Lichttechnischer Prüfbefund

Familie
Streetlight 31 midi toolless

Bestell-Nr.: 5XH7D3AB08LA
EAN: 4069025099303

Ausführung	Mastansatz- / Mastaufsatzmontage
Optik	direkt, asymmetrisch breit strahlend S100003
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000 K | CRI ≥ 70
Betriebsgerät	EVG SITECO
Bemessungswerte	Nettolichtstrom = 13170 lm Systemleistung = 86.6 W Lichtausbeute = 152.1 lm/W

LP-Nummer
59076_1911

Seriendokumentation
10.04.2024

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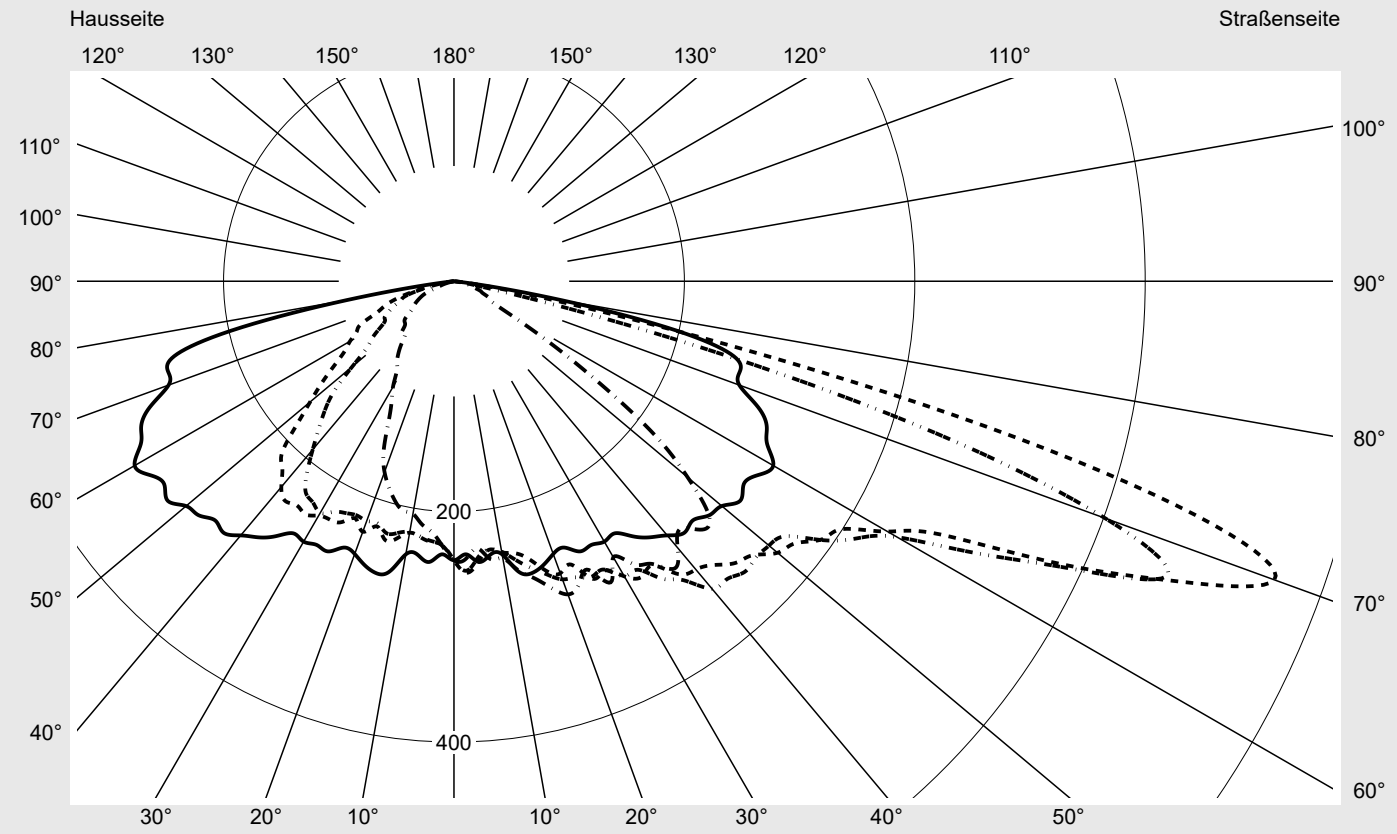
Lichtstärke in cd/klm

C180-0 | C205-25 | C210-30 | C270-90

Imax: 758 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	757.8
Imax 80°	95.1
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 70° KMK 67,5° KMK 65° KMK 62,5°

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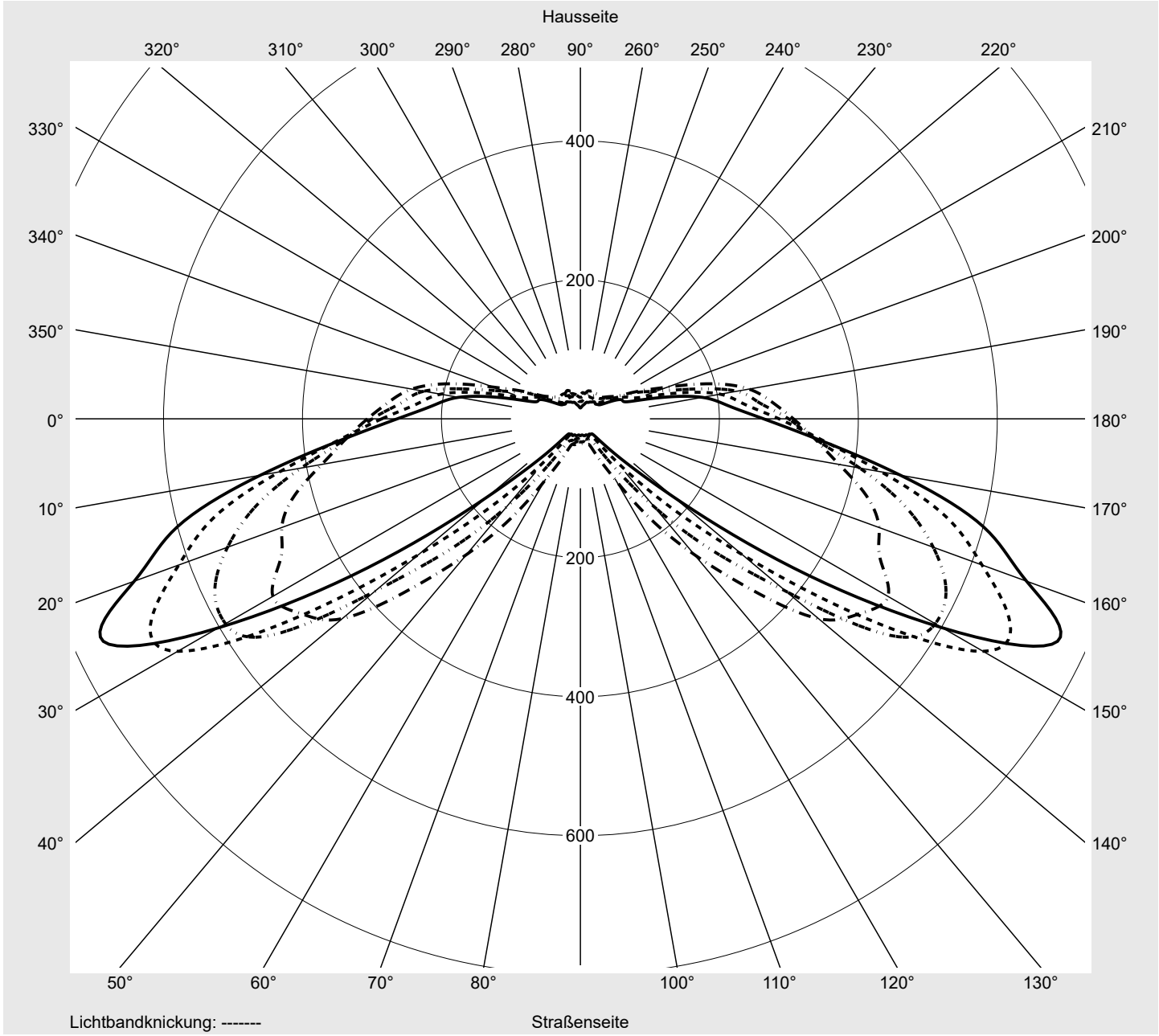

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Familie	Bestell-Nr.: 5XH7D3AB08LA	LP-Nummer
Streetlight 31 midi toolless	**EAN: 4069025099303**	**59076_1911**

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Wertetabelle Lichtstärkemessung

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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	237.2	240.2	243.6	247.1	250.1	253.3	251.5	253.0	253.9	252.9	249.2	247.7	247.6
5,0°	244.6	247.2	246.5	245.5	245.0	244.3	240.5	238.5	236.3	236.3	235.1	233.7	233.4
7,5°	239.7	245.1	248.3	244.6	238.3	235.0	234.8	231.4	230.3	234.8	234.3	239.5	238.7
10,0°	240.7	249.2	251.4	243.9	239.9	238.9	238.4	242.1	240.6	240.8	243.3	249.6	251.2
12,5°	258.0	251.3	242.2	234.8	236.0	241.7	247.8	251.1	250.2	252.7	253.4	256.8	257.4
15,0°	262.2	249.0	244.4	246.5	247.0	249.2	257.5	261.4	264.2	266.4	265.5	261.6	261.2
17,5°	258.3	251.3	248.4	253.2	259.5	262.9	266.6	264.1	266.6	271.6	270.9	268.4	275.4
20,0°	251.9	249.8	249.6	255.8	262.8	269.8	275.4	276.2	274.3	273.3	279.4	281.1	281.7
22,5°	250.2	252.4	255.0	266.6	270.7	266.2	278.1	280.2	283.2	284.7	277.3	280.4	284.0
25,0°	258.8	258.1	263.4	267.5	275.0	285.0	283.0	287.9	292.3	291.9	288.1	291.2	291.4
27,5°	258.1	259.3	264.2	271.8	275.5	283.2	282.1	292.3	297.8	295.7	295.0	295.6	295.2
30,0°	261.0	264.7	278.4	274.8	287.8	295.8	295.6	301.4	307.5	307.5	302.4	301.2	298.5
32,5°	259.5	271.5	275.0	285.5	290.4	303.8	296.9	312.8	318.7	323.5	314.1	299.9	297.4
35,0°	270.2	277.9	282.4	285.4	294.7	301.1	315.2	320.4	320.7	320.8	310.6	315.9	307.3
37,5°	280.1	288.9	291.9	300.1	302.5	320.5	327.1	330.1	327.2	324.3	312.1	312.9	322.0
40,0°	288.0	294.9	294.8	301.0	311.0	326.6	348.4	339.0	340.9	323.5	314.9	336.9	331.0
42,5°	296.1	297.5	298.1	316.3	327.4	334.0	350.7	340.8	336.4	326.9	332.4	337.9	345.0
45,0°	293.4	307.2	308.2	316.1	329.3	345.7	356.8	343.0	340.7	351.3	353.6	361.0	358.7
47,5°	300.6	307.3	314.8	328.8	344.9	352.0	355.2	354.7	351.0	370.6	372.7	358.6	351.6
50,0°	303.5	304.1	310.6	329.1	357.1	366.7	357.0	357.9	374.0	384.7	373.8	352.0	342.3
52,5°	313.1	308.3	311.4	326.1	362.1	373.6	363.6	377.1	396.3	399.9	374.1	343.5	326.4
55,0°	307.1	316.8	324.7	337.2	363.3	390.4	392.0	402.7	402.8	386.8	366.3	344.1	310.0
57,5°	313.1	325.8	337.5	353.8	370.6	400.3	415.2	426.0	418.2	382.6	371.0	318.2	258.7
60,0°	320.0	336.4	356.7	382.3	399.2	434.6	444.2	455.3	436.4	397.2	321.8	253.6	192.9
62,5°	306.5	339.5	378.1	425.8	457.4	476.0	511.2	489.6	447.5	347.0	255.1	175.8	103.5
65,0°	299.6	340.0	408.3	483.0	540.4	580.6	589.8	543.1	386.3	266.9	165.4	84.9	43.0
67,5°	285.8	348.9	439.6	545.0	615.1	681.0	669.3	499.2	304.3	169.4	77.8	34.0	31.0
70,0°	263.6	344.2	467.8	600.6	683.4	757.8	601.6	373.8	175.0	76.2	32.7	27.1	25.4
72,5°	260.2	352.1	495.4	595.6	690.0	674.7	438.4	194.3	80.1	34.9	24.8	22.8	22.3
75,0°	251.4	355.3	453.9	502.5	563.4	449.7	222.3	65.9	33.6	23.0	18.2	18.2	18.1
77,5°	197.9	250.8	269.9	280.6	272.8	192.3	58.2	20.2	16.5	16.7	17.0	14.7	13.0
80,0°	95.1	86.3	83.1	87.4	87.1	61.8	14.5	10.9	9.9	10.1	14.8	9.2	8.4
82,5°	19.9	14.9	10.6	15.6	24.6	15.4	6.7	8.0	5.4	4.5	5.7	4.8	5.3
85,0°	1.2	1.1	1.6	1.3	1.6	1.7	1.9	2.0	2.1	1.8	1.8	1.6	1.8
87,5°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5
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

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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	246.5	245.6	245.8	243.2	241.6	241.0	237.5	234.9	231.4	229.7	229.1	229.7	228.7
5,0°	231.5	228.9	230.8	232.5	234.2	232.7	235.6	233.9	229.2	227.3	227.0	226.3	224.2
7,5°	238.9	237.7	239.2	239.1	238.8	243.3	233.9	231.9	226.6	222.4	224.0	223.5	219.5
10,0°	251.1	250.4	247.0	246.6	242.9	244.2	232.6	230.0	230.1	225.8	221.6	221.1	218.9
12,5°	255.3	254.8	254.6	255.0	256.4	256.8	251.6	236.9	233.3	228.9	228.6	223.7	220.7
15,0°	261.0	263.4	264.6	269.2	266.7	266.5	251.8	236.5	234.4	231.8	232.1	226.4	214.7
17,5°	273.5	269.8	271.0	269.3	274.0	278.7	254.8	236.7	230.6	229.6	223.0	220.4	211.5
20,0°	277.0	273.8	278.5	273.5	277.4	289.2	253.6	246.1	236.7	232.5	231.4	221.3	218.5
22,5°	283.3	280.0	281.4	274.0	278.9	284.1	258.2	245.1	237.3	231.5	223.1	220.1	214.1
25,0°	291.6	289.2	282.7	284.9	281.8	276.4	256.1	253.5	245.1	231.6	230.7	222.1	220.2
27,5°	291.0	297.1	284.7	284.4	283.7	294.6	253.8	262.2	247.2	243.6	233.3	225.6	220.2
30,0°	299.4	285.0	290.4	287.0	284.1	276.6	260.1	262.3	252.5	242.6	235.0	232.1	216.3
32,5°	303.1	294.9	292.6	291.3	291.6	291.4	267.1	268.3	257.6	249.2	239.9	227.8	207.5
35,0°	305.6	303.8	309.8	304.1	309.8	299.5	265.1	272.9	264.3	257.9	237.6	224.2	192.7
37,5°	327.6	321.4	316.6	327.0	311.9	314.4	267.5	273.9	266.0	253.1	240.5	209.6	171.7
40,0°	335.6	329.6	322.7	314.6	317.2	302.1	280.5	272.5	268.4	257.7	233.1	190.7	159.6
42,5°	344.1	323.1	317.5	312.8	305.5	291.3	285.6	276.8	274.2	255.0	220.5	173.7	147.1
45,0°	334.8	321.1	311.8	310.6	303.9	304.9	290.4	275.0	272.0	249.5	211.3	158.5	132.3
47,5°	329.8	320.9	301.3	306.7	283.3	299.9	289.6	280.3	276.9	239.7	185.9	140.8	119.7
50,0°	322.5	303.3	286.7	277.3	266.1	264.8	299.6	279.3	263.2	226.2	163.0	115.2	100.4
52,5°	304.5	279.5	254.9	243.3	227.8	220.6	304.6	284.5	261.5	202.5	144.2	95.6	87.7
55,0°	271.9	232.3	195.4	182.8	167.1	154.6	302.4	281.2	248.9	189.5	126.0	87.0	82.7
57,5°	205.3	164.9	136.9	107.6	100.1	94.8	295.7	276.1	229.0	169.2	112.1	76.9	69.4
60,0°	135.3	91.2	69.1	54.0	51.1	48.0	295.6	255.4	206.1	148.6	104.2	69.2	64.4
62,5°	63.8	41.6	38.3	37.4	35.9	35.9	276.8	246.4	194.9	133.5	95.3	67.9	56.0
65,0°	34.8	33.0	36.1	33.5	33.3	33.3	259.4	228.7	165.0	116.1	89.9	62.4	52.0
67,5°	28.3	30.3	30.4	29.0	28.2	27.1	237.7	204.2	142.9	89.0	74.0	56.7	44.9
70,0°	26.6	24.6	25.1	24.3	23.4	24.3	214.1	178.1	117.5	71.7	65.1	49.6	35.8
72,5°	20.9	22.8	22.1	20.1	20.0	18.5	199.3	149.2	98.9	60.6	55.2	45.6	31.0
75,0°	18.0	17.9	18.1	15.7	15.1	15.9	176.2	102.0	69.4	40.3	40.9	34.6	28.7
77,5°	14.2	13.9	12.6	12.2	11.3	11.2	100.8	18.4	18.7	26.1	24.0	21.5	20.6
80,0°	9.5	8.9	8.4	8.0	6.9	6.7	38.7	5.8	7.9	14.6	11.5	12.5	10.7
82,5°	4.7	5.0	4.6	3.8	3.5	3.5	7.8	3.4	3.6	6.4	5.1	4.4	4.3
85,0°	2.1	1.9	1.8	1.5	1.1	1.5	1.2	1.1	1.1	1.1	1.1	1.1	0.9
87,5°	0.4	0.4	0.4	0.3	0.3	0.7	0.3	0.2	0.3	0.3	0.2	0.2	0.1
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

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 5XH7D3AB08LA	LP-Nummer
Streetlight 31 midi toolless	**EAN: 4069025099303**	**59076_1911**

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Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	**0.4**	**0.4**
2,5°	228.8	228.3	228.5	228.0	228.0	228.7	228.7	231.0	230.4	231.6	230.0	**2.9**	**3.2**
5,0°	224.8	225.1	221.3	223.3	220.3	219.6	217.9	216.2	216.4	215.3	218.6	**5.5**	**8.7**
7,5°	220.9	217.1	216.6	214.6	211.5	209.0	207.0	206.4	212.3	211.0	212.9	**8.2**	**16.9**
10,0°	212.8	212.3	211.5	209.7	207.2	204.3	201.1	201.2	202.8	204.7	205.0	**10.9**	**27.9**
12,5°	217.1	216.0	210.6	208.5	204.9	207.1	208.1	204.9	204.6	202.9	203.9	**13.9**	**41.8**
15,0°	211.1	211.6	209.7	208.3	208.4	199.1	197.1	199.6	201.2	197.7	197.5	**16.9**	**58.7**
17,5°	211.3	207.4	206.9	203.8	201.8	202.0	195.0	187.2	191.9	191.4	187.7	**19.7**	**78.4**
20,0°	213.6	205.7	202.9	195.4	190.5	187.5	184.4	179.4	172.2	171.5	176.2	**22.5**	**100.9**
22,5°	212.9	210.7	194.4	186.3	177.3	171.4	168.7	164.9	160.5	160.6	159.6	**25.0**	**125.9**
25,0°	207.0	196.3	186.3	173.2	173.2	166.6	162.4	151.7	148.3	140.9	134.3	**27.8**	**153.7**
27,5°	205.7	183.9	171.4	164.0	160.4	151.4	145.5	135.8	126.3	118.7	117.1	**30.1**	**183.8**
30,0°	186.6	174.1	167.0	162.4	148.6	139.7	122.7	116.4	109.9	107.3	105.9	**32.6**	**216.3**
32,5°	175.3	165.5	162.0	143.4	132.8	123.0	112.7	104.0	100.1	96.4	92.3	**35.0**	**251.3**
35,0°	168.9	162.9	151.7	132.5	123.6	110.4	102.5	95.4	88.8	88.3	86.2	**37.5**	**288.8**
37,5°	154.1	150.9	143.5	124.9	111.8	100.4	94.1	85.8	82.5	77.7	79.4	**40.1**	**328.9**
40,0°	146.7	143.1	129.9	114.4	102.6	93.9	81.3	76.5	72.4	72.8	70.8	**42.4**	**371.3**
42,5°	142.1	129.9	121.4	103.1	90.1	80.9	72.5	69.7	70.3	66.8	63.1	**44.2**	**415.5**
45,0°	124.3	119.9	105.6	93.4	78.6	73.7	68.4	68.6	64.0	63.1	64.5	**46.2**	**461.7**
47,5°	112.2	105.5	95.1	80.2	69.5	67.1	63.7	61.0	61.9	62.9	58.3	**47.7**	**509.4**
50,0°	97.1	86.2	81.0	69.9	65.2	62.2	59.9	57.5	58.2	56.9	55.7	**48.2**	**557.6**
52,5°	81.4	76.9	71.9	64.5	61.2	57.0	55.7	54.0	52.9	51.0	53.4	**48.5**	**606.2**
55,0°	72.4	66.4	64.2	58.5	55.6	52.3	52.1	49.6	48.4	46.8	46.3	**47.9**	**654.0**
57,5°	63.8	60.2	56.0	51.2	50.2	51.5	48.3	47.3	44.5	43.7	41.9	**46.4**	**700.4**
60,0°	52.9	50.5	50.6	46.0	48.1	46.5	47.5	42.4	40.8	41.6	38.9	**44.7**	**745.2**
62,5°	49.0	44.0	43.6	43.5	43.0	44.9	42.5	41.4	36.9	37.8	35.1	**43.7**	**788.8**
65,0°	46.0	41.2	39.4	40.3	38.3	37.3	38.4	37.2	34.9	32.2	31.0	**43.4**	**832.2**
67,5°	36.6	34.3	35.2	34.3	34.4	34.1	34.2	31.5	29.4	25.2	25.2	**42.6**	**874.8**
70,0°	32.1	30.4	31.6	29.6	27.9	26.0	25.2	21.7	19.5	17.0	15.7	**39.8**	**914.6**
72,5°	26.7	27.4	25.8	25.7	21.0	20.1	16.5	13.8	12.3	12.4	11.0	**35.2**	**949.9**
75,0°	21.8	21.8	21.8	20.0	15.4	14.0	12.0	9.0	7.9	7.7	7.0	**27.3**	**977.2**
77,5°	15.9	14.8	13.6	12.0	9.9	8.9	7.1	5.2	3.1	2.1	2.4	**15.0**	**992.2**
80,0°	7.8	7.4	6.6	6.1	5.8	5.3	3.8	2.4	1.3	0.7	1.0	**5.8**	**998.0**
82,5°	3.2	2.6	2.4	3.5	2.9	2.3	1.6	0.9	0.4	0.3	0.2	**1.7**	**999.6**
85,0°	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.1	**0.3**	**999.9**
87,5°	0.1	0.1	0.1	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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Streetlight 31 midi toolless	**EAN: 4069025099303**	**59076_1911**

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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	13170	86.6	90.0	88.3
95	239	252	12503	81.4	84.5	83.0
90	225	250	11869	76.5	79.5	78.0
85	210	247	11176	71.3	74.1	72.7
80	196	245	10517	66.5	69.1	67.8
75	183	242	9894	62.1	64.5	63.3
70	169	239	9215	57.3	59.5	58.4
65	156	236	8571	52.9	54.9	53.9
60	143	233	7920	48.4	50.4	49.4
55	130	229	7255	44.0	45.7	44.8
50	117	226	6582	39.8	41.2	40.5
45	104	221	5900	35.5	36.8	36.2
40	92	217	5258	31.5	32.7	32.1
35	80	212	4611	27.6	28.6	28.1
30	68	206	3956	23.8	24.6	24.2
25	56	199	3288	20.0	20.7	20.4
20	44	190	2615	16.2	16.8	16.5
16	34	180	2048	13.1	13.5	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	13460	87.7	91.2	89.4
95	239	252	12768	82.5	85.6	84.0
90	225	250	12109	77.5	80.5	79.0
85	211	247	11442	72.6	75.4	74.0
80	197	245	10763	67.8	70.4	69.1
75	183	242	10072	62.9	65.3	64.1
70	170	239	9423	58.4	60.7	59.6
65	157	236	8765	54.0	56.0	55.0
60	144	233	8098	49.5	51.4	50.4
55	131	230	7418	45.0	46.7	45.8
50	118	226	6732	40.6	42.2	41.4
45	105	222	6036	36.3	37.6	37.0
40	93	217	5384	32.3	33.5	32.9
35	81	212	4727	28.4	29.4	28.9
30	69	206	4061	24.5	25.4	25.0
25	57	199	3384	20.6	21.3	21.0
20	45	191	2702	16.9	17.4	17.2
15	34	180	2070	13.3	13.7	13.5

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 5XH7D3AB08LA	LP-Nummer
Streetlight 31 midi toolless	**EAN: 4069025099303**	**59076_1911**

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Dimmstufen-Tabelle

Umgebungstemperatur: 15°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13330	87.1	90.6	88.8
95	239	252	12649	81.9	85.0	83.4
90	225	250	12002	77.0	80.0	78.5
85	211	247	11345	72.1	74.9	73.5
80	197	245	10675	67.3	69.9	68.6
75	183	242	9993	62.5	64.9	63.7
70	170	239	9353	58.0	60.3	59.2
65	156	236	8652	53.3	55.3	54.3
60	143	233	7991	48.8	50.7	49.8
55	130	229	7318	44.4	46.0	45.2
50	118	226	6690	40.3	41.8	41.0
45	105	222	6001	36.0	37.3	36.6
40	93	217	5354	32.1	33.2	32.7
35	80	212	4646	27.8	28.8	28.3
30	68	206	3984	24.0	24.8	24.4
25	56	199	3311	20.2	20.9	20.5
20	45	191	2689	16.7	17.2	17.0
15	34	180	2061	13.2	13.6	13.4

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 5XH7D3AB08LA	LP-Nummer
Streetlight 31 midi toolless	**EAN: 4069025099303**	**59076_1911**

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Lichtstrom-Tabelle

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	13170.0	86.6
5.0	13460.0	87.7
15.0	13330.0	87.1