	243.3	243.6	243.6	233.9	232.6	232.1	231.5	230.4	229.4	228.4
5,0°	253.1	253.8	254.4	255.1	255.4	255.6	232.8	230.9	228.4	226.2	223.7	221.9	220.0
7,5°	263.4	264.5	265.3	266.1	266.5	266.8	232.3	228.5	224.9	221.8	218.5	216.0	213.6
10,0°	272.2	273.3	274.4	274.8	275.3	275.4	231.7	226.3	221.9	217.7	213.9	210.7	208.5
12,5°	280.0	280.4	281.1	281.0	281.6	281.7	231.8	225.0	219.1	214.2	210.0	207.1	205.4
15,0°	284.9	284.8	284.7	284.5	284.6	284.3	231.7	223.6	216.8	211.0	206.9	204.3	202.7
17,5°	287.8	286.8	286.2	285.8	285.7	285.6	231.9	222.1	214.2	208.2	204.3	201.6	199.7
20,0°	289.1	287.5	286.1	285.1	284.6	284.7	232.2	220.9	211.9	205.8	202.1	199.5	195.9
22,5°	289.6	286.9	284.9	283.4	282.6	282.7	231.3	219.0	209.4	203.8	200.0	196.1	190.4
25,0°	289.7	287.1	284.7	282.7	281.6	281.8	230.9	217.2	207.0	201.2	197.0	190.8	184.6
27,5°	290.7	288.1	285.3	283.5	282.2	282.4	231.0	215.8	204.8	198.3	192.1	183.6	175.8
30,0°	292.7	290.3	287.4	284.9	283.3	283.3	231.9	215.2	203.1	195.6	186.4	175.5	165.7
32,5°	296.9	294.2	290.9	288.1	286.8	286.7	233.9	215.1	201.6	192.3	179.1	165.3	151.3
35,0°	303.7	300.3	297.0	294.1	292.8	292.6	234.2	214.0	199.0	187.8	170.8	152.9	133.6
37,5°	312.8	310.0	307.3	304.8	303.4	303.2	232.9	211.7	195.9	181.7	161.4	139.5	117.8
40,0°	327.4	326.6	326.1	323.7	322.3	322.6	230.5	207.6	190.1	173.9	150.8	126.1	104.7
42,5°	348.4	350.5	351.2	347.7	345.8	345.6	225.6	199.9	180.2	161.5	137.5	113.5	93.3
45,0°	376.2	379.7	381.2	379.7	377.9	378.1	221.9	191.8	167.6	144.8	121.9	102.0	82.5
47,5°	401.7	405.0	405.0	402.3	399.3	399.3	220.2	184.5	154.2	125.7	104.8	91.2	73.0
50,0°	414.0	405.7	397.5	391.6	388.9	389.3	222.4	181.7	144.5	107.3	87.9	79.1	65.2
52,5°	392.1	370.1	354.6	348.1	346.3	348.2	226.1	181.6	137.5	92.3	73.1	67.3	60.3
55,0°	337.6	304.9	283.0	272.8	269.0	270.9	229.7	182.1	133.7	80.5	60.8	58.1	58.1
57,5°	271.5	242.0	225.0	215.8	207.8	205.0	230.4	179.6	129.0	73.2	51.8	51.4	55.3
60,0°	264.0	271.2	273.1	272.9	277.8	285.6	230.7	177.3	127.7	71.4	48.1	45.8	51.3
62,5°	283.7	274.7	259.6	225.0	192.5	183.4	228.9	175.1	126.4	72.1	48.4	43.7	47.7
65,0°	232.6	164.2	111.7	100.7	94.0	92.0	241.4	180.8	126.6	74.4	50.7	43.6	43.9
67,5°	86.7	59.5	51.2	47.7	44.6	43.8	302.9	202.7	126.9	77.2	53.7	43.0	39.8
70,0°	35.6	31.0	29.1	29.3	28.4	28.3	402.8	263.5	138.3	85.7	56.7	39.7	35.3
72,5°	25.1	23.4	22.0	22.1	21.3	21.1	380.0	288.0	191.6	118.1	56.9	34.6	30.1
75,0°	19.2	17.9	16.9	16.8	16.3	16.0	178.4	166.7	153.9	124.4	50.5	28.1	24.5
77,5°	13.8	13.2	12.3	11.9	11.7	11.6	58.4	60.7	56.1	51.7	29.3	20.7	18.3
80,0°	9.4	9.1	8.0	7.4	7.2	7.1	17.6	17.5	18.3	20.2	13.8	11.8	11.5
82,5°	5.4	5.0	4.4	4.2	4.0	3.9	5.6	5.5	5.2	6.9	6.1	6.0	5.6
85,0°	2.4	2.2	1.8	1.7	1.6	1.5	2.6	2.6	2.7	2.7	2.7	2.6	2.4
87,5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.5	1.5	1.6	1.5	1.4
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
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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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	0.4	0.4
2,5°	227.4	226.8	226.2	225.5	225.0	224.7	224.4	224.1	224.0	223.9	223.9	2.8	3.1
5,0°	218.1	217.3	216.1	214.8	213.9	213.4	213.2	212.8	212.6	212.6	212.5	5.6	8.7
7,5°	211.6	210.3	209.1	208.2	207.6	207.5	207.3	207.2	207.2	207.3	207.2	8.4	17.1
10,0°	207.0	206.1	205.5	205.1	204.9	204.7	204.6	204.9	205.0	205.1	205.0	11.2	28.3
12,5°	204.1	203.5	203.0	202.4	201.7	200.9	200.0	199.6	199.3	199.3	199.1	14.1	42.5
15,0°	201.6	200.3	198.8	196.6	194.9	193.4	192.0	190.9	190.4	190.3	190.1	16.9	59.4
17,5°	197.6	194.5	191.9	189.0	186.6	184.3	181.5	179.0	177.3	175.8	175.4	19.6	79.0
20,0°	191.3	187.9	184.5	181.4	176.1	171.1	166.9	163.7	161.5	160.3	159.8	22.1	101.1
22,5°	185.4	180.9	176.0	169.2	162.6	157.4	153.6	151.3	149.9	149.1	148.8	24.5	125.6
25,0°	178.6	171.8	163.2	156.0	150.1	146.1	143.5	142.0	141.0	140.4	140.3	26.8	152.4
27,5°	168.5	157.6	148.3	141.8	137.3	134.4	133.2	132.8	132.7	132.6	132.8	29.0	181.4
30,0°	153.4	141.7	133.3	127.7	125.4	125.3	126.7	128.6	130.2	131.1	131.4	31.2	212.6
32,5°	135.3	124.0	116.0	113.0	114.6	119.0	124.7	129.0	131.2	131.8	132.0	33.4	246.0
35,0°	117.2	104.7	97.8	98.8	106.1	114.2	119.2	121.3	120.9	119.8	119.3	35.4	281.4
37,5°	100.8	87.9	83.5	88.3	95.8	100.2	101.2	100.7	99.3	97.6	96.9	37.0	318.4
40,0°	86.5	75.2	74.8	79.6	81.5	81.7	80.8	77.9	74.4	72.0	71.1	38.7	357.1
42,5°	75.9	69.2	71.0	71.3	71.3	70.4	67.5	65.1	63.3	62.1	61.6	40.7	397.8
45,0°	68.4	67.4	67.8	67.4	67.1	64.5	62.3	60.7	59.5	58.6	58.2	43.2	441.0
47,5°	64.9	65.9	65.1	65.4	62.7	59.6	58.0	56.9	55.9	55.1	54.7	45.5	486.5
50,0°	63.3	63.8	63.9	61.7	57.5	55.3	54.2	53.1	52.2	51.6	51.4	47.0	533.6
52,5°	63.3	61.9	60.9	57.4	53.5	51.9	50.9	50.0	49.2	48.7	48.7	47.3	580.8
55,0°	61.7	58.2	57.1	52.8	49.6	48.4	47.5	46.8	46.3	46.2	46.3	45.9	626.7
57,5°	55.9	54.2	53.1	48.0	45.6	44.6	44.2	43.6	43.3	43.2	43.3	43.9	670.6
60,0°	50.9	51.2	49.0	43.8	42.0	41.0	41.0	41.3	41.4	41.3	41.4	45.6	716.2
62,5°	47.0	48.1	45.1	40.5	38.9	37.8	37.7	37.0	36.3	36.2	36.6	44.9	761.1
65,0°	43.3	45.0	42.0	38.3	36.9	35.6	34.7	32.8	31.3	30.9	31.2	42.1	803.2
67,5°	39.5	41.3	38.8	36.8	35.8	34.1	30.8	27.7	26.5	26.2	26.5	42.5	845.7
70,0°	35.4	36.0	34.3	34.0	33.6	31.2	25.9	21.9	20.1	19.3	19.1	46.5	892.2
72,5°	29.4	29.7	29.0	29.6	29.0	25.6	19.2	15.4	13.8	12.9	12.7	48.7	940.9
75,0°	23.6	23.4	23.0	23.9	24.0	20.0	13.7	10.2	9.1	8.2	8.1	34.4	975.3
77,5°	17.7	16.7	16.1	17.0	17.6	14.4	8.7	6.1	4.9	4.0	3.8	16.7	992.0
80,0°	11.2	10.2	9.2	9.6	10.6	8.1	5.1	3.3	2.2	1.4	1.2	5.4	997.4
82,5°	5.5	5.0	4.3	4.0	4.7	3.8	2.6	1.8	1.2	0.8	0.7	1.7	999.2
85,0°	2.3	2.1	1.8	1.6	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.6	999.7
87,5°	1.3	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.5	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

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Dimmstufen-Tabelle		siteco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	23430	155.5	162.3	158.9
95	241	252	22231	145.2	151.4	148.3
90	229	250	21124	136.1	141.8	139.0
85	216	248	19925	126.6	131.8	129.2
80	203	246	18726	117.4	122.2	119.8
75	190	243	17526	108.5	112.9	110.7
70	178	241	16419	100.5	104.6	102.6
65	165	238	15220	92.0	95.8	93.9
60	152	235	14021	83.8	87.1	85.4
55	140	232	12914	76.5	79.5	78.0
50	127	229	11715	68.7	71.5	70.1
45	114	225	10516	61.1	63.6	62.4
40	102	221	9409	54.3	56.5	55.4
35	89	216	8210	47.0	48.9	48.0
30	76	210	7011	39.8	41.3	40.6
25	63	203	5811	32.8	34.0	33.4
20	51	195	4704	26.6	27.6	27.1
15	38	184	3505	20.0	20.8	20.4
10	25	169	2306	13.6	14.1	13.8
9	23	166	2122	12.6	13.1	12.8

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	23430	151.3	157.7	154.5
95	241	252	22231	141.7	147.7	144.7
90	229	250	21124	133.1	138.7	135.9
85	216	248	19925	124.1	129.2	126.6
80	203	246	18726	115.4	120.2	117.8
75	190	243	17527	106.9	111.3	109.1
70	178	241	16420	99.2	103.3	101.2
65	165	238	15220	91.1	94.8	92.9
60	152	235	14021	83.1	86.5	84.8
55	140	232	12914	75.9	79.0	77.4
50	127	229	11715	68.3	71.1	69.7
45	114	225	10516	61.0	63.4	62.2
40	102	221	9409	54.2	56.4	55.3
35	89	216	8210	46.8	48.9	47.8
30	76	210	7011	39.8	41.3	40.6
25	63	203	5811	32.9	34.1	33.5
20	51	195	4704	26.7	27.7	27.2
15	38	184	3505	20.1	20.8	20.5
10	25	169	2306	13.8	14.2	14.0
9	23	166	2122	12.7	13.2	13.0

Lichttechnischer Prüfbefund

Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3U31D08NB EAN: 4069025150868	LP-Nummer 59537_80
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Dimmstufen-Tabelle	Umgebungstemperatur: 15°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	23430	153.0	159.4	156.2
95	241	252	22232	143.1	149.0	146.0
90	229	250	21125	134.3	139.8	137.0
85	216	248	19926	125.1	130.2	127.6
80	203	246	18726	116.2	120.9	118.6
75	190	243	17527	107.5	111.8	109.6
70	178	241	16420	99.7	103.7	101.7
65	165	238	15221	91.4	95.0	93.2
60	152	235	14022	83.3	86.6	84.9
55	140	232	12915	76.1	79.1	77.6
50	127	229	11716	68.4	71.1	69.8
45	114	225	10516	60.9	63.3	62.1
40	102	221	9409	54.2	56.2	55.2
35	89	216	8210	46.8	48.8	47.8
30	76	210	7011	39.8	41.2	40.5
25	63	203	5812	32.8	34.1	33.4
20	51	195	4705	26.6	27.6	27.1
15	38	184	3505	20.1	20.8	20.5
10	25	169	2306	13.7	14.1	13.9
9	23	166	2122	12.7	13.1	12.9

office

industry

traffic

retail

public

sports

Lichttechnischer Prüfbefund

Familie
Streetlight 21 midi LED

Bestell-Nr.: 5XE3U31D08NB
EAN: 4069025150868

LP-Nummer
59537_80

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	23430.0	155.5
5.0	23430.0	151.3
15.0	23430.0	153.0