

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 midi LED**

**Bestell-Nr.: 5XE3V33R08LB**  
**EAN: 4069025151186**

**LP-Nummer**  
**59539\_1086**



**Ausführung** Mastansatz- / Mastaufsatzmontage, Smart Interface unten

**Optik** direkt, asymmetrisch breit strahlend P050001

**Abdeckung** Einscheibensicherheitsglas (ESG)

**Bestückung** LED 3000 K | CRI ≥ 70

**Betriebsgerät** EVG-Smart Interface

**Bemessungswerte** Nettolichtstrom = 14100 lm  
Systemleistung = 99.6 W  
Lichtausbeute = 141.6 lm/W

**Seriendokumentation**  
**22.10.2024**

**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C190-10**

**C195-15**

**C270-90**

**Imax: 326 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse: G6  
Imax 70° 300.7  
Imax 80° 79.4  
Imax 90° 0.0  
Imax >90° 0.0  
Imax >95° 0.0

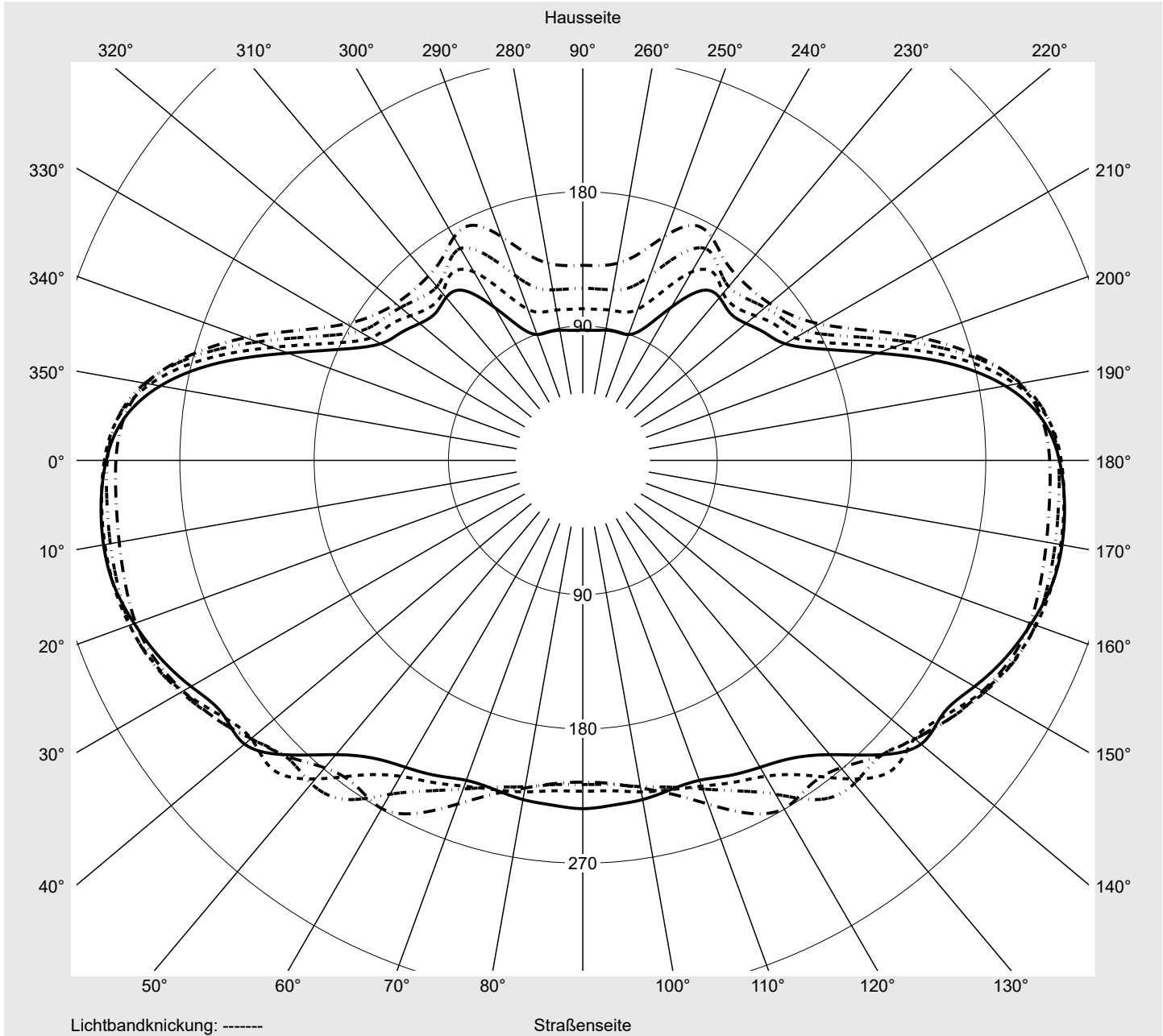
**Messbedingungen**

DIN EN 13032 und DIN 5032

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**Kegelmantelkurven in cd/klm**    **KMK 57,5°**    **KMK 55°**    **KMK 52,5°**    **KMK 50°**    **siteco**



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
2,5°	250.0	250.0	250.1	250.3	250.7	251.0	251.0	251.2	251.5	251.6	251.7	252.0	252.3
5,0°	249.9	249.8	249.8	250.2	250.6	250.8	251.0	251.2	251.6	251.6	251.8	252.1	252.3
7,5°	249.5	249.5	249.4	249.8	250.3	250.6	250.8	250.9	251.2	251.3	251.4	251.6	251.7
10,0°	249.0	248.9	248.9	249.3	249.7	250.0	250.2	250.3	250.5	250.6	250.7	250.7	250.6
12,5°	248.6	248.5	248.3	248.8	249.3	249.5	249.6	249.6	249.6	249.6	249.6	249.6	249.4
15,0°	248.3	248.3	248.1	248.6	249.0	249.0	249.0	248.9	248.7	248.7	248.5	248.2	247.7
17,5°	248.3	248.2	247.9	248.3	248.7	248.8	248.8	248.6	248.1	247.7	247.3	246.6	245.9
20,0°	248.9	249.0	248.5	249.0	249.2	249.1	249.0	248.5	247.8	247.2	246.4	245.4	244.2
22,5°	250.1	250.1	249.8	250.3	250.5	250.3	249.9	249.1	248.0	246.9	245.8	244.0	242.5
25,0°	251.4	251.8	251.8	252.3	252.4	252.0	251.1	249.9	248.3	246.5	244.7	242.8	240.9
27,5°	253.4	254.0	254.8	255.4	255.5	255.0	253.7	252.1	249.6	247.0	244.5	242.2	239.4
30,0°	255.0	256.9	258.5	259.3	259.3	258.5	257.2	254.9	251.6	248.3	245.1	241.9	238.5
32,5°	258.2	260.9	263.0	263.9	264.2	263.3	261.6	258.6	254.5	250.7	246.4	242.2	238.0
35,0°	261.7	266.1	269.0	269.9	270.0	269.4	267.1	263.1	258.6	254.1	248.8	243.6	238.9
37,5°	266.8	271.5	274.9	276.5	276.5	275.8	273.3	268.9	263.8	258.0	251.8	246.1	240.6
40,0°	274.5	279.0	282.4	284.1	284.4	283.4	280.9	275.8	270.4	263.3	256.0	249.1	242.3
42,5°	285.1	287.7	290.9	293.0	293.3	292.0	288.8	283.0	276.7	268.6	260.2	252.3	244.4
45,0°	294.5	296.9	299.4	301.9	302.8	301.6	297.2	290.6	283.0	273.7	264.6	255.2	246.2
47,5°	304.8	305.7	307.7	310.1	311.4	309.8	304.3	297.0	287.8	277.8	267.8	257.0	248.7
50,0°	312.8	313.9	315.5	317.5	318.8	316.1	309.3	300.9	290.1	280.4	269.0	265.7	269.5
52,5°	318.7	320.1	321.5	322.6	322.8	318.8	310.8	301.1	290.5	281.1	282.9	277.4	258.4
55,0°	320.6	323.6	325.2	325.3	323.2	318.2	309.6	297.3	290.1	293.3	278.7	257.5	244.5
57,5°	319.4	324.0	326.1	325.1	319.8	312.7	303.1	295.2	295.9	279.2	257.5	243.8	237.5
60,0°	315.5	321.1	323.5	322.0	313.2	302.4	294.6	297.8	286.2	257.4	242.9	234.2	227.4
62,5°	307.0	315.3	318.5	316.7	303.4	288.4	283.0	286.1	266.8	239.5	228.9	220.3	213.3
65,0°	298.5	308.0	313.6	310.8	293.9	274.5	258.2	254.1	246.7	219.3	210.7	200.1	196.9
67,5°	282.4	297.5	307.6	304.5	284.9	260.4	237.6	233.8	224.5	196.1	181.4	175.2	177.5
70,0°	265.3	283.6	300.7	296.7	273.8	244.0	215.8	202.6	190.5	173.9	157.0	152.6	154.2
72,5°	243.6	269.1	292.8	286.6	258.3	222.1	190.7	169.6	160.0	149.0	134.1	128.7	126.5
75,0°	216.2	240.5	264.2	259.5	228.1	191.8	159.7	140.2	129.3	121.7	108.1	103.8	102.5
77,5°	145.0	162.5	166.8	154.2	137.4	126.2	120.6	109.9	99.3	92.4	79.4	77.3	75.9
80,0°	69.5	56.9	56.8	60.7	61.0	60.2	65.4	60.8	54.6	59.0	55.1	55.2	45.6
82,5°	6.3	5.3	5.3	7.2	14.9	17.9	23.4	25.2	24.8	26.7	24.9	30.5	22.9
85,0°	2.5	2.5	2.4	2.4	2.3	2.3	2.1	2.2	3.8	5.7	6.8	8.1	5.9
87,5°	1.4	1.4	1.4	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0
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	0.0

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
2,5°	252.3	252.3	252.7	252.9	253.1	253.3	250.0	249.6	249.6	249.8	249.7	249.6	249.6
5,0°	252.3	252.4	252.6	252.9	253.0	253.1	249.5	249.0	248.8	248.8	248.3	248.1	247.8
7,5°	251.6	251.6	251.7	252.1	252.3	252.3	249.0	248.2	247.8	247.4	246.7	245.9	245.0
10,0°	250.3	250.2	250.3	250.4	250.5	250.5	248.3	247.4	246.8	245.8	244.4	242.9	241.2
12,5°	248.9	248.6	248.4	248.3	248.3	248.3	247.6	246.5	245.5	244.0	241.7	239.3	236.5
15,0°	247.0	246.2	245.8	245.4	245.2	244.9	247.3	245.8	244.5	242.2	239.2	235.6	231.8
17,5°	244.7	243.5	242.5	241.7	241.2	241.1	247.2	245.6	243.7	240.6	236.5	232.0	226.9
20,0°	242.7	241.0	239.5	238.3	237.5	237.1	247.7	245.9	243.3	239.2	234.0	228.1	221.9
22,5°	240.8	238.9	236.9	234.9	234.1	233.5	248.7	246.6	243.2	237.9	231.2	224.1	216.7
25,0°	239.0	236.8	234.2	231.8	230.7	230.1	250.0	247.4	243.1	236.4	228.5	220.4	212.1
27,5°	236.8	234.2	231.6	229.1	227.5	227.0	251.3	247.9	242.3	234.8	225.8	216.6	207.6
30,0°	235.1	231.9	229.1	226.5	224.6	223.9	252.4	248.4	241.6	232.7	222.7	212.6	203.0
32,5°	234.4	230.8	227.1	224.2	221.9	221.3	254.5	249.3	241.1	230.7	219.4	208.0	197.7
35,0°	234.7	230.0	225.7	222.3	219.4	218.5	257.2	250.7	240.7	228.3	215.2	202.1	191.5
37,5°	235.1	229.6	224.5	220.5	217.8	217.1	260.8	252.7	240.9	226.3	210.7	196.0	185.4
40,0°	235.7	229.1	223.6	219.4	216.7	215.7	268.8	260.3	247.2	229.4	209.2	191.2	180.0
42,5°	237.0	229.2	222.7	218.0	214.7	213.8	279.8	271.8	257.3	236.8	212.4	190.4	176.4
45,0°	238.2	230.1	224.1	220.4	218.0	217.4	290.5	281.9	265.7	242.9	216.1	191.3	174.9
47,5°	246.9	247.6	243.5	237.5	231.8	229.8	300.6	290.3	270.0	243.5	214.7	189.5	173.3
50,0°	260.9	245.1	231.6	223.0	217.4	215.7	309.1	297.1	272.4	240.5	207.0	183.1	170.2
52,5°	244.4	234.4	226.8	222.1	218.1	217.3	313.3	298.0	269.5	232.2	196.7	173.0	164.4
55,0°	238.2	232.4	228.5	225.6	222.3	221.8	313.2	294.4	262.1	221.4	185.8	164.2	158.0
57,5°	233.0	228.2	228.4	230.8	232.0	233.5	309.4	287.5	252.5	210.3	176.6	156.4	149.0
60,0°	223.2	221.3	227.4	239.2	253.0	259.4	304.3	280.9	244.1	201.6	167.7	146.0	137.4
62,5°	206.8	211.0	228.8	255.9	259.3	251.4	295.4	271.1	233.9	189.1	153.8	128.8	122.0
65,0°	191.1	200.2	214.8	159.1	99.5	81.1	284.6	258.6	219.5	173.2	136.8	113.8	106.5
67,5°	173.1	177.0	104.3	45.0	40.1	39.3	268.1	239.7	201.3	160.9	126.0	98.9	86.9
70,0°	153.9	102.1	38.9	34.7	33.3	32.7	246.7	221.4	192.0	159.1	115.1	78.0	67.2
72,5°	111.9	41.5	29.4	28.3	27.3	27.0	224.7	207.4	190.7	144.1	81.8	52.9	48.5
75,0°	61.2	23.5	22.1	21.8	21.5	21.6	197.8	193.8	171.7	100.8	45.9	35.1	33.8
77,5°	29.7	16.3	15.8	15.8	15.3	15.1	138.8	139.4	99.3	39.4	22.0	21.2	22.0
80,0°	13.6	10.4	10.2	9.9	9.6	9.4	79.4	70.3	36.0	12.7	11.5	11.9	12.6
82,5°	6.5	5.7	5.7	5.6	5.2	5.2	10.5	13.4	8.3	5.6	5.6	5.7	6.0
85,0°	2.4	2.3	2.3	2.2	2.1	2.1	2.5	2.5	2.5	2.4	2.4	2.3	2.3
87,5°	0.9	0.9	0.9	0.8	0.9	0.9	1.4	1.4	1.5	1.4	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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	0.4	0.4
2,5°	249.5	249.6	249.6	249.4	249.5	249.6	249.9	249.8	249.8	249.8	250.0	3.0	3.4
5,0°	247.3	247.0	246.7	246.3	246.1	245.9	245.8	245.6	245.4	245.5	245.5	6.0	9.3
7,5°	243.8	242.8	241.6	240.6	239.8	239.1	238.5	237.9	237.5	237.3	237.3	8.8	18.2
10,0°	239.2	237.1	235.1	233.3	231.6	230.3	229.2	228.1	227.5	227.3	227.2	11.6	29.8
12,5°	233.5	230.3	227.4	224.7	222.2	220.1	218.5	217.4	216.5	216.1	216.0	14.2	44.0
15,0°	227.8	223.5	219.5	216.0	213.0	210.5	208.6	207.2	206.3	205.9	205.8	16.8	60.8
17,5°	221.8	216.7	211.9	207.7	204.2	201.5	199.5	198.2	197.5	197.2	197.1	19.2	80.0
20,0°	215.8	210.0	205.0	200.6	197.2	194.7	193.1	192.4	192.1	192.1	192.2	21.6	101.6
22,5°	210.0	204.1	199.0	194.9	192.2	190.6	190.1	190.3	190.7	191.4	191.7	24.0	125.5
25,0°	204.8	198.6	194.1	191.3	190.1	190.3	191.3	192.8	194.3	195.5	195.9	26.4	151.9
27,5°	199.8	194.0	190.6	189.8	190.5	192.5	195.2	197.9	200.0	201.7	202.1	28.9	180.8
30,0°	195.2	190.2	188.5	189.8	192.7	196.4	200.1	203.5	206.3	208.3	209.1	31.3	212.2
32,5°	190.1	186.9	187.5	190.9	195.4	199.9	204.5	208.4	211.9	214.2	215.0	33.8	246.0
35,0°	185.4	184.1	186.9	191.8	197.2	202.0	207.3	211.8	215.6	218.4	219.5	36.3	282.3
37,5°	180.7	181.6	185.8	191.4	196.6	201.5	207.1	212.4	217.4	221.0	222.3	38.8	321.1
40,0°	176.7	178.7	183.2	188.2	193.3	198.3	204.5	211.1	216.0	218.7	219.7	41.2	362.3
42,5°	172.5	174.4	178.4	183.2	188.3	194.4	202.4	209.1	210.7	209.0	208.0	43.7	406.0
45,0°	168.5	169.0	172.8	177.7	183.6	192.3	199.7	198.2	190.3	183.1	180.9	46.0	452.0
47,5°	165.7	164.8	167.4	172.3	179.5	187.1	185.5	173.5	160.7	153.4	151.6	48.2	500.1
50,0°	163.6	160.9	161.1	164.8	172.7	173.9	159.6	143.1	134.2	131.1	130.7	49.4	549.6
52,5°	159.4	154.0	152.1	158.4	164.0	151.5	131.7	119.8	116.1	115.3	115.4	50.2	599.8
55,0°	150.8	145.1	146.3	153.1	145.8	124.0	107.8	103.0	102.4	101.7	101.7	50.5	650.3
57,5°	142.8	139.6	142.5	139.0	118.5	98.1	89.8	89.0	88.6	87.5	87.4	50.3	700.6
60,0°	133.7	133.9	130.8	113.2	90.4	79.0	76.1	75.9	75.7	74.4	74.2	49.7	750.2
62,5°	121.6	118.6	103.6	83.7	70.2	66.2	64.9	64.9	65.1	63.8	63.5	48.1	798.4
65,0°	104.0	95.2	77.1	64.1	59.9	58.1	56.9	56.9	57.6	55.8	55.5	43.5	841.8
67,5°	82.3	70.1	58.1	53.2	52.4	50.9	49.3	49.4	50.1	47.9	46.8	38.6	880.4
70,0°	61.0	51.7	46.0	45.5	45.4	43.4	40.4	39.0	38.7	35.7	35.0	34.6	915.0
72,5°	43.8	39.1	37.3	37.4	36.9	33.9	30.2	28.6	27.5	24.9	24.2	30.4	945.4
75,0°	32.1	30.1	29.5	29.0	27.9	24.8	21.3	19.4	16.5	13.2	12.4	25.4	970.8
77,5°	22.1	21.5	20.5	20.2	18.7	15.1	11.1	9.0	7.4	5.4	5.2	17.0	987.8
80,0°	12.1	11.9	10.1	9.0	8.4	7.2	5.8	4.6	3.8	2.1	1.9	8.5	996.3
82,5°	5.8	5.3	4.7	4.5	4.4	3.7	3.0	2.4	1.7	1.2	1.0	2.7	999.0
85,0°	2.1	2.1	1.9	1.8	1.7	1.5	1.3	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.1	1.0	1.0	0.9	0.8	0.7	0.7	0.7	0.7	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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<b>Dimmstufen-Tabelle</b> Umgebungstemperatur: 25°C		<b>siteco</b>

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	14100	99.6	102.2	100.9
95	239	252	13403	93.6	96.1	94.8
90	224	249	12692	87.6	89.9	88.8
85	209	247	11961	81.4	83.6	82.5
80	195	244	11261	75.8	77.8	76.8
75	181	242	10553	70.2	72.0	71.1
70	168	239	9882	65.1	66.8	65.9
65	154	236	9147	59.6	61.2	60.4
60	141	232	8450	54.8	56.2	55.5
55	128	229	7741	50.0	51.2	50.6
50	116	225	7075	45.5	46.6	46.0
45	103	221	6341	40.6	41.6	41.1
40	91	216	5652	36.0	36.8	36.4
35	79	211	4952	31.3	32.1	31.7
30	67	205	4242	26.9	27.5	27.2
25	55	198	3520	22.4	23.0	22.7
20	44	190	2847	18.3	18.7	18.5
15	32	178	2105	13.6	13.9	13.8
14	29	175	1917	12.3	12.6	12.4

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	14460	100.9	103.5	102.2
95	239	252	13729	94.8	97.3	96.0
90	225	250	13036	89.2	91.5	90.4
85	210	247	12276	82.9	85.2	84.1
80	196	245	11552	77.3	79.2	78.2
75	182	242	10819	71.6	73.5	72.6
70	169	239	10126	66.4	68.2	67.3
65	156	236	9423	61.3	62.9	62.1
60	142	233	8653	55.9	57.3	56.6
55	129	229	7926	51.1	52.3	51.7
50	117	226	7245	46.5	47.6	47.0
45	104	221	6494	41.6	42.6	42.1
40	92	217	5792	36.9	37.8	37.3
35	80	212	5080	32.2	33.0	32.6
30	68	206	4357	27.6	28.3	28.0
25	56	199	3624	23.2	23.7	23.4
20	44	190	2880	18.6	19.0	18.8
15	33	179	2191	14.2	14.6	14.4
13	29	175	1938	12.5	12.8	12.6

## Lichttechnischer Prüfbefund

<b>Familie</b> Streetlight 21 midi LED	<b>Bestell-Nr.: 5XE3V33R08LB</b> <b>EAN: 4069025151186</b>	<b>LP-Nummer</b> 59539_1086
<b>Dimmstufen-Tabelle</b>		<b>sITeco</b>
Umgebungstemperatur: 15°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	14300	100.2	102.8	101.5
95	239	252	13585	94.2	96.7	95.4
90	224	249	12856	88.2	90.4	89.3
85	210	247	12160	82.3	84.6	83.4
80	196	245	11447	76.7	78.7	77.7
75	182	242	10726	71.1	73.0	72.0
70	168	239	9990	65.6	67.3	66.4
65	155	236	9296	60.4	62.1	61.2
60	142	233	8590	55.5	56.9	56.2
55	129	229	7871	50.7	51.9	51.3
50	116	225	7140	45.9	47.0	46.4
45	104	221	6454	41.3	42.3	41.8
40	91	216	5699	36.3	37.1	36.7
35	79	211	4992	31.6	32.4	32.0
30	67	205	4274	27.1	27.7	27.4
25	55	198	3545	22.6	23.2	22.9
20	44	190	2867	18.5	18.9	18.7
15	32	178	2118	13.7	14.0	13.8
13	29	175	1930	12.4	12.7	12.6

office

industry

traffic

retail

public

sports

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 midi LED**

**Bestell-Nr.: 5XE3V33R08LB**  
**EAN: 4069025151186**

**LP-Nummer**  
**59539\_1086**

### Lichtstrom-Tabelle

**siteco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	14100.0	99.6
5.0	14460.0	100.9
15.0	14300.0	100.2