

Lichttechnischer Prüfbefund

Familie
Streetlight 21 midi LED

Bestell-Nr.: 5XE3R31U08MB
EAN: 4069025163646

LP-Nummer
59535_64



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface unten

Optik direkt, asymmetrisch breit strahlend P08B001

Abdeckung Einscheibensicherheitsglas (ESG)

Bestückung LED 3000 K | CRI ≥ 70

Betriebsgerät EVG SITECO iQ - Smart Interface

Bemessungswerte Nettolichtstrom = 15920 lm
Systemleistung = 129.3 W
Lichtausbeute = 123.1 lm/W

Seriendokumentation
18.01.2024

siteco

Lichtstärke in cd/klm

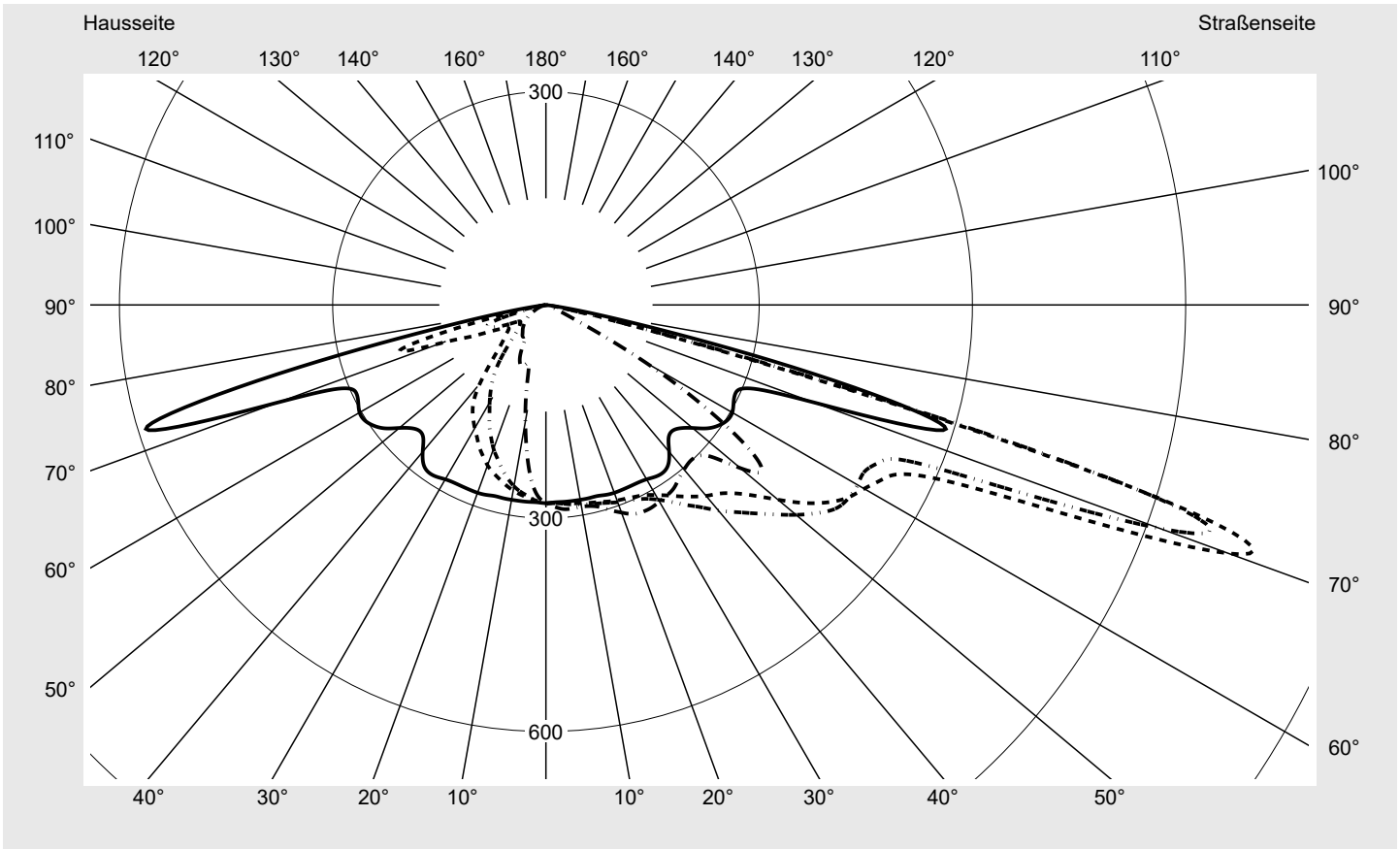
C180-0

C195-15

C200-20

C270-90

Imax: 1022 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	1022.3
Imax 80°	56.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

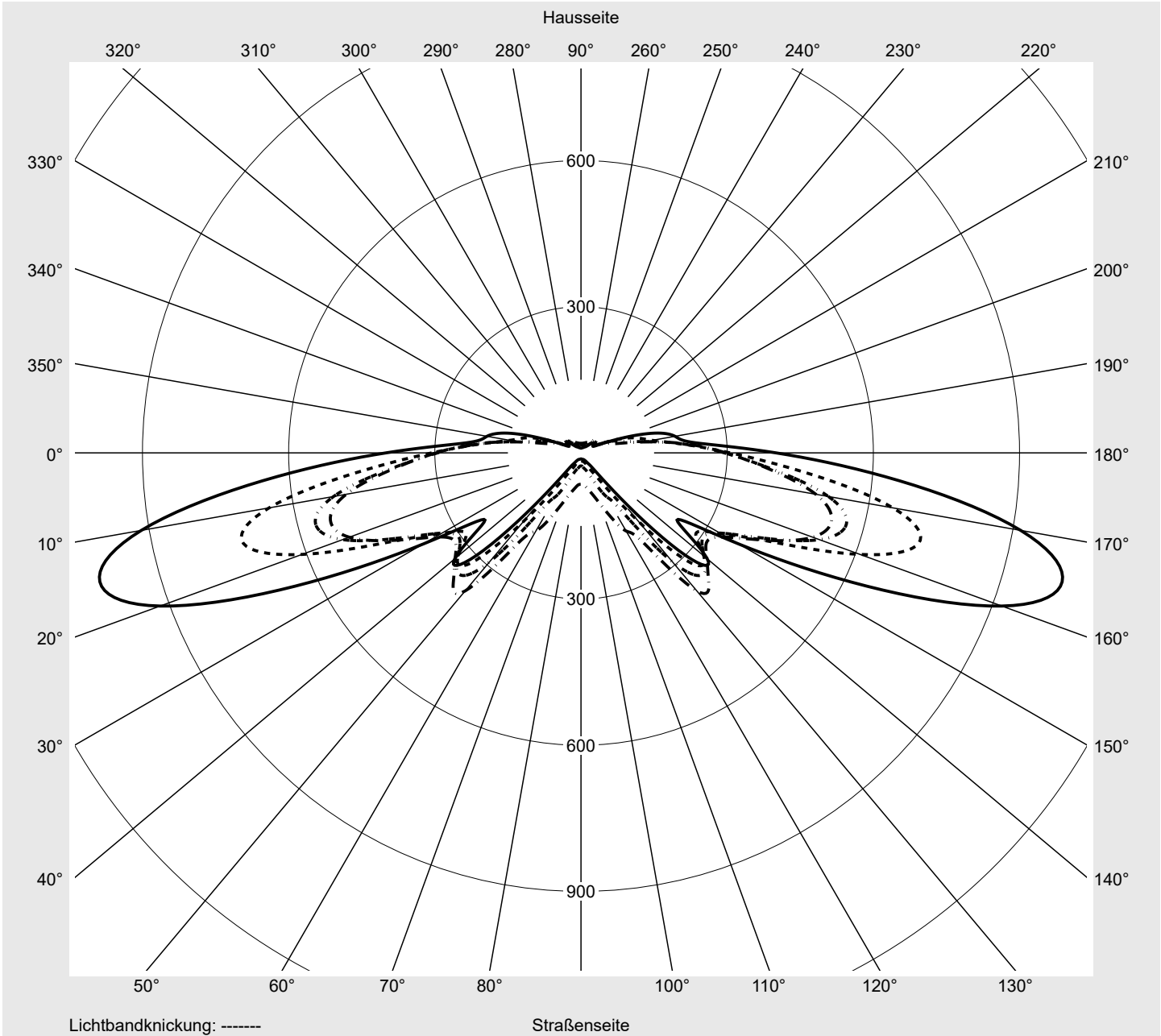
Messbedingungen

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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Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3R31U08MB EAN: 4069025163646	LP-Nummer 59535_64
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2,5°	277.9	277.8	278.3	278.5	279.1	279.5	279.7	280.3	281.1	281.1	281.8	282.0	282.5
5,0°	278.0	278.0	278.8	279.6	280.7	281.8	282.5	283.4	284.3	284.7	285.3	285.7	286.3
7,5°	278.2	278.8	279.7	281.6	283.0	284.3	285.2	285.8	286.5	286.6	286.8	287.0	287.2
10,0°	278.3	279.3	281.1	283.2	284.8	286.1	286.8	287.1	287.4	287.5	287.6	287.5	287.6
12,5°	278.4	280.6	282.9	285.1	287.1	288.1	288.1	288.3	288.6	288.3	288.2	288.3	288.1
15,0°	278.3	281.8	284.2	287.0	288.9	289.7	290.4	290.4	290.4	290.5	290.7	291.2	291.5
17,5°	280.1	284.2	287.0	289.9	291.8	292.6	293.2	293.3	294.2	295.6	296.5	297.9	299.1
20,0°	281.2	286.5	289.9	292.7	295.2	296.4	297.4	298.7	300.7	302.2	304.8	306.3	307.6
22,5°	281.2	288.0	291.8	294.7	298.0	300.7	303.7	306.7	309.6	312.0	314.3	316.4	318.0
25,0°	281.2	289.0	293.5	297.6	302.0	305.6	310.8	316.1	320.1	323.0	325.6	327.5	328.0
27,5°	281.6	290.6	296.3	301.5	307.4	313.2	319.9	326.8	332.3	336.2	338.0	338.5	336.9
30,0°	283.2	294.4	301.5	308.8	316.5	324.6	332.6	340.2	345.8	350.2	351.0	348.3	344.3
32,5°	286.5	299.7	308.4	317.7	328.5	340.0	349.8	357.0	362.1	365.5	364.2	358.0	349.5
35,0°	287.6	303.8	315.5	328.7	343.4	357.5	368.6	376.7	381.4	382.7	377.3	366.1	353.1
37,5°	282.8	302.1	319.8	339.7	358.7	375.8	388.1	395.7	398.9	396.8	386.6	370.4	354.4
40,0°	269.7	294.5	321.2	350.6	377.6	398.0	410.2	417.0	415.9	407.6	392.5	373.6	355.1
42,5°	255.3	287.6	322.7	360.0	395.2	420.8	432.6	434.9	428.7	414.1	394.4	373.9	354.4
45,0°	251.0	289.5	331.0	374.7	414.6	444.9	453.6	450.5	436.8	415.6	393.7	371.5	352.8
47,5°	256.6	303.0	350.2	396.9	436.1	462.6	468.6	458.1	439.5	412.5	387.5	369.7	355.1
50,0°	269.2	324.0	378.1	426.2	459.3	475.7	475.8	456.8	430.3	401.5	381.2	373.1	369.5
52,5°	285.2	346.9	408.8	457.5	481.0	483.4	467.9	440.5	409.6	388.7	382.1	388.8	404.4
55,0°	295.9	364.8	434.7	484.0	498.6	480.9	443.0	412.5	385.1	377.3	391.6	422.7	440.8
57,5°	302.2	378.2	457.4	504.1	505.0	463.7	409.7	376.6	362.7	372.1	410.7	405.5	386.0
60,0°	302.7	385.2	474.2	517.0	506.3	445.5	376.2	342.3	346.6	374.1	408.1	323.4	289.9
62,5°	297.6	389.4	489.3	532.5	506.1	424.7	345.6	316.1	337.3	370.1	369.8	228.7	185.2
65,0°	294.2	397.3	515.7	563.9	520.7	414.1	329.1	304.9	329.7	352.9	292.0	146.3	103.0
67,5°	306.5	462.0	650.1	717.4	609.4	431.9	331.0	288.1	329.0	319.8	183.6	76.0	42.3
70,0°	400.3	655.6	916.4	1022.3	919.1	647.3	374.3	240.7	338.2	282.9	84.5	28.5	20.0
72,5°	586.0	762.4	853.4	904.4	899.0	672.4	361.6	293.9	353.5	133.4	22.0	16.9	14.5
75,0°	449.7	381.0	325.6	308.5	339.8	261.0	278.4	408.8	241.2	30.0	14.0	12.7	10.9
77,5°	187.6	136.4	104.4	83.4	66.4	31.3	81.0	143.9	55.8	10.9	9.4	9.1	7.9
80,0°	56.2	38.7	28.1	20.2	12.5	7.1	6.9	10.5	5.9	5.4	6.4	5.7	5.0
82,5°	9.6	8.1	6.9	5.8	4.4	3.9	3.4	3.0	2.7	2.5	2.7	2.4	2.4
85,0°	2.7	2.5	2.3	2.2	1.9	1.7	1.6	1.6	1.3	1.3	1.2	1.1	1.0
87,5°	1.5	1.3	1.2	1.2	1.1	1.0	1.0	0.8	0.8	0.8	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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2,5°	282.9	283.2	283.5	283.8	284.1	284.2	277.4	276.4	276.1	275.6	274.5	273.9	273.1
5,0°	286.6	287.0	287.2	287.6	288.0	288.3	277.0	274.5	272.6	270.8	268.5	266.3	264.1
7,5°	287.4	287.5	287.8	288.2	288.3	288.6	276.2	272.6	269.3	265.7	261.4	256.5	251.1
10,0°	287.2	287.1	287.2	287.7	288.3	288.1	275.3	270.3	265.0	258.9	250.7	242.0	231.8
12,5°	288.1	288.2	288.7	289.2	289.4	289.8	274.1	267.4	259.7	249.5	236.8	222.9	208.7
15,0°	292.0	292.1	292.7	293.8	294.2	294.4	273.1	264.3	253.4	238.6	221.3	203.4	184.9
17,5°	299.9	300.3	300.8	301.6	302.6	302.8	273.2	261.7	247.2	226.6	204.9	181.7	160.7
20,0°	308.0	308.8	309.2	309.9	310.3	310.8	273.2	259.9	240.1	215.4	188.9	162.4	139.4
22,5°	318.6	318.4	318.1	317.7	317.8	318.3	271.5	255.2	230.6	201.6	170.3	143.2	114.9
25,0°	327.4	325.7	323.3	321.8	320.7	321.2	269.5	249.4	221.2	187.9	153.1	121.8	90.5
27,5°	334.3	330.2	326.2	323.3	321.5	321.5	266.7	243.2	210.0	171.9	135.7	99.1	71.1
30,0°	339.2	333.1	326.9	322.2	319.5	319.3	265.3	237.9	200.2	158.3	118.4	79.9	62.3
32,5°	341.5	333.3	325.9	320.7	318.1	317.3	264.9	232.9	190.4	145.0	101.3	66.5	60.1
35,0°	342.5	333.9	325.9	318.9	315.1	314.2	263.0	225.7	179.7	131.6	85.9	59.6	60.6
37,5°	342.0	331.6	322.7	314.3	309.4	307.4	254.3	213.3	165.2	116.7	73.0	56.4	60.0
40,0°	340.1	328.2	319.5	310.6	304.4	302.4	235.8	192.1	144.6	99.3	62.9	54.2	57.1
42,5°	337.2	325.3	318.1	307.7	301.1	299.2	216.4	169.2	122.0	81.3	56.4	52.1	54.2
45,0°	337.1	325.6	317.5	309.4	303.1	301.1	203.9	150.0	103.2	66.2	51.0	50.1	52.0
47,5°	343.8	336.0	329.8	323.8	318.2	316.4	200.2	139.3	88.8	56.2	48.4	48.6	50.7
50,0°	367.8	368.7	368.6	364.8	359.1	357.0	204.6	135.1	79.1	49.7	47.4	49.0	50.6
52,5°	419.9	422.4	412.8	399.2	386.2	382.4	211.0	133.0	72.3	46.2	47.5	49.5	49.6
55,0°	424.6	395.0	374.2	359.3	344.6	341.1	216.4	132.7	66.2	43.9	45.5	46.9	45.5
57,5°	353.8	310.6	285.4	270.3	259.7	257.6	218.5	130.4	61.9	43.1	41.0	41.0	39.3
60,0°	250.3	204.6	182.6	173.4	165.1	161.8	217.0	129.2	64.3	47.9	38.9	36.0	36.2
62,5°	145.5	108.8	86.7	74.0	66.0	64.6	214.2	129.0	73.8	58.1	41.2	33.5	34.8
65,0°	67.5	45.0	35.7	31.3	27.6	26.8	210.1	133.0	90.9	71.2	45.1	31.9	34.7
67,5°	26.8	20.8	18.5	17.5	16.8	16.4	208.5	148.3	118.6	81.6	45.1	29.9	33.7
70,0°	16.2	14.4	13.8	13.2	12.7	12.3	236.4	195.9	156.6	87.0	37.9	28.1	32.3
72,5°	12.8	11.4	10.8	10.2	9.6	9.4	409.6	322.7	215.6	78.7	30.0	27.9	29.6
75,0°	9.7	8.6	7.9	7.5	7.1	7.0	414.6	266.9	148.4	43.3	26.7	27.7	25.5
77,5°	6.7	5.8	5.3	5.0	4.7	4.6	158.3	92.5	50.4	16.7	18.7	22.5	20.1
80,0°	4.0	3.5	3.0	2.9	2.7	2.7	44.1	27.3	12.5	8.6	10.0	12.3	11.7
82,5°	2.2	2.1	1.8	1.8	1.7	1.7	10.0	6.4	4.8	4.8	5.1	5.3	5.2
85,0°	1.0	1.0	1.0	0.8	0.8	1.0	2.8	2.8	2.8	2.7	2.5	2.4	2.2
87,5°	0.6	0.6	0.5	0.5	0.5	0.5	1.5	1.5	1.5	1.5	1.3	1.3	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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	0.4	0.4
2,5°	272.2	271.8	271.0	270.4	269.8	269.5	269.2	268.7	268.6	268.6	268.5	3.3	3.7
5,0°	261.5	258.9	256.5	253.9	251.4	249.4	247.6	246.1	245.0	244.4	244.3	6.5	10.2
7,5°	244.8	238.5	232.3	226.9	221.6	217.2	213.5	210.6	208.6	207.3	206.8	9.4	19.6
10,0°	221.4	211.9	203.1	194.5	186.1	179.5	174.5	171.0	168.5	167.1	166.7	12.0	31.6
12,5°	195.0	181.2	169.8	160.0	151.3	144.4	138.5	134.0	131.0	128.9	128.4	14.2	45.8
15,0°	167.9	153.5	140.2	128.2	117.7	109.1	102.7	98.6	95.9	94.7	94.3	16.3	62.0
17,5°	142.2	124.6	108.6	95.7	87.6	83.9	83.1	83.8	84.7	85.5	85.9	18.4	80.4
20,0°	116.6	96.4	83.1	78.2	78.6	81.3	84.5	87.3	89.3	90.3	90.9	20.8	101.2
22,5°	89.5	75.2	72.6	76.0	80.9	85.1	88.4	90.5	91.6	91.8	92.2	23.2	124.4
25,0°	71.4	68.6	73.3	79.7	85.5	88.8	90.0	89.7	88.7	87.4	87.1	25.6	150.0
27,5°	64.7	70.1	78.6	86.0	89.6	90.0	87.9	84.8	81.5	78.7	77.4	28.0	178.0
30,0°	64.8	74.0	83.0	87.6	87.7	84.1	78.9	73.3	68.2	64.5	62.9	30.3	208.3
32,5°	67.5	77.3	83.7	84.9	81.4	75.6	69.2	63.0	57.6	53.9	52.5	32.7	241.0
35,0°	69.5	77.5	81.3	79.5	74.6	69.1	63.6	59.6	56.8	55.4	54.7	35.2	276.2
37,5°	66.9	72.0	72.9	70.1	66.3	64.1	63.0	61.0	57.8	55.1	54.2	37.4	313.5
40,0°	61.1	63.3	62.3	60.6	62.2	62.0	58.2	55.0	53.0	51.5	51.0	39.1	352.7
42,5°	56.2	56.2	55.5	58.5	59.0	54.9	52.9	51.4	50.1	49.0	48.4	40.8	393.5
45,0°	53.0	52.6	55.5	57.6	52.9	50.7	49.0	47.7	46.7	46.0	45.7	42.7	436.2
47,5°	51.0	53.0	57.0	52.2	48.3	46.4	45.0	44.0	43.2	42.7	42.6	45.2	481.4
50,0°	50.3	54.8	53.7	46.7	43.9	42.3	41.2	40.5	39.8	39.4	39.2	48.5	529.9
52,5°	49.2	54.1	48.4	42.2	39.7	38.5	37.5	36.4	35.8	35.3	35.3	52.1	582.0
55,0°	47.2	51.3	42.8	37.7	35.7	34.3	33.3	32.8	32.2	31.9	31.9	53.0	634.9
57,5°	46.8	46.6	37.7	33.1	31.7	30.7	29.9	29.5	29.0	28.8	28.8	50.6	685.5
60,0°	45.6	41.7	32.2	29.5	28.5	27.6	26.4	25.5	24.7	24.2	24.2	46.4	731.9
62,5°	43.5	35.8	28.2	26.2	24.8	23.3	21.9	20.9	20.2	19.7	19.8	41.6	773.6
65,0°	39.3	31.9	24.7	22.4	20.8	19.0	17.8	17.1	16.4	16.2	16.2	38.9	812.4
67,5°	35.7	27.6	20.9	18.1	16.8	15.5	14.4	13.8	13.5	13.3	13.3	40.2	852.7
70,0°	31.4	23.6	17.7	15.1	13.8	12.3	11.5	10.8	10.3	9.9	9.7	49.7	902.3
72,5°	26.8	19.7	14.6	12.0	10.5	9.1	8.2	7.7	7.3	6.8	6.8	52.1	954.4
75,0°	22.1	15.8	11.6	9.2	7.7	6.8	5.8	5.3	4.8	4.6	4.6	30.6	985.0
77,5°	16.3	11.4	8.2	6.4	5.3	4.4	3.7	3.1	2.9	2.7	2.7	10.4	995.4
80,0°	9.8	6.7	5.0	4.0	3.1	2.5	2.1	1.7	1.3	1.0	1.0	2.9	998.4
82,5°	4.5	3.5	2.8	2.1	1.6	1.3	1.1	1.0	0.7	0.6	0.5	1.0	999.3
85,0°	1.9	1.7	1.5	1.1	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.4	999.8
87,5°	1.2	1.1	0.8	0.8	0.6	0.6	0.5	0.5	0.5	0.5	0.5	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	15920	129.3	141.6	135.4
95	241	252	15105	120.4	131.7	126.0
90	229	250	14353	112.4	122.8	117.6
85	216	248	13538	104.1	113.8	109.0
80	203	246	12723	96.3	105.0	100.6
75	190	243	11909	88.7	96.9	92.8
70	178	241	11157	82.1	89.4	85.8
65	165	238	10342	75.0	81.8	78.4
60	152	235	9527	68.1	74.2	71.2
55	140	232	8775	62.1	67.6	64.8
50	127	229	7960	55.6	60.5	58.0
45	114	225	7145	49.3	53.7	51.5
40	102	221	6393	43.6	47.4	45.5
35	89	216	5578	37.7	41.0	39.4
30	76	210	4763	32.0	34.7	33.4
25	63	203	3949	26.5	28.6	27.6
20	51	195	3197	21.6	23.3	22.5
15	38	184	2382	16.4	17.6	17.0
11	29	175	1818	12.8	13.8	13.3

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	15920	125.6	130.4	128.0
95	241	252	15105	117.3	121.8	119.6
90	229	250	14353	109.9	114.0	112.0
85	216	248	13538	102.2	106.0	104.1
80	203	246	12723	94.8	98.3	96.6
75	191	244	11971	88.1	91.3	89.7
70	178	241	11156	81.0	84.0	82.5
65	165	238	10342	74.2	77.0	75.6
60	152	235	9527	67.6	70.0	68.8
55	140	232	8775	61.6	63.9	62.8
50	127	229	7960	55.3	57.3	56.3
45	114	225	7145	49.0	50.9	50.0
40	102	221	6393	43.5	45.1	44.3
35	89	216	5578	37.7	39.1	38.4
30	76	210	4763	32.0	33.2	32.6
25	64	204	4011	26.9	27.9	27.4
20	51	195	3196	21.6	22.3	22.0
15	38	184	2382	16.5	17.0	16.8
11	29	175	1818	12.9	13.3	13.1

Lichttechnischer Prüfbefund

Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3R31U08MB EAN: 4069025163646	LP-Nummer 59535_64
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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	15920	127.2	133.1	130.2
95	241	252	15105	118.5	124.0	121.2
90	229	250	14353	110.9	116.1	113.5
85	216	248	13538	102.9	107.6	105.2
80	203	246	12723	95.3	99.6	97.4
75	191	244	11971	88.5	92.6	90.6
70	178	241	11156	81.4	85.0	83.2
65	165	238	10341	74.5	77.8	76.2
60	152	235	9527	67.8	70.8	69.3
55	140	232	8775	61.8	64.5	63.2
50	127	229	7960	55.4	57.8	56.6
45	114	225	7145	49.1	51.3	50.2
40	102	221	6393	43.5	45.4	44.4
35	89	216	5578	37.7	39.3	38.5
30	76	210	4763	31.9	33.3	32.6
25	64	204	4011	26.9	28.0	27.4
20	51	195	3196	21.5	22.4	22.0
15	38	184	2382	16.4	17.0	16.7
11	29	175	1818	12.9	13.3	13.1

Lichttechnischer Prüfbefund

Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3R31U08MB EAN: 4069025163646	LP-Nummer 59535_64
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Lichtstrom-Tabelle	sITeco
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	15920.0	129.3
5.0	15920.0	125.6
15.0	15920.0	127.2