

Lichttechnischer Prüfbefund

Familie
Streetlight 21 midi LED

Bestell-Nr.: 5XE3R31V08NB
EAN: 4069025150707

LP-Nummer
59538_24



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben

Optik asymmetrisch, extrem breit strahlend (P0.8a G), Back Light Control (BLC)

Abdeckung Einscheibensicherheitsglas (ESG)

Bestückung LED 3000 K | CRI ≥ 70

Betriebsgerät EVG SITECO iQ - Smart Interface

Bemessungswerte Nettolichtstrom = 18710 lm
Systemleistung = 136.6 W
Lichtausbeute = 137 lm/W

Seriendokumentation
18.01.2024

siteco

Lichtstärke in cd/klm

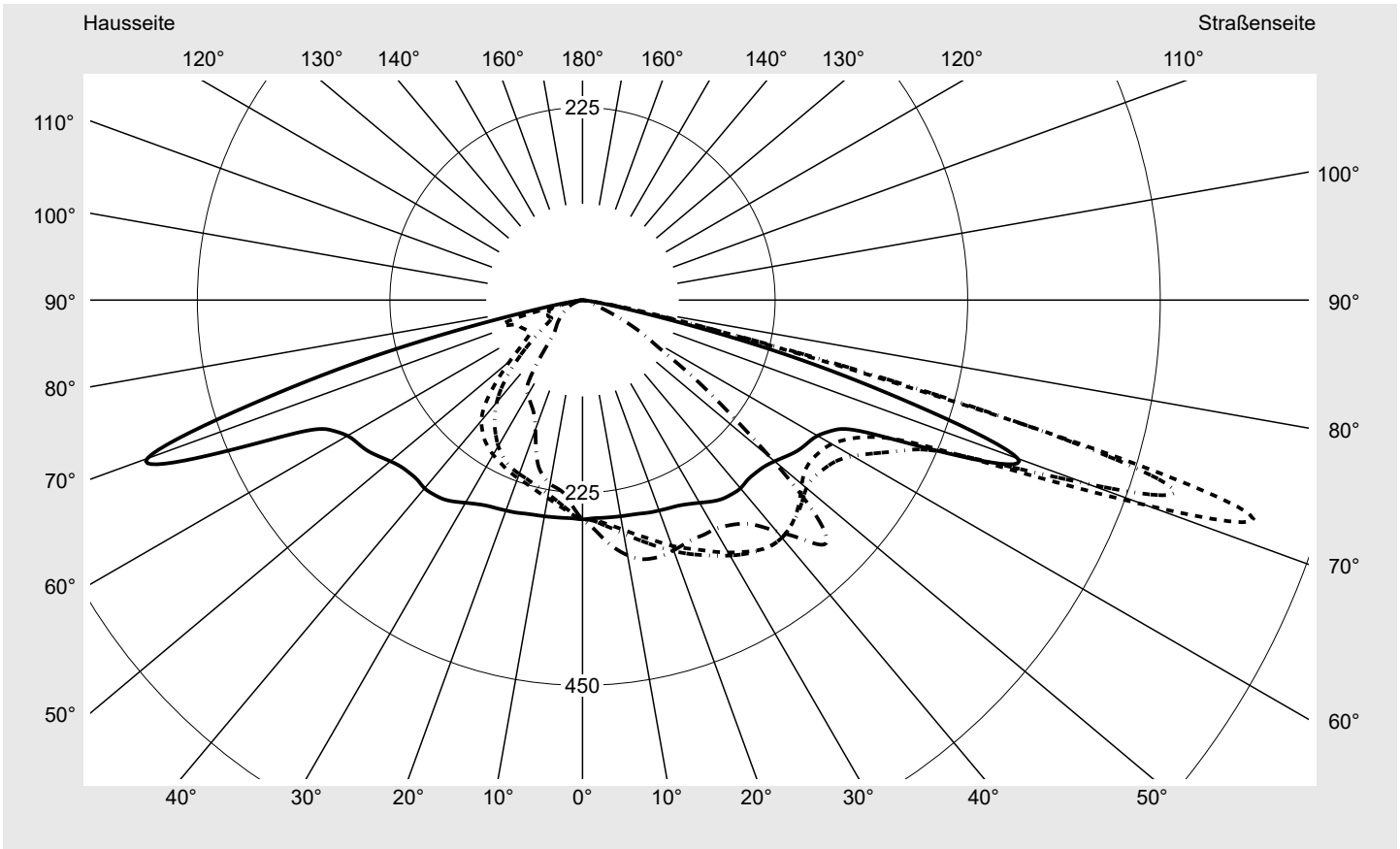
C180-0

C200-20

C205-25

C270-90

Imax: 802 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G3
Imax 70° 699.8
Imax 80° 48.9
Imax 90° 0.0
Imax >90° 0.0
Imax >95° 0.0

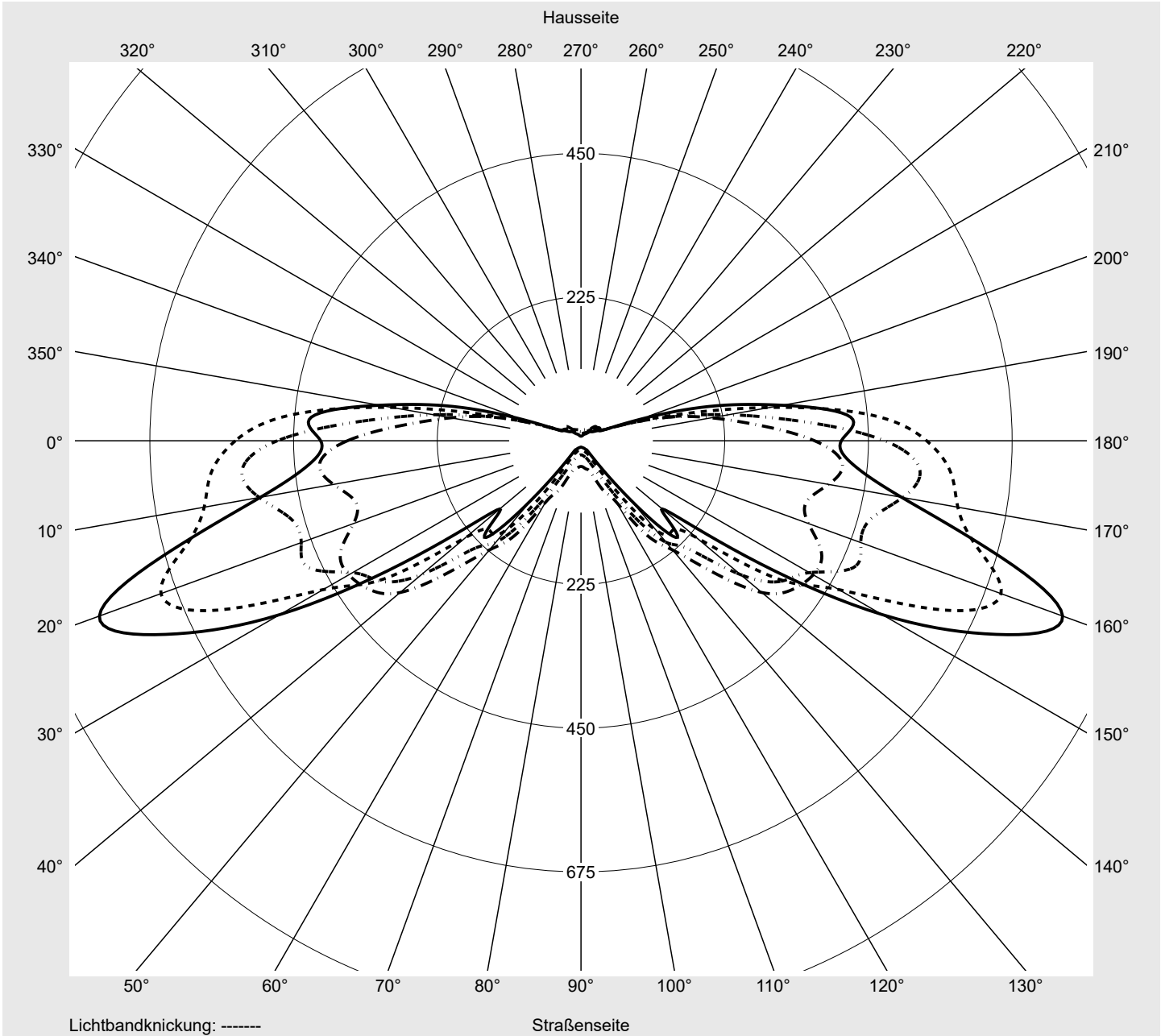
Messbedingungen

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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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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	255.3	255.8	256.2	256.7	257.1	257.7	258.2	259.1	260.2	260.9	261.9	262.7	263.5
5,0°	255.4	256.0	256.7	258.2	260.6	263.0	265.0	267.2	269.2	270.8	272.6	274.1	275.5
7,5°	255.8	256.5	258.8	262.3	266.0	269.3	272.5	275.5	278.7	281.2	283.2	285.3	287.1
10,0°	256.4	258.2	262.5	267.4	272.2	277.0	280.9	284.5	288.5	291.7	293.9	296.0	297.8
12,5°	257.1	260.9	266.8	273.2	279.7	285.3	290.3	294.6	298.1	301.2	303.7	305.6	306.7
15,0°	258.3	264.2	271.8	280.0	287.4	293.9	299.5	303.5	306.9	309.1	310.8	311.9	312.4
17,5°	260.2	268.3	277.9	287.3	296.2	303.2	308.2	312.5	314.9	316.4	317.2	317.3	316.9
20,0°	261.6	272.9	284.4	295.3	305.5	312.0	317.0	319.8	321.2	321.9	321.7	320.7	318.8
22,5°	263.1	277.0	290.3	303.3	313.7	320.7	324.6	326.8	327.1	326.4	324.8	322.4	319.7
25,0°	265.0	281.9	297.1	311.8	321.9	328.6	332.3	333.7	333.0	330.6	327.4	324.0	320.7
27,5°	268.6	288.3	306.1	321.3	331.3	336.7	339.1	339.5	337.5	333.9	329.6	324.8	321.6
30,0°	273.4	296.2	316.3	331.6	340.5	344.6	345.4	344.5	341.6	337.2	332.0	327.5	323.8
32,5°	279.0	304.5	326.5	341.2	348.9	351.8	351.2	348.6	344.6	339.9	335.3	331.3	328.2
35,0°	283.7	312.2	336.3	351.1	356.8	357.7	355.9	351.8	347.5	343.8	340.9	338.8	336.1
37,5°	286.0	316.7	341.7	356.3	361.7	361.7	358.7	354.3	350.4	348.5	348.6	348.6	346.9
40,0°	287.0	320.2	345.2	358.6	362.5	362.3	359.1	356.2	355.0	355.8	360.4	364.2	362.1
42,5°	285.2	320.5	345.2	356.6	359.3	359.4	357.7	358.0	360.8	366.6	375.3	381.6	382.2
45,0°	285.7	320.8	343.5	351.3	353.0	354.6	355.8	360.2	369.0	380.9	393.4	402.6	408.6
47,5°	288.0	322.1	341.1	344.6	344.3	348.1	356.0	368.0	382.4	400.3	415.5	427.5	433.5
50,0°	292.9	325.0	338.7	336.5	334.5	341.6	358.1	378.1	396.9	417.8	434.4	441.6	427.3
52,5°	299.8	329.7	337.4	330.5	327.7	340.5	363.0	389.7	411.7	431.2	433.9	412.3	374.4
55,0°	306.7	334.2	337.1	326.9	326.4	344.1	371.1	403.3	424.1	433.0	402.1	355.6	306.8
57,5°	311.3	338.1	337.2	325.8	329.4	350.7	382.2	417.7	428.2	420.6	361.9	294.3	250.8
60,0°	317.1	344.9	339.9	328.5	336.3	364.5	398.6	425.7	422.2	393.2	312.0	249.9	207.3
62,5°	329.8	361.2	352.4	337.4	351.3	387.3	415.1	423.8	402.5	347.1	258.8	209.0	152.8
65,0°	365.7	410.8	393.4	366.1	378.8	415.5	419.8	405.2	369.7	289.8	223.3	181.2	111.5
67,5°	475.5	532.7	511.4	470.6	466.2	470.3	412.9	383.3	326.1	240.4	207.7	145.1	77.1
70,0°	541.1	581.5	599.1	641.5	699.8	627.4	466.2	377.8	235.4	200.6	183.3	93.1	32.6
72,5°	407.6	427.6	509.6	664.1	802.4	717.3	544.2	314.9	166.3	213.7	120.9	30.9	16.2
75,0°	246.2	264.5	277.6	328.6	402.1	429.8	318.1	215.1	231.4	176.6	43.4	14.0	11.6
77,5°	93.3	138.1	128.7	130.6	145.2	140.9	88.4	120.4	200.4	113.6	14.2	10.2	8.3
80,0°	29.0	40.6	45.8	48.4	48.9	39.2	14.5	19.3	31.3	15.5	8.5	6.2	5.1
82,5°	7.0	8.7	10.9	12.4	6.5	13.3	5.2	3.5	4.0	2.8	2.9	2.7	2.5
85,0°	2.5	2.4	2.2	2.0	2.0	2.0	1.6	1.5	1.3	1.3	1.3	1.0	1.0
87,5°	1.3	1.3	1.3	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.6	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

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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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	264.1	264.7	265.0	265.5	265.8	266.0	254.1	252.7	252.0	251.3	249.9	248.7	247.5
5,0°	276.5	277.4	278.2	279.0	279.4	279.6	252.9	250.3	247.5	245.1	242.6	240.3	238.0
7,5°	288.6	289.8	290.7	291.5	292.1	292.5	252.2	247.5	243.3	239.7	235.8	232.7	230.1
10,0°	299.2	300.1	301.2	302.0	302.6	302.6	251.6	245.2	239.6	234.8	230.3	226.7	224.1
12,5°	307.5	308.1	308.7	309.4	309.6	309.8	251.8	243.7	236.5	230.9	225.4	222.3	220.0
15,0°	312.3	312.0	312.2	312.5	312.5	312.5	252.3	242.2	234.1	226.9	221.9	218.5	216.3
17,5°	315.9	314.3	313.4	313.1	312.8	312.9	252.5	240.7	231.1	223.7	218.6	215.3	212.6
20,0°	316.9	314.9	313.3	311.8	311.3	311.2	252.9	239.7	228.7	221.2	216.2	212.2	207.6
22,5°	317.2	314.1	311.8	310.2	309.1	308.9	252.5	237.9	226.0	218.4	213.4	208.2	200.7
25,0°	317.2	314.4	311.8	309.4	307.8	307.7	252.2	235.8	223.1	215.4	209.5	201.4	194.1
27,5°	318.6	315.5	312.6	310.2	308.7	308.7	252.3	234.2	220.7	211.9	203.6	193.1	183.9
30,0°	320.9	318.1	314.3	311.1	309.3	308.9	254.6	234.1	218.7	208.7	196.9	183.9	171.6
32,5°	325.2	322.1	318.3	315.3	313.4	312.7	256.0	233.4	216.4	204.3	188.2	171.8	154.5
35,0°	333.0	329.2	325.4	322.1	319.9	319.2	258.1	233.4	214.1	199.3	179.0	157.4	134.1
37,5°	343.1	339.8	336.7	333.6	331.9	331.1	256.3	230.9	210.2	192.2	168.0	141.7	114.8
40,0°	360.0	358.4	357.7	354.8	353.2	352.5	254.2	226.4	204.5	183.7	155.9	124.9	99.4
42,5°	383.8	385.0	385.3	381.7	379.0	378.1	249.1	218.4	193.8	170.3	140.9	110.7	86.3
45,0°	412.5	413.9	412.7	407.8	403.4	402.0	244.4	208.8	179.6	151.5	122.7	97.5	74.3
47,5°	431.9	419.1	401.0	382.9	370.4	366.1	243.2	201.6	166.1	130.5	103.5	85.3	64.9
50,0°	396.5	359.5	329.9	307.1	292.2	288.0	247.0	199.5	154.8	110.5	84.9	72.4	57.4
52,5°	326.1	280.0	250.8	231.5	218.8	215.0	251.4	198.7	147.9	93.2	68.1	60.2	52.1
55,0°	257.8	216.1	191.0	175.0	163.6	160.6	257.4	200.1	143.2	80.9	54.9	50.5	49.7
57,5°	209.3	172.2	145.8	127.8	116.2	112.4	260.4	199.2	139.4	73.0	45.5	44.0	46.7
60,0°	162.7	129.1	107.8	95.3	88.6	87.0	260.2	198.1	139.8	72.6	42.0	38.5	42.9
62,5°	121.1	93.2	79.2	72.8	66.6	64.1	261.6	198.3	141.4	74.7	43.1	36.4	39.2
65,0°	88.5	62.5	47.9	44.8	41.5	40.3	279.6	207.0	143.0	77.4	44.2	35.7	35.2
67,5°	45.4	31.8	26.8	24.3	22.6	22.2	347.1	234.7	143.9	79.3	43.6	33.8	31.5
70,0°	21.6	17.7	16.0	15.3	14.5	14.2	458.1	300.3	160.0	82.8	41.8	33.2	28.4
72,5°	13.7	12.2	11.3	10.7	10.2	10.0	423.8	320.2	207.5	97.4	41.2	31.7	25.8
75,0°	10.1	9.0	8.1	7.7	7.2	7.2	209.9	193.5	168.4	77.5	35.6	28.6	23.1
77,5°	7.0	6.1	5.4	5.1	4.7	4.6	67.8	68.8	55.1	23.2	21.9	22.0	18.9
80,0°	4.1	3.7	3.2	2.9	2.8	2.8	19.2	18.9	14.7	9.8	10.9	12.8	12.6
82,5°	2.3	2.1	1.9	1.7	1.6	1.7	5.4	5.0	4.9	5.3	5.5	6.3	6.2
85,0°	1.0	1.0	0.9	0.8	0.8	0.8	2.5	2.6	2.7	2.7	2.7	2.5	2.3
87,5°	0.6	0.5	0.4	0.4	0.4	0.4	1.3	1.5	1.5	1.5	1.4	1.4	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

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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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	0.4	0.4
2,5°	246.5	245.9	245.1	244.3	243.7	243.5	243.2	242.8	242.7	242.6	242.6	3.0	3.4
5,0°	235.9	234.5	233.1	231.7	230.7	230.0	229.4	228.9	228.8	228.9	228.8	6.1	9.5
7,5°	227.6	226.1	224.9	223.7	222.9	222.6	222.1	222.1	222.1	222.1	222.1	9.1	18.6
10,0°	222.0	220.7	219.9	219.3	218.8	218.6	218.4	218.3	218.2	218.1	218.1	12.2	30.8
12,5°	218.2	217.1	216.1	215.2	214.2	213.1	211.9	211.4	211.0	210.6	210.7	15.3	46.1
15,0°	214.8	212.9	210.8	208.0	205.7	204.0	202.3	201.1	200.4	200.0	199.9	18.3	64.4
17,5°	209.5	205.5	202.2	199.0	195.7	192.5	188.9	185.6	183.2	181.5	180.9	21.2	85.6
20,0°	202.1	198.0	193.3	188.5	182.0	175.6	170.1	166.1	163.3	161.6	161.0	23.8	109.5
22,5°	194.9	188.8	182.1	173.1	165.0	158.5	153.6	150.5	148.6	147.4	147.0	26.4	135.8
25,0°	186.5	177.8	167.1	157.6	150.1	145.3	142.3	140.5	139.5	138.9	138.8	28.9	164.7
27,5°	174.2	161.1	149.5	141.3	136.2	133.3	132.5	132.7	132.9	132.8	132.9	31.3	196.0
30,0°	156.2	142.0	131.9	125.7	123.8	123.9	124.9	126.0	126.9	127.3	127.5	33.6	229.6
32,5°	135.4	121.4	112.6	109.8	110.7	114.2	118.5	121.7	121.8	121.3	121.0	35.8	265.4
35,0°	114.0	99.7	92.6	93.1	99.5	105.7	107.7	106.6	103.5	100.4	99.0	37.8	303.2
37,5°	94.9	80.9	76.9	81.3	86.7	87.6	84.6	80.5	76.5	73.4	72.1	39.4	342.6
40,0°	79.0	67.7	66.9	70.7	70.9	68.6	66.0	62.0	57.9	55.1	54.0	41.4	383.9
42,5°	67.7	60.7	61.9	61.8	61.0	59.2	55.0	51.3	49.1	47.7	47.2	43.6	427.6
45,0°	60.1	58.1	57.9	56.8	55.7	51.4	47.8	45.6	44.2	43.4	43.1	46.0	473.6
47,5°	56.2	56.3	54.5	54.0	50.0	45.6	43.0	41.3	40.4	39.9	39.7	47.5	521.1
50,0°	54.3	53.5	52.3	49.5	44.0	40.7	38.7	37.2	36.5	36.0	35.9	46.9	568.0
52,5°	53.7	50.6	49.0	44.4	39.0	36.3	34.6	33.7	33.1	32.8	32.8	45.3	613.2
55,0°	52.1	46.9	44.8	38.9	34.5	32.5	31.1	30.3	29.8	29.5	29.6	43.5	656.8
57,5°	46.5	42.6	39.5	33.8	30.7	28.8	27.2	26.5	26.2	25.9	26.0	41.9	698.7
60,0°	41.1	38.6	35.1	29.5	26.9	25.3	24.1	23.7	23.2	23.0	23.0	40.6	739.3
62,5°	36.4	35.1	30.1	25.4	23.4	22.0	21.3	20.8	20.3	20.1	20.1	39.5	778.8
65,0°	32.6	31.7	25.8	21.6	20.4	19.1	18.5	17.8	17.3	17.0	17.0	39.3	818.1
67,5°	28.8	27.9	22.6	18.5	17.3	16.3	15.5	14.9	14.3	14.0	13.9	42.2	860.3
70,0°	25.5	24.4	19.6	15.9	14.8	13.8	12.9	12.0	11.2	10.8	10.7	47.5	907.8
72,5°	21.9	20.1	16.4	13.5	12.2	10.9	9.5	8.3	7.6	7.2	7.2	45.6	953.4
75,0°	18.4	15.9	13.0	10.7	9.3	8.6	6.7	5.6	5.1	4.8	4.8	28.3	981.6
77,5°	14.5	11.7	9.1	7.2	6.3	6.0	4.2	3.4	2.9	2.7	2.7	12.7	994.3
80,0°	10.2	7.7	5.5	4.4	3.9	3.5	2.5	1.8	1.4	1.1	1.0	3.8	998.2
82,5°	5.4	4.1	3.0	2.3	1.8	1.6	1.3	1.0	0.8	0.6	0.4	1.2	999.3
85,0°	2.1	1.8	1.5	1.2	0.9	0.8	0.6	0.6	0.4	0.4	0.3	0.4	999.8
87,5°	1.1	1.0	0.9	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.3	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

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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	18710	136.6	143.6	140.1
95	241	252	17752	128.0	134.4	131.2
90	229	250	16868	120.3	126.2	123.2
85	216	248	15911	112.0	117.6	114.8
80	203	246	14953	104.0	109.1	106.6
75	190	243	13996	96.3	101.0	98.6
70	178	241	13112	89.3	93.7	91.5
65	165	238	12154	82.0	86.0	84.0
60	152	235	11197	74.8	78.5	76.6
55	140	232	10313	68.3	71.6	69.9
50	127	229	9355	61.4	64.3	62.8
45	114	225	8397	54.6	57.3	56.0
40	102	221	7513	48.5	50.8	49.6
35	89	216	6556	42.0	44.0	43.0
30	76	210	5598	35.7	37.3	36.5
25	63	203	4641	29.6	30.8	30.2
20	51	195	3757	23.9	25.0	24.4
15	38	184	2799	18.1	18.9	18.5
10	25	169	1842	12.3	12.8	12.6

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	18720	133.6	138.1	135.8
95	241	252	17761	125.4	129.6	127.5
90	229	250	16877	118.0	122.0	120.0
85	216	248	15919	110.2	113.9	112.0
80	203	246	14961	102.6	106.0	104.3
75	191	244	14077	95.7	98.9	97.3
70	178	241	13118	88.5	91.3	89.9
65	165	238	12160	81.3	83.9	82.6
60	152	235	11202	74.3	76.7	75.5
55	140	232	10318	67.9	70.1	69.0
50	127	229	9360	61.2	63.1	62.2
45	114	225	8402	54.5	56.2	55.4
40	102	221	7517	48.5	50.1	49.3
35	89	216	6559	42.1	43.4	42.8
30	76	210	5601	35.7	36.9	36.3
25	64	204	4717	30.0	31.0	30.5
20	51	195	3759	24.0	24.8	24.4
15	38	184	2801	18.2	18.7	18.4
10	26	171	1916	12.8	13.2	13.0

Lichttechnischer Prüfbefund

Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3R31V08NB EAN: 4069025150707	LP-Nummer 59538_24
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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	18720	134.8	140.4	137.6
95	241	252	17761	126.4	131.6	129.0
90	229	250	16877	118.8	123.7	121.2
85	216	248	15919	110.9	115.4	113.2
80	203	246	14961	103.1	107.3	105.2
75	191	244	14076	96.2	100.1	98.2
70	178	241	13118	88.8	92.3	90.6
65	165	238	12160	81.5	84.8	83.2
60	152	235	11202	74.5	77.4	76.0
55	140	232	10318	68.0	70.7	69.4
50	127	229	9360	61.2	63.6	62.4
45	114	225	8402	54.5	56.7	55.6
40	102	221	7517	48.5	50.4	49.4
35	89	216	6559	41.9	43.6	42.8
30	76	210	5601	35.7	37.0	36.4
25	64	204	4717	30.0	31.1	30.6
20	51	195	3759	24.0	24.9	24.4
15	38	184	2801	18.1	18.7	18.4
10	26	171	1916	12.8	13.2	13.0

Lichttechnischer Prüfbefund

Familie
Streetlight 21 midi LED

Bestell-Nr.: 5XE3R31V08NB
EAN: 4069025150707

LP-Nummer
59538_24

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	18710.0	136.6
5.0	18720.0	133.6
15.0	18720.0	134.8