

Lichttechnischer Prüfbefund

Familie

Streetlight 21 mini LED



Bestell-Nr.: 5XE2V33R08JB

EAN: 4069025150509

LP-Nummer

59540_536

Ausführung

Mastansatz- / Mastaufsatzmontage, Smart Interface unten

Optik

asymmetrisch, extrem breit strahlend (P0.5a G)

Abdeckung

Einscheibensicherheitsglas (ESG)

Bestückung

LED 3000 K | CRI ≥ 70

Betriebsgerät

EVG-Smart Interface

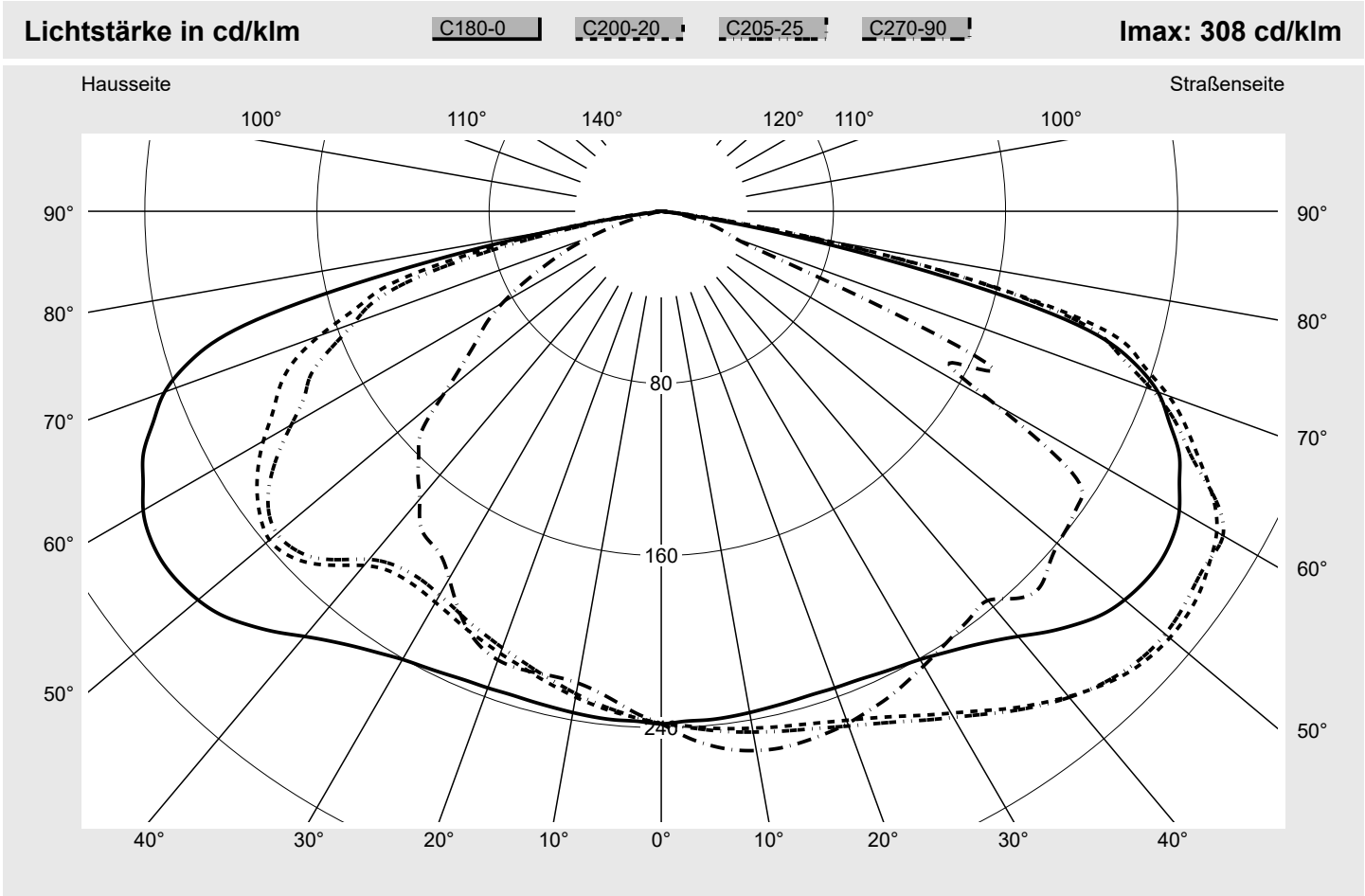
Bemessungswerte

Nettolichtstrom = 12720 lm
Systemleistung = 88.6 W
Lichtausbeute = 143.6 lm/W

Seriedokumentation

22.10.2024

siteco



Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G6
Eta 0° - 90°	100.0%	Imax 70°	256.5
Eta 90° - 180°	0.0%	Imax 80°	74.5
		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

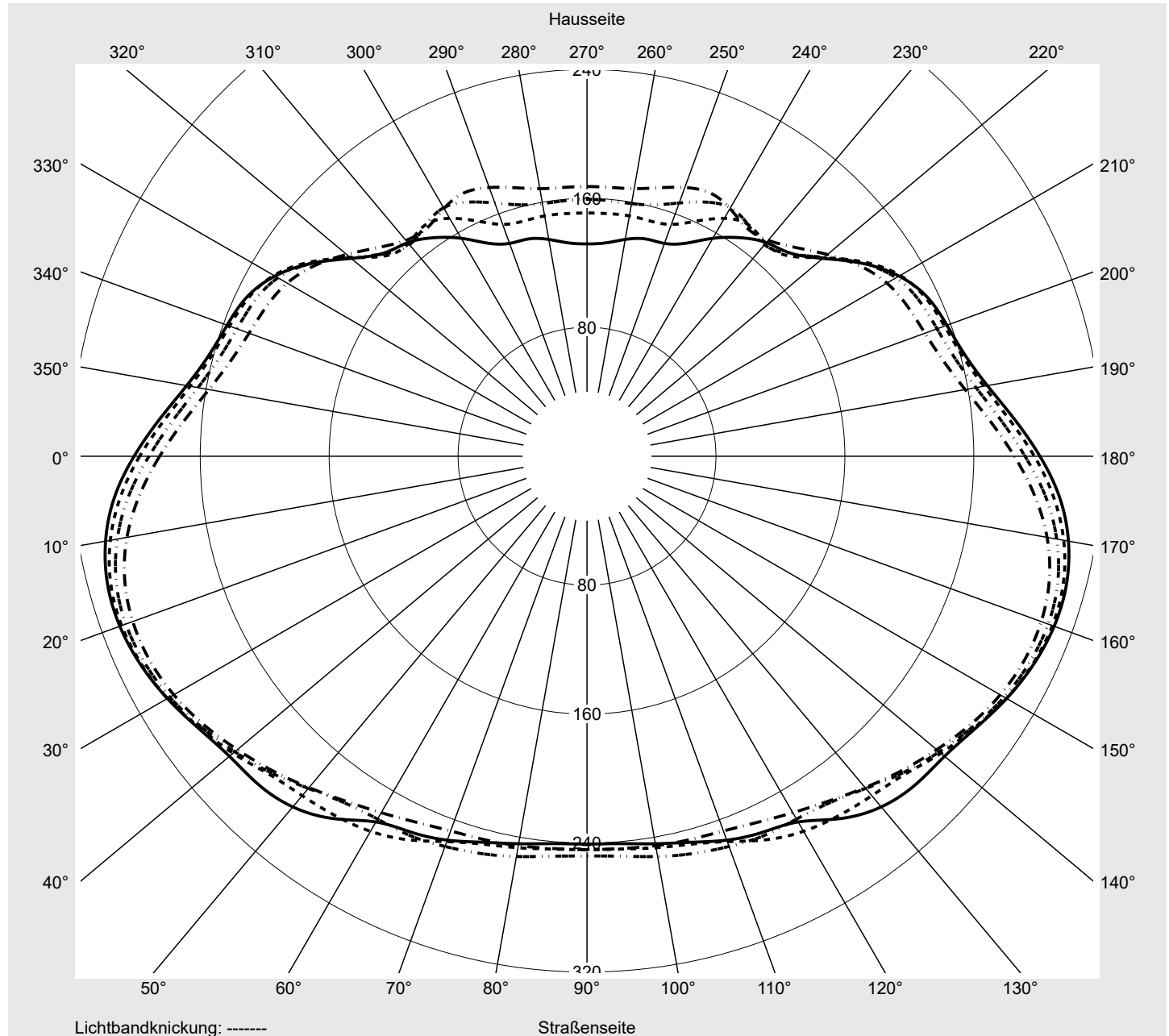
KMK 50°

KMK 47,5°

KMK 45°

KMK 42,5°

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Familie Streetlight 21 mini LED				Bestell-Nr.: 5XE2V33R08JB EAN: 4069025150509								LP-Nummer 59540_536	
Wertetabelle Lichtstärkemessung												siteco	
Maximale Lichtstärke													
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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	237.3	237.5	238.1	238.8	239.3	239.9	240.2	240.7	241.5	241.7	242.0	242.5	242.9
5,0°	237.4	238.0	238.8	239.9	241.0	241.9	242.7	243.5	244.6	245.2	245.8	246.5	247.1
7,5°	237.1	238.2	239.5	241.0	242.5	244.0	245.1	246.2	247.5	248.4	249.3	250.0	250.6
10,0°	236.6	238.2	239.9	241.9	243.9	245.8	247.4	248.6	250.0	251.1	252.0	252.6	253.2
12,5°	236.0	238.3	240.4	243.0	245.5	247.6	249.4	250.9	252.2	253.3	254.1	254.7	255.0
15,0°	235.6	238.5	241.1	244.2	247.1	249.5	251.5	253.1	254.1	255.1	255.8	256.2	256.2
17,5°	235.3	239.0	242.1	245.7	249.2	251.8	253.9	255.5	256.4	257.0	257.4	257.2	256.9
20,0°	235.7	240.1	243.9	248.0	251.8	254.6	256.7	258.1	258.5	258.7	258.6	258.0	257.4
22,5°	236.2	241.5	246.0	250.8	255.0	257.8	259.6	260.5	260.4	260.0	259.4	258.4	257.3
25,0°	237.3	243.5	248.9	254.5	259.0	261.8	262.9	262.9	262.2	261.3	260.2	258.6	257.0
27,5°	238.7	246.0	252.9	259.4	264.0	266.6	267.1	266.4	264.7	262.7	260.7	258.6	256.6
30,0°	240.5	249.4	257.8	264.7	269.3	271.6	271.4	269.9	267.6	264.6	261.5	258.8	256.5
32,5°	243.5	253.9	263.5	270.7	275.3	277.3	276.5	274.3	270.9	266.8	262.8	259.6	256.7
35,0°	247.2	259.5	270.1	277.6	282.1	283.6	282.1	279.0	274.6	269.3	264.8	260.4	256.5
37,5°	251.9	265.3	276.5	284.1	288.4	289.4	287.5	283.6	277.9	271.9	266.1	260.9	256.4
40,0°	257.9	272.0	283.3	290.8	294.5	294.9	292.3	287.5	280.9	274.1	267.3	261.3	255.9
42,5°	265.2	278.8	289.9	297.0	299.9	299.5	296.1	290.4	283.2	275.9	268.4	261.2	255.4
45,0°	271.8	285.6	295.9	302.4	304.5	303.0	298.9	292.4	285.3	277.6	269.0	262.5	260.0
47,5°	277.6	290.6	300.3	305.9	307.3	305.1	300.6	293.5	286.7	279.0	274.9	272.2	268.7
50,0°	281.0	294.4	303.3	308.0	308.5	305.7	300.6	294.3	289.6	288.2	284.0	274.4	262.0
52,5°	282.9	296.1	304.6	308.3	308.1	304.7	299.6	297.0	297.9	293.2	280.2	268.9	260.6
55,0°	283.4	296.4	304.5	307.4	306.1	302.7	301.1	302.7	299.0	287.3	277.3	263.0	250.2
57,5°	281.8	294.2	302.3	304.6	302.4	301.8	305.3	302.8	291.1	282.3	265.6	251.7	240.8
60,0°	278.0	289.6	297.4	299.9	298.1	301.4	306.7	298.1	285.4	267.5	252.7	240.4	231.1
62,5°	271.5	282.8	289.9	292.5	289.2	290.5	292.2	289.3	274.8	251.5	238.4	226.6	217.3
65,0°	265.5	275.5	281.2	283.0	276.6	272.6	272.7	269.1	253.6	232.0	217.9	208.5	203.1
67,5°	255.5	265.6	270.2	271.0	264.5	259.5	258.9	247.4	230.6	208.1	193.8	187.1	185.3
70,0°	245.6	253.4	256.5	255.8	251.0	242.8	232.3	218.1	200.6	183.2	168.1	164.4	158.1
72,5°	228.5	234.6	236.2	235.1	233.9	223.7	206.6	186.8	169.6	156.3	143.4	138.9	120.8
75,0°	194.7	195.1	199.0	209.9	213.2	203.6	180.2	156.3	139.6	128.8	118.9	109.7	86.9
77,5°	118.9	121.4	127.9	140.9	149.5	148.0	139.4	124.1	109.0	97.7	88.2	79.3	61.2
80,0°	48.4	49.8	59.9	70.1	74.5	72.8	73.8	68.2	62.2	64.4	61.2	53.2	40.3
82,5°	5.9	5.6	6.9	11.1	15.0	19.9	24.6	26.8	29.1	29.4	28.1	28.6	21.9
85,0°	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.8	5.0	6.4	7.9	7.6	6.5
87,5°	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	
2,5°	243.1	243.3	243.5	243.7	244.0	244.1	237.0	236.3	236.1	236.0	235.7	235.4	235.1	
5,0°	247.5	247.7	248.2	248.5	248.7	248.9	236.4	235.2	234.6	234.0	233.2	232.7	232.1	
7,5°	251.1	251.3	251.7	252.1	252.3	252.4	235.6	234.0	232.8	231.8	230.6	229.8	228.8	
10,0°	253.6	253.7	254.0	254.3	254.5	254.5	234.4	232.3	230.7	229.3	227.7	226.4	225.4	
12,5°	255.2	255.1	255.2	255.4	255.5	255.5	233.2	230.5	228.3	226.5	224.5	223.1	222.0	
15,0°	256.0	255.7	255.5	255.5	255.3	255.2	232.0	228.8	226.1	223.7	221.5	220.0	218.8	
17,5°	256.4	255.7	255.2	254.9	254.6	254.5	231.1	227.2	224.0	221.0	218.5	216.8	215.8	
20,0°	256.4	255.4	254.5	253.9	253.5	253.3	230.6	226.1	222.2	218.7	215.9	214.1	213.2	
22,5°	256.1	254.8	253.4	252.3	251.7	251.4	230.4	225.2	220.5	216.3	213.3	211.4	210.7	
25,0°	255.5	253.9	252.2	250.6	249.8	249.4	230.5	224.3	218.9	214.2	210.9	208.9	208.1	
27,5°	254.6	252.6	250.7	248.6	247.2	246.8	230.6	223.7	217.2	211.8	208.1	206.1	205.4	
30,0°	254.1	251.5	248.9	246.5	244.5	244.0	231.7	223.3	215.8	209.9	206.0	203.9	203.6	
32,5°	253.8	250.5	247.2	244.2	242.0	241.4	233.2	223.4	215.0	208.6	204.5	202.8	202.8	
35,0°	253.1	249.3	245.3	242.1	239.8	239.0	235.9	224.7	215.1	208.4	204.6	203.2	203.1	
37,5°	252.2	248.0	243.9	240.6	237.9	237.1	239.1	226.9	216.7	210.0	206.5	204.9	203.8	
40,0°	251.1	246.5	242.5	239.3	236.9	236.2	244.5	231.5	221.4	214.9	211.2	208.5	204.5	
42,5°	250.6	247.4	246.2	245.4	244.3	244.1	251.0	238.3	228.9	223.2	219.6	214.8	206.2	
45,0°	259.7	257.6	255.2	252.2	249.1	248.0	257.8	245.1	236.2	231.1	227.7	221.4	208.7	
47,5°	262.6	254.5	249.2	246.7	244.6	244.1	262.9	250.1	241.1	236.1	232.0	224.4	210.0	
50,0°	257.5	253.5	248.0	244.1	241.3	240.6	266.1	252.3	242.8	237.7	233.1	223.6	208.6	
52,5°	251.2	244.9	242.1	240.7	239.3	238.9	266.9	251.8	241.0	234.6	229.9	219.4	203.8	
55,0°	243.2	238.5	237.3	237.6	236.9	236.9	267.2	250.9	238.0	229.3	222.4	210.0	194.8	
57,5°	234.8	231.1	231.4	231.5	228.4	226.6	265.9	248.8	234.0	222.2	211.5	194.5	178.5	
60,0°	224.0	222.1	219.2	203.5	185.6	178.7	262.4	244.0	227.9	213.5	198.5	177.2	155.0	
62,5°	211.1	203.0	179.8	157.1	151.1	152.4	255.7	235.9	219.2	203.8	187.0	161.9	138.0	
65,0°	192.2	167.0	147.6	160.8	169.6	166.4	248.1	226.8	210.5	196.1	179.7	152.0	125.4	
67,5°	160.4	132.9	139.7	112.6	79.6	70.0	238.5	217.0	201.7	186.0	166.0	137.5	102.2	
70,0°	124.2	113.5	80.1	43.1	37.5	36.7	228.2	207.7	189.6	168.8	152.1	121.0	79.1	
72,5°	94.2	70.4	34.4	31.3	30.3	30.0	213.8	196.5	166.3	147.8	140.2	97.8	60.8	
75,0°	68.8	33.0	24.9	24.6	23.8	23.5	185.0	166.1	133.3	129.6	114.8	74.9	40.4	
77,5°	42.1	18.9	17.8	17.5	16.7	16.4	125.5	104.8	84.8	89.9	72.8	40.0	22.4	
80,0°	20.7	11.7	11.4	10.9	10.4	10.2	49.6	44.0	43.6	48.4	32.4	14.5	12.4	
82,5°	9.2	6.5	6.2	6.1	5.7	5.6	6.8	6.4	10.9	13.5	8.3	5.6	5.7	
85,0°	2.9	2.5	2.5	2.4	2.3	2.2	2.4	2.4	2.4	2.4	2.3	2.2	2.1	
87,5°	0.9	0.8	0.9	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.2	
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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Streetlight 21 mini LED				EAN: 4069025150509								59540_536	
Wertetabelle Lichtstärkemessung												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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	0.4	0.4
2,5°	234.8	234.7	234.6	234.3	234.3	234.4	234.5	234.3	234.3	234.2	234.2	2.8	3.2
5,0°	231.3	231.0	230.6	230.1	229.9	229.8	229.7	229.6	229.4	229.4	229.4	5.7	8.9
7,5°	227.9	227.2	226.7	226.2	225.8	225.7	225.5	225.3	225.2	225.3	225.3	8.5	17.4
10,0°	224.2	223.7	223.2	222.7	222.5	222.5	222.4	222.4	222.5	222.6	222.7	11.3	28.7
12,5°	220.9	220.4	220.2	220.2	220.3	220.5	220.8	221.1	221.4	221.7	221.9	14.1	42.8
15,0°	218.0	217.8	218.1	218.5	219.1	219.7	220.3	220.9	221.6	222.0	222.2	16.8	59.6
17,5°	215.5	215.7	216.3	217.2	218.2	219.2	220.1	221.0	221.9	222.4	222.6	19.5	79.1
20,0°	213.3	213.9	214.9	216.1	217.4	218.4	219.3	220.3	221.1	221.7	221.9	22.2	101.2
22,5°	211.0	211.7	213.0	214.3	215.5	216.4	217.1	217.7	218.3	218.9	219.1	24.7	125.9
25,0°	208.4	209.5	210.8	212.0	212.8	213.1	213.1	213.0	213.1	213.4	213.7	27.2	153.2
27,5°	206.1	207.2	208.3	208.7	208.3	207.6	206.7	206.2	205.8	205.7	205.9	29.6	182.8
30,0°	204.5	205.4	205.3	204.4	202.8	200.8	199.0	197.7	197.2	196.9	197.1	31.9	214.7
32,5°	203.4	203.2	201.5	198.8	195.6	192.4	190.2	189.2	189.2	189.8	190.2	34.2	248.8
35,0°	202.5	199.9	195.9	191.3	186.9	183.7	183.2	184.2	185.8	187.0	187.5	36.4	285.3
37,5°	200.6	195.5	189.2	183.4	179.5	178.6	181.2	183.8	184.5	184.1	183.9	38.8	324.0
40,0°	198.0	189.6	181.5	176.2	175.6	179.2	182.3	180.9	177.6	175.3	174.7	41.1	365.1
42,5°	194.7	183.2	174.9	172.9	177.5	180.3	177.4	172.5	168.6	167.4	167.3	43.5	408.6
45,0°	192.0	177.6	171.3	174.8	178.0	174.0	167.2	161.5	159.2	159.1	159.4	45.9	454.5
47,5°	191.5	176.0	172.4	175.1	170.4	161.0	153.1	151.1	151.4	151.1	150.9	47.9	502.4
50,0°	191.0	178.3	173.0	165.5	156.1	145.9	140.5	139.6	136.6	132.9	131.7	49.3	551.6
52,5°	188.5	178.4	165.3	151.1	137.1	128.7	128.3	125.6	119.8	116.5	116.0	50.0	601.7
55,0°	180.5	166.4	147.4	130.9	119.3	117.7	116.1	110.0	105.8	104.4	104.7	50.3	651.9
57,5°	160.7	141.9	126.3	112.6	107.9	108.0	101.5	97.5	96.5	95.8	96.2	49.8	701.7
60,0°	137.1	120.9	107.9	100.7	100.2	95.4	88.5	86.8	86.3	85.0	85.1	48.3	750.0
62,5°	120.2	105.6	96.5	93.8	89.2	80.7	76.1	75.2	74.5	72.5	72.3	46.0	796.0
65,0°	103.2	92.1	87.2	82.7	74.1	66.9	63.7	62.8	63.5	59.8	59.3	43.9	839.8
67,5°	79.9	73.1	69.4	64.1	58.1	54.4	51.9	51.9	53.0	49.0	48.0	39.6	879.5
70,0°	59.9	55.4	52.2	49.6	47.6	45.3	41.9	41.0	41.2	36.5	35.7	34.9	914.4
72,5°	44.5	42.2	40.2	39.5	38.4	35.2	31.1	29.9	28.7	24.4	23.5	30.4	944.8
75,0°	32.9	31.4	31.0	30.7	29.2	25.4	20.6	18.2	15.7	12.8	12.1	25.2	969.9
77,5°	22.0	21.6	20.9	19.9	17.6	14.7	11.7	9.7	7.7	5.2	5.0	17.3	987.2
80,0°	11.8	11.1	10.5	9.8	8.8	7.5	6.0	4.8	3.6	2.0	1.8	8.9	996.1
82,5°	5.5	5.1	4.9	4.6	4.3	3.7	3.0	2.4	1.8	1.1	1.0	2.9	999.0
85,0°	2.0	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.6	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 Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	12720	88.6	91.7	90.2
95	239	252	12084	83.1	86.0	84.6
90	224	249	11442	77.7	80.4	79.1
85	210	247	10830	72.6	75.1	73.8
80	195	244	10163	67.4	69.5	68.4
75	181	242	9520	62.7	64.7	63.7
70	168	239	8910	58.4	60.3	59.4
65	154	236	8245	53.7	55.4	54.6
60	141	232	7618	49.2	50.9	50.0
55	128	229	6976	44.8	46.3	45.6
50	116	225	6373	40.6	42.0	41.3
45	103	221	5711	36.1	37.3	36.7
40	91	216	5090	32.2	33.2	32.7
35	79	211	4458	28.3	29.1	28.7
30	67	205	3818	24.3	25.0	24.6
25	55	198	3168	20.3	20.9	20.6
20	44	190	2565	16.5	17.0	16.8
15	32	178	1898	12.1	12.5	12.3
14	31	177	1841	11.8	12.1	12.0

Dimmstufen-Tabelle Umgebungstemperatur: 5°C	
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13070	89.7	92.8	91.2
95	239	252	12403	84.2	87.1	85.6
90	225	250	11775	79.0	81.8	80.4
85	210	247	11088	73.5	76.1	74.8
80	196	245	10439	68.7	70.8	69.8
75	183	242	9820	64.3	66.3	65.3
70	169	239	9141	59.5	61.5	60.5
65	156	236	8504	55.1	56.9	56.0
60	143	233	7858	50.6	52.2	51.4
55	130	229	7200	46.1	47.6	46.8
50	117	226	6531	41.6	43.0	42.3
45	105	222	5906	37.4	38.6	38.0
40	92	217	5219	33.0	34.0	33.5
35	80	212	4576	29.0	29.9	29.4
30	68	206	3924	25.0	25.8	25.4
25	56	199	3264	20.9	21.6	21.2
20	44	190	2595	16.8	17.3	17.0
15	33	179	1975	12.8	13.2	13.0
14	31	177	1862	12.0	12.4	12.2

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2V33R08JB EAN: 4069025150509	LP-Nummer 59540_536
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	12910	89.1	92.2	90.6
95	239	252	12258	83.6	86.5	85.0
90	224	249	11598	78.2	80.9	79.6
85	210	247	10971	73.1	75.6	74.4
80	196	245	10335	68.2	70.3	69.2
75	182	242	9679	63.6	65.5	64.6
70	169	239	9058	59.1	61.1	60.1
65	155	236	8382	54.4	56.1	55.2
60	142	233	7745	49.9	51.5	50.7
55	129	229	7095	45.4	47.0	46.2
50	116	225	6432	40.9	42.3	41.6
45	104	221	5814	36.8	38.0	37.4
40	92	217	5186	32.7	33.8	33.2
35	79	211	4494	28.5	29.3	28.9
30	67	205	3847	24.5	25.2	24.8
25	56	199	3246	20.8	21.4	21.1
20	44	190	2583	16.7	17.2	17.0
15	32	178	1910	12.2	12.6	12.4
14	31	177	1853	11.9	12.2	12.0

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2V33R08JB EAN: 4069025150509	LP-Nummer 59540_536
Lichtstrom-Tabelle		siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	12720.0	88.6
5.0	13070.0	89.7
15.0	12910.0	89.1