

Lichttechnischer Prüfbefund

Familie
Streetlight 21 micro LED

Bestell-Nr.: 5XE1D33S08DB
EAN: 4058352805961

LP-Nummer
59076_964



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben

Optik direkt, asymmetrisch breit strahlend S100003

Abdeckung Einscheibensicherheitsglas (ESG)

Bestückung LED 3000 K | CRI ≥ 70

Betriebsgerät EVG-Smart Interface

Bemessungswerte Nettolichtstrom = 5110 lm
Systemleistung = 39.1 W
Lichtausbeute = 130.7 lm/W

Seriendokumentation
26.10.2022

siteco

Lichtstärke in cd/klm

C180-0

C205-25

C210-30

C270-90

Imax: 758 cd/klm



Leuchtenbetriebswirkungsgrade

Eta 100.0%

Eta 0° - 90° 100.0%

Eta 90° - 180° 0.0%

Lichtstärkeklasse nach EN13201-2

Klasse: G3

Imax 70° 757.8

Imax 80° 95.1

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 70°** **KMK 67,5°** **KMK 65°** **KMK 62,5°** **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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	237.2	240.2	243.6	247.1	250.1	253.3	251.5	253.0	253.9	252.9	249.2	247.7	247.6
5,0°	244.6	247.2	246.5	245.5	245.0	244.3	240.5	238.5	236.3	236.3	235.1	233.7	233.4
7,5°	239.7	245.1	248.3	244.6	238.3	235.0	234.8	231.4	230.3	234.8	234.3	239.5	238.7
10,0°	240.7	249.2	251.4	243.9	239.9	238.9	238.4	242.1	240.6	240.8	243.3	249.6	251.2
12,5°	258.0	251.3	242.2	234.8	236.0	241.7	247.8	251.1	250.2	252.7	253.4	256.8	257.4
15,0°	262.2	249.0	244.4	246.5	247.0	249.2	257.5	261.4	264.2	266.4	265.5	261.6	261.2
17,5°	258.3	251.3	248.4	253.2	259.5	262.9	266.6	264.1	266.6	271.6	270.9	268.4	275.4
20,0°	251.9	249.8	249.6	255.8	262.8	269.8	275.4	276.2	274.3	273.3	279.4	281.1	281.7
22,5°	250.2	252.4	255.0	266.6	270.7	266.2	278.1	280.2	283.2	284.7	277.3	280.4	284.0
25,0°	258.8	258.1	263.4	267.5	275.0	285.0	283.0	287.9	292.3	291.9	288.1	291.2	291.4
27,5°	258.1	259.3	264.2	271.8	275.5	283.2	282.1	292.3	297.8	295.7	295.0	295.6	295.2
30,0°	261.0	264.7	278.4	274.8	287.8	295.8	295.6	301.4	307.5	307.5	302.4	301.2	298.5
32,5°	259.5	271.5	275.0	285.5	290.4	303.8	296.9	312.8	318.7	323.5	314.1	299.9	297.4
35,0°	270.2	277.9	282.4	285.4	294.7	301.1	315.2	320.4	320.7	320.8	310.6	315.9	307.3
37,5°	280.1	288.9	291.9	300.1	302.5	320.5	327.1	330.1	327.2	324.3	312.1	312.9	322.0
40,0°	288.0	294.9	294.8	301.0	311.0	326.6	348.4	339.0	340.9	323.5	314.9	336.9	331.0
42,5°	296.1	297.5	298.1	316.3	327.4	334.0	350.7	340.8	336.4	326.9	332.4	337.9	345.0
45,0°	293.4	307.2	308.2	316.1	329.3	345.7	356.8	343.0	340.7	351.3	353.6	361.0	358.7
47,5°	300.6	307.3	314.8	328.8	344.9	352.0	355.2	354.7	351.0	370.6	372.7	358.6	351.6
50,0°	303.5	304.1	310.6	329.1	357.1	366.7	357.0	357.9	374.0	384.7	373.8	352.0	342.3
52,5°	313.1	308.3	311.4	326.1	362.1	373.6	363.6	377.1	396.3	399.9	374.1	343.5	326.4
55,0°	307.1	316.8	324.7	337.2	363.3	390.4	392.0	402.7	402.8	386.8	366.3	344.1	310.0
57,5°	313.1	325.8	337.5	353.8	370.6	400.3	415.2	426.0	418.2	382.6	371.0	318.2	258.7
60,0°	320.0	336.4	356.7	382.3	399.2	434.6	444.2	455.3	436.4	397.2	321.8	253.6	192.9
62,5°	306.5	339.5	378.1	425.8	457.4	476.0	511.2	489.6	447.5	347.0	255.1	175.8	103.5
65,0°	299.6	340.0	408.3	483.0	540.4	580.6	589.8	543.1	386.3	266.9	165.4	84.9	43.0
67,5°	285.8	348.9	439.6	545.0	615.1	681.0	669.3	499.2	304.3	169.4	77.8	34.0	31.0
70,0°	263.6	344.2	467.8	600.6	683.4	757.8	601.6	373.8	175.0	76.2	32.7	27.1	25.4
72,5°	260.2	352.1	495.4	595.6	690.0	674.7	438.4	194.3	80.1	34.9	24.8	22.8	22.3
75,0°	251.4	355.3	453.9	502.5	563.4	449.7	222.3	65.9	33.6	23.0	18.2	18.2	18.1
77,5°	197.9	250.8	269.9	280.6	272.8	192.3	58.2	20.2	16.5	16.7	17.0	14.7	13.0
80,0°	95.1	86.3	83.1	87.4	87.1	61.8	14.5	10.9	9.9	10.1	14.8	9.2	8.4
82,5°	19.9	14.9	10.6	15.6	24.6	15.4	6.7	8.0	5.4	4.5	5.7	4.8	5.3
85,0°	1.2	1.1	1.6	1.3	1.6	1.7	1.9	2.0	2.1	1.8	1.8	1.6	1.8
87,5°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	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	0.0	0.0	0.0

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		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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	246.5	245.6	245.8	243.2	241.6	241.0	237.5	234.9	231.4	229.7	229.1	229.7	228.7
5,0°	231.5	228.9	230.8	232.5	234.2	232.7	235.6	233.9	229.2	227.3	227.0	226.3	224.2
7,5°	238.9	237.7	239.2	239.1	238.8	243.3	233.9	231.9	226.6	222.4	224.0	223.5	219.5
10,0°	251.1	250.4	247.0	246.6	242.9	244.2	232.6	230.0	230.1	225.8	221.6	221.1	218.9
12,5°	255.3	254.8	254.6	255.0	256.4	256.8	251.6	236.9	233.3	228.9	228.6	223.7	220.7
15,0°	261.0	263.4	264.6	269.2	266.7	266.5	251.8	236.5	234.4	231.8	232.1	226.4	214.7
17,5°	273.5	269.8	271.0	269.3	274.0	278.7	254.8	236.7	230.6	229.6	223.0	220.4	211.5
20,0°	277.0	273.8	278.5	273.5	277.4	289.2	253.6	246.1	236.7	232.5	231.4	221.3	218.5
22,5°	283.3	280.0	281.4	274.0	278.9	284.1	258.2	245.1	237.3	231.5	223.1	220.1	214.1
25,0°	291.6	289.2	282.7	284.9	281.8	276.4	256.1	253.5	245.1	231.6	230.7	222.1	220.2
27,5°	291.0	297.1	284.7	284.4	283.7	294.6	253.8	262.2	247.2	243.6	233.3	225.6	220.2
30,0°	299.4	285.0	290.4	287.0	284.1	276.6	260.1	262.3	252.5	242.6	235.0	232.1	216.3
32,5°	303.1	294.9	292.6	291.3	291.6	291.4	267.1	268.3	257.6	249.2	239.9	227.8	207.5
35,0°	305.6	303.8	309.8	304.1	309.8	299.5	265.1	272.9	264.3	257.9	237.6	224.2	192.7
37,5°	327.6	321.4	316.6	327.0	311.9	314.4	267.5	273.9	266.0	253.1	240.5	209.6	171.7
40,0°	335.6	329.6	322.7	314.6	317.2	302.1	280.5	272.5	268.4	257.7	233.1	190.7	159.6
42,5°	344.1	323.1	317.5	312.8	305.5	291.3	285.6	276.8	274.2	255.0	220.5	173.7	147.1
45,0°	334.8	321.1	311.8	310.6	303.9	304.9	290.4	275.0	272.0	249.5	211.3	158.5	132.3
47,5°	329.8	320.9	301.3	306.7	283.3	299.9	289.6	280.3	276.9	239.7	185.9	140.8	119.7
50,0°	322.5	303.3	286.7	277.3	266.1	264.8	299.6	279.3	263.2	226.2	163.0	115.2	100.4
52,5°	304.5	279.5	254.9	243.3	227.8	220.6	304.6	284.5	261.5	202.5	144.2	95.6	87.7
55,0°	271.9	232.3	195.4	182.8	167.1	154.6	302.4	281.2	248.9	189.5	126.0	87.0	82.7
57,5°	205.3	164.9	136.9	107.6	100.1	94.8	295.7	276.1	229.0	169.2	112.1	76.9	69.4
60,0°	135.3	91.2	69.1	54.0	51.1	48.0	295.6	255.4	206.1	148.6	104.2	69.2	64.4
62,5°	63.8	41.6	38.3	37.4	35.9	35.9	276.8	246.4	194.9	133.5	95.3	67.9	56.0
65,0°	34.8	33.0	36.1	33.5	33.3	33.3	259.4	228.7	165.0	116.1	89.9	62.4	52.0
67,5°	28.3	30.3	30.4	29.0	28.2	27.1	237.7	204.2	142.9	89.0	74.0	56.7	44.9
70,0°	26.6	24.6	25.1	24.3	23.4	24.3	214.1	178.1	117.5	71.7	65.1	49.6	35.8
72,5°	20.9	22.8	22.1	20.1	20.0	18.5	199.3	149.2	98.9	60.6	55.2	45.6	31.0
75,0°	18.0	17.9	18.1	15.7	15.1	15.9	176.2	102.0	69.4	40.3	40.9	34.6	28.7
77,5°	14.2	13.9	12.6	12.2	11.3	11.2	100.8	18.4	18.7	26.1	24.0	21.5	20.6
80,0°	9.5	8.9	8.4	8.0	6.9	6.7	38.7	5.8	7.9	14.6	11.5	12.5	10.7
82,5°	4.7	5.0	4.6	3.8	3.5	3.5	7.8	3.4	3.6	6.4	5.1	4.4	4.3
85,0°	2.1	1.9	1.8	1.5	1.1	1.5	1.2	1.1	1.1	1.1	1.1	1.1	0.9
87,5°	0.4	0.4	0.4	0.3	0.3	0.7	0.3	0.2	0.3	0.3	0.2	0.2	0.1
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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		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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	0.4	0.4
2,5°	228.8	228.3	228.5	228.0	228.0	228.7	228.7	231.0	230.4	231.6	230.0	2.9	3.2
5,0°	224.8	225.1	221.3	223.3	220.3	219.6	217.9	216.2	216.4	215.3	218.6	5.5	8.7
7,5°	220.9	217.1	216.6	214.6	211.5	209.0	207.0	206.4	212.3	211.0	212.9	8.2	16.9
10,0°	212.8	212.3	211.5	209.7	207.2	204.3	201.1	201.2	202.8	204.7	205.0	10.9	27.9
12,5°	217.1	216.0	210.6	208.5	204.9	207.1	208.1	204.9	204.6	202.9	203.9	13.9	41.8
15,0°	211.1	211.6	209.7	208.3	208.4	199.1	197.1	199.6	201.2	197.7	197.5	16.9	58.7
17,5°	211.3	207.4	206.9	203.8	201.8	202.0	195.0	187.2	191.9	191.4	187.7	19.7	78.4
20,0°	213.6	205.7	202.9	195.4	190.5	187.5	184.4	179.4	172.2	171.5	176.2	22.5	100.9
22,5°	212.9	210.7	194.4	186.3	177.3	171.4	168.7	164.9	160.5	160.6	159.6	25.0	125.9
25,0°	207.0	196.3	186.3	173.2	173.2	166.6	162.4	151.7	148.3	140.9	134.3	27.8	153.7
27,5°	205.7	183.9	171.4	164.0	160.4	151.4	145.5	135.8	126.3	118.7	117.1	30.1	183.8
30,0°	186.6	174.1	167.0	162.4	148.6	139.7	122.7	116.4	109.9	107.3	105.9	32.6	216.3
32,5°	175.3	165.5	162.0	143.4	132.8	123.0	112.7	104.0	100.1	96.4	92.3	35.0	251.3
35,0°	168.9	162.9	151.7	132.5	123.6	110.4	102.5	95.4	88.8	88.3	86.2	37.5	288.8
37,5°	154.1	150.9	143.5	124.9	111.8	100.4	94.1	85.8	82.5	77.7	79.4	40.1	328.9
40,0°	146.7	143.1	129.9	114.4	102.6	93.9	81.3	76.5	72.4	72.8	70.8	42.4	371.3
42,5°	142.1	129.9	121.4	103.1	90.1	80.9	72.5	69.7	70.3	66.8	63.1	44.2	415.5
45,0°	124.3	119.9	105.6	93.4	78.6	73.7	68.4	68.6	64.0	63.1	64.5	46.2	461.7
47,5°	112.2	105.5	95.1	80.2	69.5	67.1	63.7	61.0	61.9	62.9	58.3	47.7	509.4
50,0°	97.1	86.2	81.0	69.9	65.2	62.2	59.9	57.5	58.2	56.9	55.7	48.2	557.6
52,5°	81.4	76.9	71.9	64.5	61.2	57.0	55.7	54.0	52.9	51.0	53.4	48.5	606.2
55,0°	72.4	66.4	64.2	58.5	55.6	52.3	52.1	49.6	48.4	46.8	46.3	47.9	654.0
57,5°	63.8	60.2	56.0	51.2	50.2	51.5	48.3	47.3	44.5	43.7	41.9	46.4	700.4
60,0°	52.9	50.5	50.6	46.0	48.1	46.5	47.5	42.4	40.8	41.6	38.9	44.7	745.2
62,5°	49.0	44.0	43.6	43.5	43.0	44.9	42.5	41.4	36.9	37.8	35.1	43.7	788.8
65,0°	46.0	41.2	39.4	40.3	38.3	37.3	38.4	37.2	34.9	32.2	31.0	43.4	832.2
67,5°	36.6	34.3	35.2	34.3	34.4	34.1	34.2	31.5	29.4	25.2	25.2	42.6	874.8
70,0°	32.1	30.4	31.6	29.6	27.9	26.0	25.2	21.7	19.5	17.0	15.7	39.8	914.6
72,5°	26.7	27.4	25.8	25.7	21.0	20.1	16.5	13.8	12.3	12.4	11.0	35.2	949.9
75,0°	21.8	21.8	21.8	20.0	15.4	14.0	12.0	9.0	7.9	7.7	7.0	27.3	977.2
77,5°	15.9	14.8	13.6	12.0	9.9	8.9	7.1	5.2	3.1	2.1	2.4	15.0	992.2
80,0°	7.8	7.4	6.6	6.1	5.8	5.3	3.8	2.4	1.3	0.7	1.0	5.8	998.0
82,5°	3.2	2.6	2.4	3.5	2.9	2.3	1.6	0.9	0.4	0.3	0.2	1.7	999.6
85,0°	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.1	0.3	999.9
87,5°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	1000.0

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Familie Streetlight 21 micro LED	Bestell-Nr.: 5XE1D33S08DB EAN: 4058352805961	LP-Nummer 59076_964
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	5110	39.1	40.8	40.0
95	238	252	4852	36.6	38.1	37.4
90	223	249	4602	34.2	35.7	35.0
85	208	247	4345	31.9	33.3	32.6
80	193	244	4082	29.7	30.9	30.3
75	179	241	3831	27.5	28.6	28.0
70	165	238	3575	25.4	26.5	26.0
65	152	235	3329	23.4	24.4	23.9
60	138	232	3060	21.3	22.2	21.8
55	125	228	2804	19.4	20.2	19.8
50	113	224	2562	17.7	18.4	18.0
45	100	220	2294	15.8	16.5	16.2
40	88	215	2041	14.1	14.6	14.4
35	76	210	1783	12.4	12.9	12.6
30	65	204	1541	10.8	11.2	11.0
25	53	197	1272	9.2	9.5	9.4
20	42	188	1021	7.7	7.8	7.8
15	31	177	765	6.1	6.3	6.2
12	24	168	600	5.1	5.3	5.2

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	5230	39.6	41.3	40.4
95	239	252	4976	37.2	38.8	38.0
90	223	249	4699	34.7	36.1	35.4
85	209	247	4451	32.5	33.9	33.2
80	194	244	4180	30.1	31.5	30.8
75	180	241	3920	28.0	29.1	28.6
70	166	238	3656	25.9	27.0	26.4
65	153	235	3404	24.0	24.9	24.4
60	139	232	3128	21.8	22.7	22.2
55	126	228	2866	19.9	20.7	20.3
50	114	225	2620	18.1	18.9	18.5
45	101	220	2347	16.2	16.8	16.5
40	89	216	2090	14.5	15.0	14.8
35	77	210	1827	12.8	13.2	13.0
30	65	204	1559	11.0	11.4	11.2
25	54	197	1310	9.4	9.8	9.6
20	43	189	1055	7.9	8.2	8.0
15	31	177	773	6.2	6.4	6.3
12	24	168	606	5.2	5.4	5.3

Lichttechnischer Prüfbefund

Familie Streetlight 21 micro LED	Bestell-Nr.: 5XE1D33S08DB EAN: 4058352805961	LP-Nummer 59076_964
Dimmstufen-Tabelle		Umgebungstemperatur: 15°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	5180	39.3	41.0	40.2
95	238	252	4915	36.8	38.3	37.6
90	223	249	4660	34.4	35.9	35.2
85	208	247	4398	32.1	33.5	32.8
80	194	244	4148	29.9	31.3	30.6
75	180	241	3893	27.8	28.9	28.4
70	166	238	3631	25.7	26.8	26.2
65	152	235	3363	23.6	24.6	24.1
60	139	232	3109	21.7	22.5	22.1
55	126	228	2851	19.8	20.5	20.2
50	113	224	2585	17.8	18.5	18.2
45	101	220	2336	16.0	16.7	16.4
40	89	216	2080	14.3	14.9	14.6
35	77	210	1819	12.7	13.1	12.9
30	65	204	1553	10.9	11.3	11.1
25	54	197	1305	9.4	9.7	9.6
20	42	188	1028	7.7	7.9	7.8
15	31	177	770	6.2	6.4	6.3
12	24	168	604	5.2	5.3	5.2

Lichttechnischer Prüfbefund

Familie
Streetlight 21 micro LED

Bestell-Nr.: 5XE1D33S08DB
EAN: 4058352805961

LP-Nummer
59076_964

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	5110.0	39.1
5.0	5230.0	39.6
15.0	5180.0	39.3