

Lichttechnischer Prüfbefund

Familie
Streetlight 21 midi LED

Bestell-Nr.: 5XE3D41G08NB
EAN: 4058352727973

LP-Nummer
59078_90



Ausführung	Mastansatz- / Mastaufsatzmontage
Optik	asymmetrisch, breit strahlend (ST1.0a G)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 24250 lm Systemleistung = 155.5 W Lichtausbeute = 155.9 lm/W

Seriendokumentation
23.08.2022

siteco

Lichtstärke in cd/klm

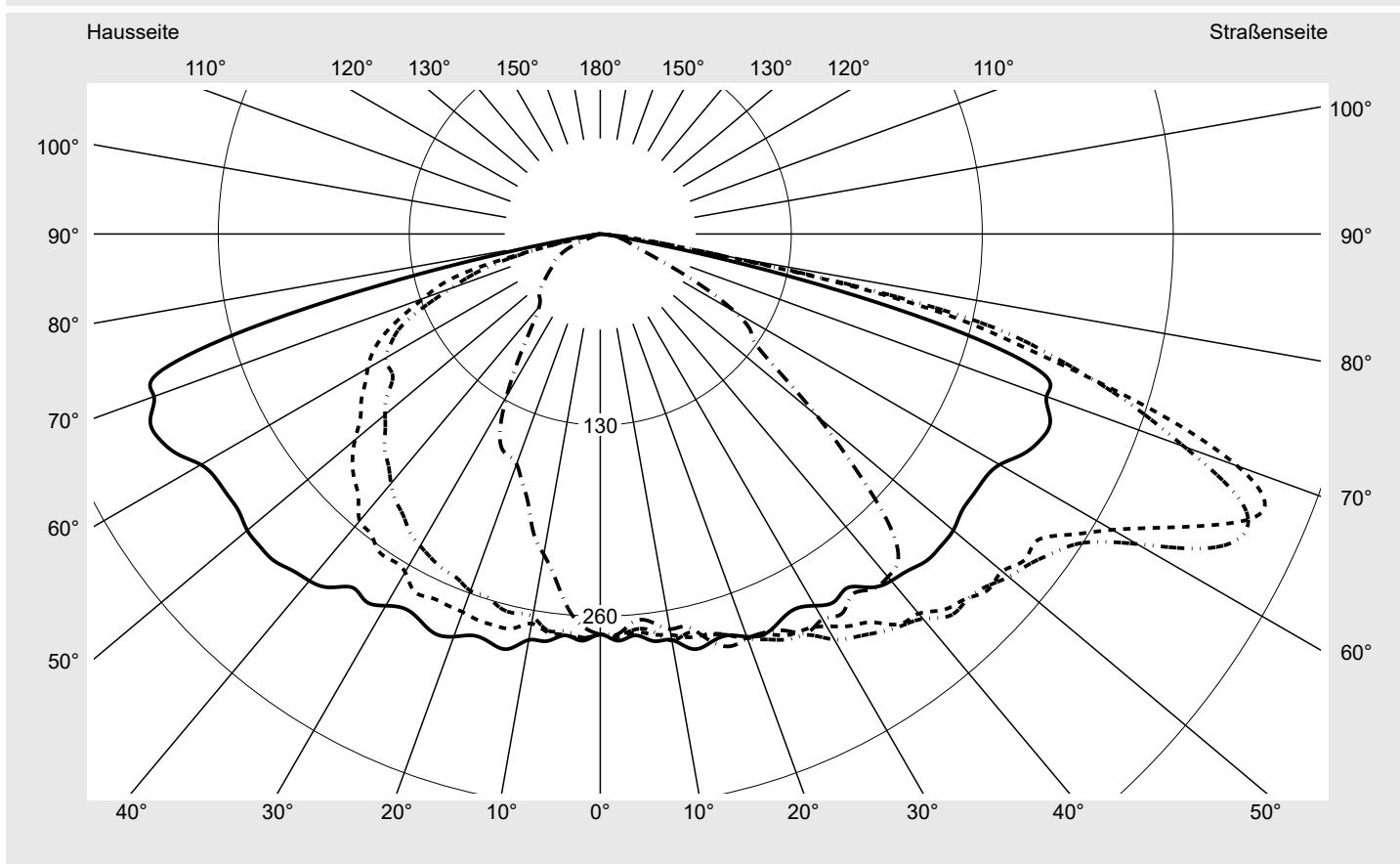
C180-0

C195-15

C200-20

C270-90

Imax: 489 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G4
Imax 70°	461.5
Imax 80°	96.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Messbedingungen

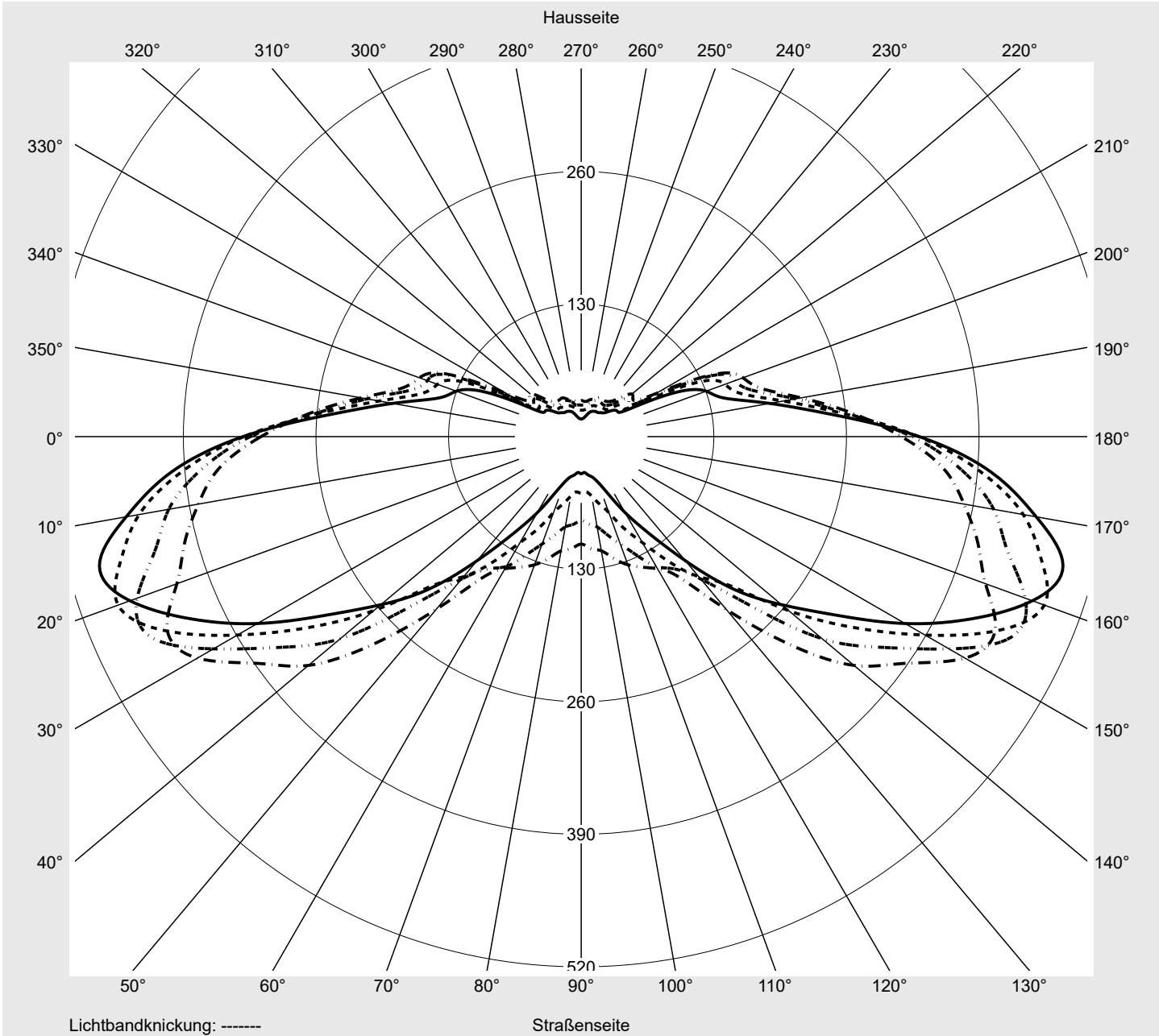
DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°**



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Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3D41G08NB EAN: 4058352727973	LP-Nummer 59078_90
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	277.0	276.4	275.2	274.5	273.0	273.7	272.9	273.0	271.2	271.2	271.1	271.2	271.4
5,0°	274.1	274.0	274.4	271.9	270.1	269.9	268.3	270.2	270.2	270.8	270.6	270.2	268.6
7,5°	279.4	277.3	274.8	274.9	272.6	273.0	273.3	271.7	269.4	269.4	269.0	268.1	269.4
10,0°	280.5	276.6	274.8	277.0	280.8	278.6	272.2	269.6	269.1	273.3	273.9	275.3	275.6
12,5°	289.2	286.8	282.7	281.0	277.9	277.4	280.6	282.2	279.8	279.6	278.5	279.4	279.1
15,0°	288.1	289.0	288.6	282.0	281.9	284.6	284.1	287.9	291.2	290.4	290.4	287.4	286.6
17,5°	286.5	287.8	285.5	285.9	286.0	290.2	291.3	295.8	292.3	291.9	293.7	291.6	289.1
20,0°	291.5	292.4	288.6	292.7	293.0	298.5	297.4	298.5	297.9	297.2	297.4	296.1	295.5
22,5°	294.2	287.4	289.6	295.1	298.6	301.7	301.5	304.4	301.6	303.0	304.1	302.2	302.9
25,0°	290.1	291.1	297.6	301.1	304.1	306.9	304.1	310.9	311.8	314.8	310.7	306.6	305.0
27,5°	287.5	292.3	300.5	303.1	307.5	314.6	310.4	317.0	314.8	313.0	306.9	305.5	309.4
30,0°	292.0	294.2	306.8	308.2	318.6	321.3	321.7	325.9	317.9	312.7	313.6	314.2	314.2
32,5°	296.6	303.4	310.5	316.2	324.8	328.0	325.1	324.3	321.7	320.6	319.3	318.8	318.9
35,0°	293.7	307.9	314.0	322.5	330.7	330.2	333.2	331.9	324.2	323.3	323.9	327.2	329.1
37,5°	303.1	313.9	324.1	334.6	336.2	339.9	336.6	332.6	330.2	336.0	331.7	335.5	336.0
40,0°	308.1	323.2	333.3	337.1	341.8	344.1	345.3	335.2	345.8	340.1	337.1	341.4	336.8
42,5°	310.4	331.9	338.8	346.6	352.2	343.4	360.7	346.8	357.8	348.2	345.1	344.2	337.4
45,0°	314.3	336.1	345.1	351.3	352.5	350.5	355.5	355.4	363.9	365.9	352.7	349.6	341.3
47,5°	314.4	339.7	350.1	358.2	355.5	358.5	354.9	364.8	369.6	371.3	360.1	351.7	330.9
50,0°	313.6	338.4	355.7	357.1	362.9	365.7	359.9	376.6	390.1	379.0	360.1	337.0	305.4
52,5°	310.1	339.8	351.2	364.1	368.6	376.4	380.3	400.7	411.0	378.8	346.4	308.8	268.0
55,0°	309.7	336.3	357.1	363.3	377.6	395.3	407.2	415.4	395.9	359.4	318.0	267.3	223.8
57,5°	310.0	338.2	361.6	380.5	390.8	408.7	436.4	415.4	373.0	331.3	278.8	218.4	176.1
60,0°	313.9	356.4	381.1	402.5	421.8	447.8	434.4	387.7	349.1	287.7	221.2	169.0	149.6
62,5°	324.3	374.3	410.6	432.6	463.2	465.3	416.3	360.4	308.4	234.2	182.3	158.2	147.0
65,0°	330.8	392.8	440.0	467.1	483.1	450.2	389.2	326.5	265.4	207.0	179.3	149.5	120.1
67,5°	331.5	403.9	453.0	489.0	470.7	422.7	366.6	305.3	256.5	211.8	158.8	115.9	86.0
70,0°	323.2	394.9	447.7	461.5	422.9	385.2	351.0	344.3	283.9	188.9	118.3	74.2	48.5
72,5°	316.1	359.3	401.7	388.4	373.1	363.3	394.6	409.8	286.0	144.6	69.3	39.5	28.1
75,0°	244.1	257.5	289.2	299.7	316.8	366.8	438.0	374.9	196.5	72.3	32.2	23.3	21.1
77,5°	127.1	147.2	181.9	217.4	238.2	288.7	316.5	219.1	70.5	28.0	20.6	17.9	17.0
80,0°	33.5	53.0	71.3	80.0	84.1	96.1	90.3	66.5	20.1	17.3	16.8	12.6	12.6
82,5°	6.2	9.7	17.5	24.9	29.9	37.4	35.4	17.1	10.8	10.9	11.3	8.2	8.1
85,0°	1.2	1.4	2.0	2.7	3.3	4.8	5.6	4.1	4.1	4.6	5.2	4.0	3.9
87,5°	0.3	0.4	0.5	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.5	1.2	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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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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	271.5	272.2	271.7	270.4	271.3	272.5	277.7	275.7	275.6	274.8	274.5	271.8	269.8
5,0°	268.1	267.6	267.2	266.5	266.4	264.7	276.0	275.8	273.8	271.3	270.7	265.9	261.6
7,5°	270.3	271.6	268.7	269.2	266.8	266.3	278.8	275.9	273.3	272.2	266.5	262.4	258.5
10,0°	279.4	277.9	273.7	272.9	271.2	273.0	280.7	276.5	269.2	264.4	259.9	255.3	249.5
12,5°	278.6	280.8	279.4	279.3	278.5	273.8	288.2	284.0	274.9	264.3	256.9	253.0	246.5
15,0°	285.1	284.0	283.9	287.7	288.0	286.1	289.0	286.8	275.9	263.3	253.3	246.3	239.9
17,5°	290.0	288.1	290.0	288.8	291.7	294.1	287.2	284.3	275.6	258.5	253.6	241.8	228.9
20,0°	293.4	292.3	296.4	290.0	290.0	292.8	293.7	285.3	273.7	258.3	246.8	237.9	222.9
22,5°	298.9	295.2	298.5	293.0	293.5	293.4	291.1	289.6	273.2	253.8	240.0	225.4	215.1
25,0°	303.5	300.9	298.5	297.3	296.1	297.7	289.2	283.4	273.0	251.9	234.0	219.6	206.1
27,5°	304.9	305.2	302.5	301.1	299.3	305.5	291.3	285.0	274.1	248.8	231.4	212.9	194.9
30,0°	312.7	305.3	305.5	302.9	307.6	302.7	288.7	284.3	265.7	245.1	225.0	207.3	188.4
32,5°	319.2	313.3	310.5	312.2	306.2	306.2	283.1	279.6	263.4	240.9	219.4	196.1	184.6
35,0°	323.5	319.3	312.4	309.8	305.1	299.3	286.6	274.8	263.2	233.8	209.8	191.2	183.1
37,5°	329.9	320.0	318.1	311.8	303.1	304.5	285.3	273.8	256.8	228.8	203.4	183.6	178.0
40,0°	326.8	319.2	316.0	314.5	307.7	304.6	283.4	268.2	254.7	221.7	195.2	181.8	177.4
42,5°	328.9	324.7	313.0	313.8	302.9	300.2	281.7	262.2	243.7	213.5	188.7	181.1	170.7
45,0°	329.9	314.5	297.4	287.6	275.9	276.6	282.8	256.2	236.6	207.6	182.1	178.0	160.5
47,5°	308.8	280.5	261.8	246.2	234.1	234.1	281.8	246.6	228.8	198.6	177.3	171.6	143.5
50,0°	269.9	239.9	221.1	206.5	191.4	192.8	272.7	241.8	218.0	191.2	173.4	161.4	125.2
52,5°	227.6	201.2	180.4	164.6	155.8	152.3	269.6	232.4	205.8	183.3	167.5	141.2	105.0
55,0°	184.5	161.5	142.3	135.6	131.5	128.0	268.2	229.8	198.7	172.6	162.6	121.1	89.1
57,5°	150.6	141.1	134.8	129.7	120.0	120.9	267.6	224.3	189.9	170.2	151.9	105.1	75.3
60,0°	141.3	133.7	123.7	113.7	110.2	105.4	266.2	219.0	182.8	168.7	145.2	84.3	62.4
62,5°	128.2	112.1	99.9	90.0	86.2	82.4	261.4	213.3	174.7	160.5	141.7	72.1	56.8
65,0°	99.2	79.4	68.2	59.3	54.4	55.5	258.5	201.1	162.6	150.0	126.5	62.8	50.1
67,5°	61.3	47.3	40.9	38.1	35.3	36.4	247.6	187.6	145.7	130.3	103.1	53.3	43.3
70,0°	35.3	31.8	30.3	27.9	27.8	26.8	240.7	174.2	128.1	108.1	85.0	47.0	35.7
72,5°	25.9	25.3	24.5	22.6	23.1	21.7	230.1	158.9	112.6	89.8	64.6	36.7	31.7
75,0°	20.7	20.5	19.8	18.7	18.3	18.0	194.3	130.2	78.9	63.6	43.0	28.7	26.2
77,5°	16.6	16.2	15.3	14.6	14.3	14.6	118.7	58.0	20.8	29.3	25.7	17.5	17.8
80,0°	11.9	12.1	11.0	10.7	10.4	10.4	32.3	9.7	6.1	12.2	12.9	9.1	9.1
82,5°	8.0	7.6	7.6	7.4	6.9	6.2	5.0	2.7	2.9	3.9	4.1	3.0	1.6
85,0°	3.7	4.1	4.1	3.7	3.3	3.0	1.2	1.0	1.0	0.7	0.6	0.5	0.2
87,5°	1.1	1.3	1.2	1.1	1.0	1.0	0.3	0.2	0.2	0.2	0.1	0.1	0.0
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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	0.4	0.4
2,5°	268.5	268.9	268.2	267.9	268.1	267.2	267.4	267.3	267.8	267.2	267.4	3.2	3.7
5,0°	258.3	254.5	252.2	250.1	250.6	249.2	250.4	252.1	254.6	253.9	255.1	6.3	10.0
7,5°	253.2	249.6	246.9	243.4	241.8	240.1	238.5	238.0	237.2	236.5	235.9	9.4	19.4
10,0°	246.6	241.3	236.8	232.4	231.2	227.8	225.6	222.2	220.8	221.0	221.4	12.4	31.8
12,5°	242.7	233.6	227.3	222.1	217.3	215.3	212.9	212.5	209.4	207.8	209.0	15.4	47.2
15,0°	233.0	224.6	215.3	210.9	206.2	200.4	196.3	196.0	195.2	190.0	189.7	18.4	65.6
17,5°	223.4	215.6	205.0	198.1	192.0	188.0	182.3	180.3	179.7	177.1	177.0	21.1	86.7
20,0°	214.7	202.7	194.1	186.2	181.6	179.9	175.0	171.4	172.3	169.2	166.4	23.9	110.6
22,5°	204.1	193.6	184.4	178.0	171.6	170.7	170.7	168.1	164.5	164.2	163.2	26.7	137.3
25,0°	189.5	182.2	178.9	173.9	167.7	164.7	164.2	162.4	163.3	162.0	159.6	29.4	166.7
27,5°	186.1	181.6	171.6	167.3	164.1	158.7	157.7	154.0	150.5	149.0	147.0	32.0	198.7
30,0°	181.3	178.3	168.4	164.0	159.7	154.5	144.9	141.4	133.3	128.4	127.6	34.5	233.3
32,5°	177.7	168.8	163.3	159.4	151.2	146.4	135.1	123.5	114.9	107.7	107.0	36.9	270.1
35,0°	178.3	165.2	156.5	148.1	142.4	131.6	119.3	106.1	96.7	90.9	87.8	39.0	309.1
37,5°	171.2	159.1	148.6	141.6	129.9	113.6	100.4	89.5	80.3	75.0	73.4	41.2	350.3
40,0°	161.1	148.6	139.0	131.3	114.8	96.2	81.8	73.1	68.4	65.6	64.8	43.1	393.4
42,5°	151.2	140.3	126.0	117.4	100.5	81.3	70.4	66.6	62.3	61.2	60.6	45.0	438.4
45,0°	137.4	125.8	116.7	102.3	84.9	69.6	62.1	58.5	57.5	58.4	58.8	46.2	484.6
47,5°	122.6	111.6	104.9	87.4	70.5	62.3	56.9	55.3	55.3	54.1	55.2	46.5	531.1
50,0°	105.9	101.5	94.5	74.3	62.2	56.1	53.6	51.7	51.0	50.8	49.9	46.3	577.4
52,5°	92.1	89.6	74.0	62.8	54.7	52.6	50.1	48.1	46.4	46.3	45.2	45.6	623.0
55,0°	80.1	75.2	59.7	53.1	49.2	47.3	46.2	43.5	42.4	41.7	40.8	44.6	667.6
57,5°	72.2	65.6	52.2	46.3	45.2	44.5	42.2	40.0	38.3	37.8	37.8	43.9	711.6
60,0°	64.9	53.5	45.3	42.3	42.0	42.0	39.0	37.8	35.5	34.7	35.5	43.4	755.0
62,5°	58.2	46.5	40.2	38.0	38.7	38.9	37.6	35.3	31.6	31.2	30.9	42.7	797.7
65,0°	48.5	38.6	35.4	35.0	33.2	33.2	32.2	30.1	27.6	26.1	25.9	41.1	838.8
67,5°	40.0	33.3	30.7	28.8	28.4	27.4	25.8	22.4	19.4	17.8	17.3	38.7	877.5
70,0°	33.9	28.1	26.6	25.0	23.5	19.0	16.2	11.9	9.1	7.5	6.5	36.0	913.6
72,5°	26.8	22.8	22.0	19.8	14.7	10.1	6.8	4.3	3.5	3.1	3.2	33.2	946.7
75,0°	21.1	16.5	14.5	11.7	7.0	3.9	2.7	1.7	1.5	1.6	1.9	27.1	973.8
77,5°	13.6	9.9	6.4	3.8	2.2	1.3	1.2	0.7	0.6	0.8	1.1	17.1	991.0
80,0°	5.6	2.8	1.3	0.3	0.4	0.2	0.2	0.3	0.2	0.3	0.5	6.1	997.1
82,5°	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	2.2	999.3
85,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	999.9
87,5°	0.0	0.0	0.0	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 midi LED	Bestell-Nr.: 5XE3D41G08NB EAN: 4058352727973	LP-Nummer 59078_90
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	24250	155.5	162.3	158.9
95	241	252	23009	145.3	151.5	148.4
90	229	250	21863	136.2	141.9	139.0
85	216	248	20622	126.7	131.9	129.3
80	203	246	19381	117.5	122.3	119.9
75	190	243	18140	108.6	113.1	110.8
70	178	241	16994	100.6	104.7	102.6
65	165	238	15753	92.2	96.0	94.1
60	152	235	14512	84.0	87.3	85.6
55	140	232	13366	76.7	79.7	78.2
50	127	229	12125	68.9	71.6	70.2
45	114	225	10884	61.3	63.7	62.5
40	102	221	9738	54.4	56.6	55.5
35	89	216	8497	47.2	49.0	48.1
30	76	210	7256	40.0	41.5	40.8
25	63	203	6015	32.9	34.2	33.6
20	51	195	4869	26.8	27.8	27.3
15	38	184	3628	20.1	20.9	20.5
10	25	169	2387	13.7	14.2	14.0
9	23	166	2196	12.7	13.1	12.9

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24250	151.6	157.7	154.6
95	241	252	23009	142.1	147.7	144.9
90	229	250	21863	133.4	138.8	136.1
85	216	248	20622	124.5	129.3	126.9
80	203	246	19381	115.7	120.2	118.0
75	190	243	18140	107.3	111.4	109.4
70	178	241	16994	99.5	103.4	101.4
65	165	238	15753	91.3	94.9	93.1
60	152	235	14512	83.3	86.6	84.9
55	140	232	13366	76.2	79.1	77.6
50	127	229	12125	68.6	71.2	69.9
45	114	225	10884	61.2	63.5	62.4
40	102	221	9738	54.4	56.5	55.4
35	89	216	8497	47.0	49.0	48.0
30	76	210	7256	40.0	41.4	40.7
25	63	203	6015	33.0	34.2	33.6
20	51	195	4869	26.8	27.8	27.3
15	38	184	3628	20.3	21.0	20.6
10	25	169	2387	13.9	14.3	14.1
9	23	166	2196	12.9	13.3	13.1

Lichttechnischer Prüfbefund

Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3D41G08NB EAN: 4058352727973	LP-Nummer 59078_90
Dimmstufen-Tabelle		Umgebungstemperatur: 15°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24250	153.1	159.4	156.2
95	241	252	23009	143.3	149.1	146.2
90	229	250	21863	134.5	139.8	137.2
85	216	248	20622	125.3	130.3	127.8
80	203	246	19381	116.4	121.0	118.7
75	190	243	18140	107.7	111.9	109.8
70	178	241	16994	100.0	103.8	101.9
65	165	238	15753	91.7	95.2	93.4
60	152	235	14512	83.5	86.8	85.2
55	140	232	13366	76.3	79.2	77.8
50	127	229	12125	68.6	71.3	69.9
45	114	225	10884	61.1	63.5	62.3
40	102	221	9738	54.3	56.4	55.4
35	89	216	8497	47.0	48.9	48.0
30	76	210	7256	39.9	41.4	40.6
25	63	203	6015	33.0	34.2	33.6
20	51	195	4869	26.8	27.7	27.2
15	38	184	3628	20.2	20.9	20.5
10	25	169	2387	13.7	14.1	13.9
9	23	166	2196	12.7	13.1	12.9

Lichttechnischer Prüfbefund

Familie Streetlight 21 midi LED	Bestell-Nr.: 5XE3D41G08NB EAN: 4058352727973	LP-Nummer 59078_90
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Lichtstrom-Tabelle	sITeco
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	24250.0	155.5
5.0	24250.0	151.6
15.0	24250.0	153.1