

Photometric test report

Family
Streetlight 31 midi toolless

Order number: 5XH7C41B08LA
EAN: 4069025098450

LP number
59081_1813



Version post-top or side-entry mounting
Optic direct, asymmetric wide distribution
 S080002
Cover toughened safety glass
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO
Rated values Net luminous flux = 13610 lm
 Power consumption = 86.6 W
 Luminous efficacy = 157.2 lm/W

serial
documentation
10.04.2024

siteco

Luminous intensity in cd/klm

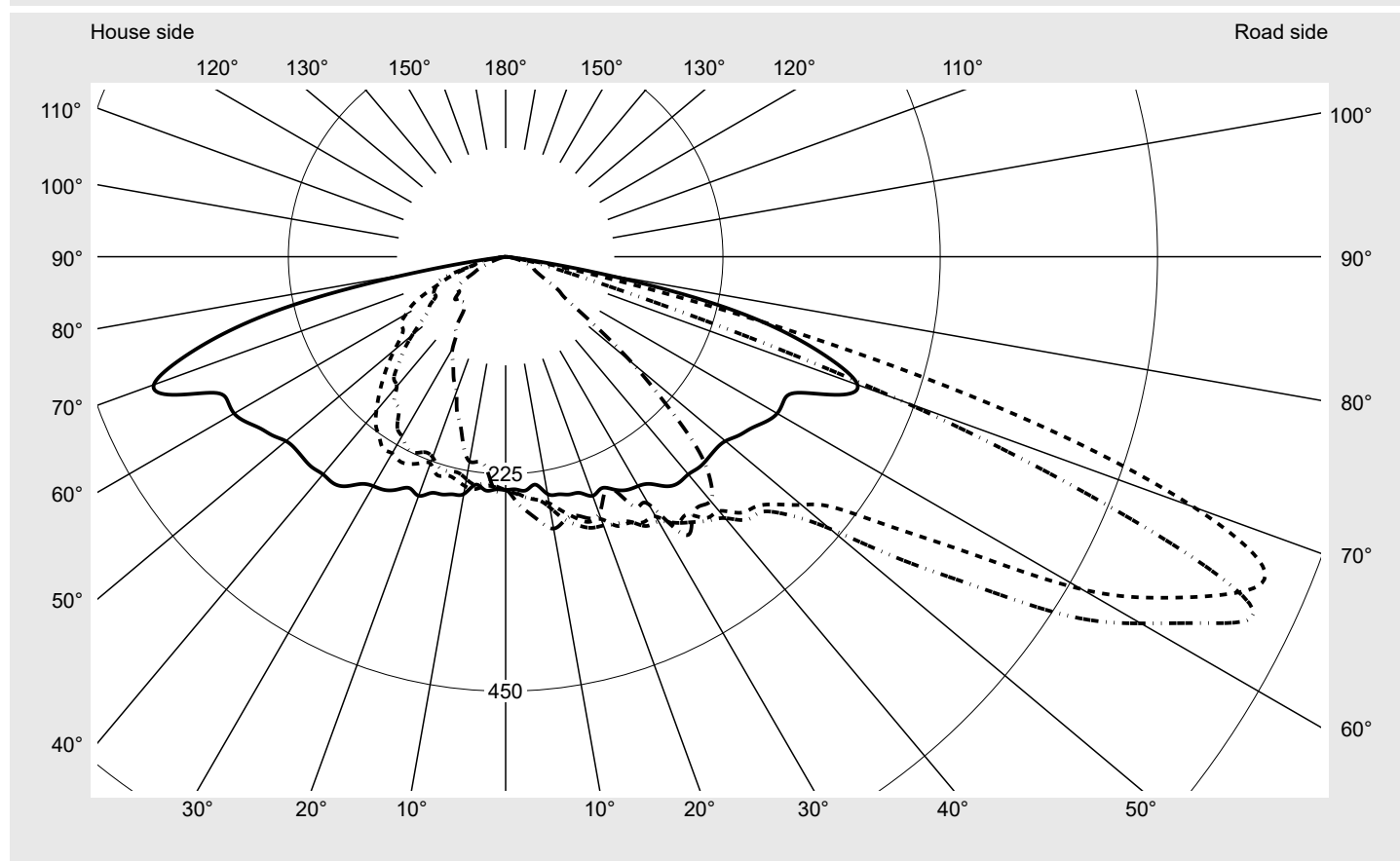
C180-0

C200-20

C205-25

C270-90

Imax: 851 cd/klm



Luminaire output ratios

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

Luminous intensity class acc. to EN13201-2

Class:	G3
Imax 70°	826.1
Imax 80°	99.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm

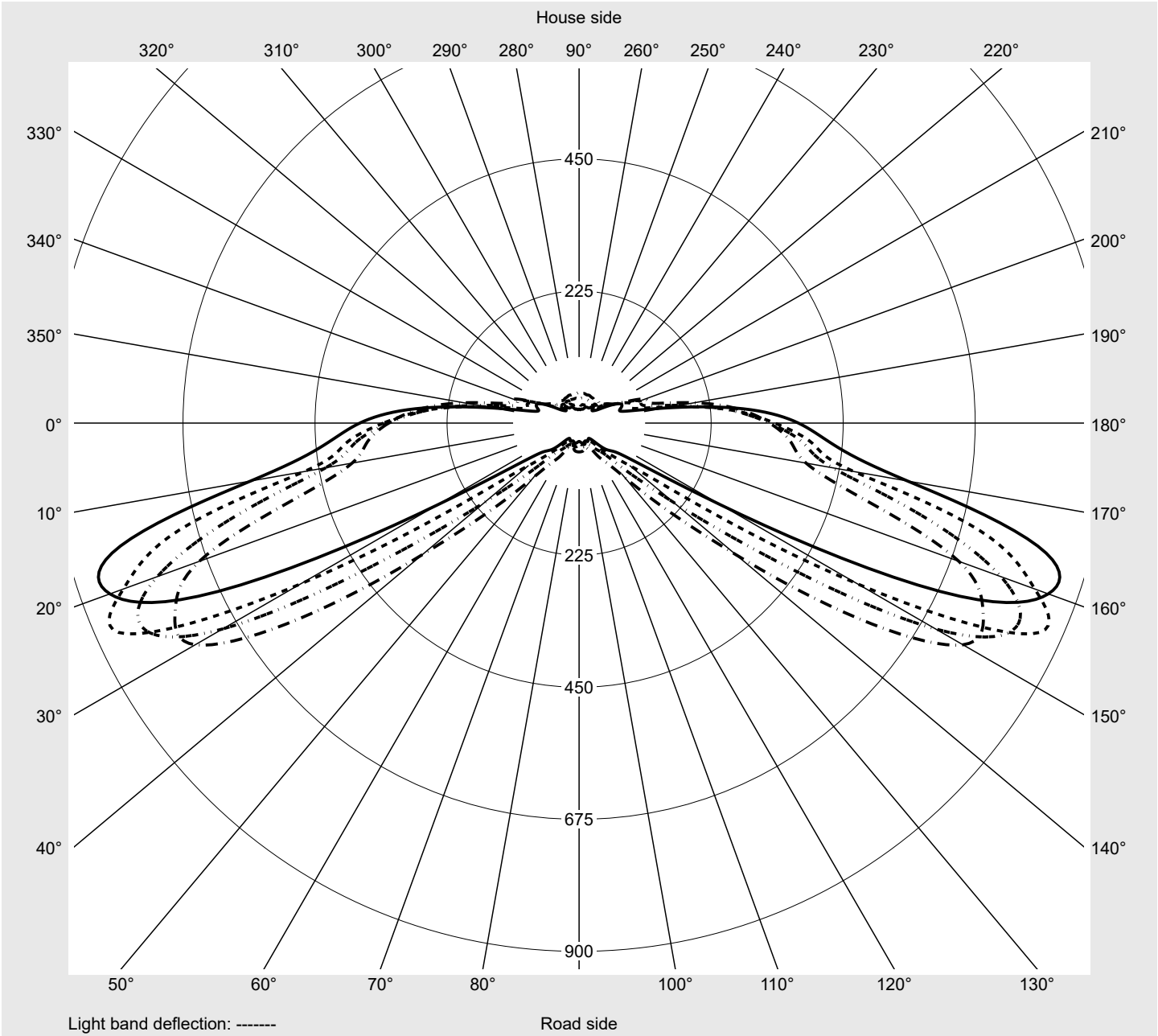
KMK 67.5°

KMK 65°

KMK 62.5°

KMK 60°

siteco



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Family Streetlight 31 midi toolless	Order number: 5XH7C41B08LA EAN: 4069025098450	LP number 59081_1813
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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C- planes	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	Luminous intensity in cd/klm												
0,0°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	241.2	242.0	242.3	244.6	244.8	245.6	247.5	249.2	247.9	248.6	249.4	249.4	252.1
5,0°	242.8	244.4	246.4	248.5	250.4	250.4	252.4	251.7	252.9	252.6	256.1	257.1	257.8
7,5°	238.1	244.7	246.4	249.3	254.1	253.8	256.3	259.1	262.2	263.1	264.0	270.2	274.3
10,0°	249.5	250.2	252.0	252.1	259.2	263.7	267.3	266.8	269.8	277.2	281.7	280.5	280.0
12,5°	252.1	255.9	263.4	267.0	269.7	278.2	283.8	288.0	292.2	295.4	292.5	284.3	282.5
15,0°	254.9	259.7	266.2	274.9	280.0	287.7	293.3	298.3	295.3	290.9	287.2	283.7	284.2
17,5°	256.6	260.1	271.3	284.8	287.9	294.5	301.9	294.7	290.2	290.7	291.7	283.4	285.5
20,0°	263.5	268.8	274.7	282.1	289.2	296.3	303.4	296.5	296.4	293.4	288.7	286.4	289.0
22,5°	259.6	274.8	287.3	297.4	301.8	299.5	298.4	305.1	306.8	304.8	295.9	292.1	289.5
25,0°	266.1	276.1	285.1	300.8	304.0	302.6	304.5	311.0	310.2	300.7	297.4	287.1	288.5
27,5°	272.3	279.3	296.0	304.9	309.9	314.4	317.9	310.6	307.7	310.4	295.7	288.2	284.2
30,0°	274.3	289.2	300.3	316.6	310.7	316.6	319.9	318.9	312.8	302.3	293.0	291.8	303.0
32,5°	279.1	301.8	308.2	311.8	328.0	326.7	325.8	322.5	315.6	310.9	310.7	313.2	326.1
35,0°	290.3	306.6	313.9	321.4	326.3	335.7	340.7	328.4	326.0	321.2	325.3	345.8	350.0
37,5°	294.9	312.8	318.0	328.7	341.1	344.6	341.9	346.7	346.5	347.6	362.9	374.3	375.4
40,0°	294.3	313.3	322.6	331.9	343.9	353.4	365.0	349.2	364.3	390.5	399.4	410.7	406.8
42,5°	296.2	309.6	325.7	338.2	359.7	369.6	367.0	368.1	396.6	441.2	445.2	430.6	422.9
45,0°	295.8	310.9	331.9	350.3	366.0	373.9	386.4	416.1	448.0	481.0	472.9	440.8	413.9
47,5°	295.0	309.3	335.6	359.3	379.7	395.4	417.5	470.9	503.3	514.4	478.4	422.0	378.4
50,0°	297.1	314.5	341.4	367.3	399.9	438.3	493.0	538.5	552.9	521.1	455.9	389.4	328.3
52,5°	304.1	328.9	343.7	368.4	425.7	514.1	577.6	608.3	578.7	500.9	416.3	327.5	253.0
55,0°	310.1	333.9	356.5	394.4	487.6	595.7	651.0	646.3	561.3	455.6	325.0	237.0	181.1
57,5°	318.6	348.3	372.4	430.0	573.5	693.1	711.4	657.9	500.3	322.7	213.2	147.1	101.6
60,0°	324.7	361.8	392.8	503.4	688.8	759.6	755.3	579.5	348.8	203.5	120.8	83.4	65.9
62,5°	324.4	382.8	438.5	601.3	765.0	821.8	701.7	408.6	209.8	117.2	71.5	56.9	47.8
65,0°	333.4	399.5	475.5	706.3	826.4	849.8	548.2	221.0	113.1	76.8	55.7	41.0	36.7
67,5°	373.8	437.3	568.4	809.1	850.8	678.6	279.2	107.7	74.5	62.1	43.2	32.6	31.2
70,0°	387.7	464.2	653.7	826.1	758.4	435.7	109.8	75.1	59.5	49.6	33.2	30.6	30.4
72,5°	352.6	441.9	676.5	725.8	577.5	196.6	70.4	55.5	45.7	39.8	29.7	22.8	23.7
75,0°	295.8	412.3	568.9	514.5	344.7	80.9	53.8	39.8	29.9	31.3	23.0	17.7	16.7
77,5°	213.1	276.5	324.1	259.9	142.0	43.1	29.2	20.9	19.0	22.5	18.6	15.0	14.8
80,0°	96.9	99.6	98.7	79.6	43.8	20.2	12.7	11.1	13.4	14.1	12.0	9.7	10.4
82,5°	18.6	21.9	19.9	11.4	8.2	6.5	5.2	5.0	6.6	7.4	7.2	5.6	6.1
85,0°	1.2	1.2	1.3	1.4	1.4	1.6	1.6	1.7	2.2	2.8	2.5	2.3	2.1
87,5°	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4
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 31 midi toolless				EAN: 4069025098450								59081_1813			
Table of values for luminous intensities										Maximum luminous intensity				siteco	
C- planes	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	Luminous intensity in cd/klm														
0,0°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6		
2,5°	252.7	252.3	253.5	253.9	252.0	253.8	240.2	239.2	240.4	239.0	237.8	236.9	238.2		
5,0°	261.6	262.9	262.6	262.5	264.1	265.6	242.6	240.6	238.7	238.3	235.4	234.3	235.6		
7,5°	275.6	278.5	278.2	277.4	277.8	277.0	238.4	241.3	240.2	242.8	238.2	235.5	230.7		
10,0°	284.8	286.5	285.3	284.2	283.5	286.0	246.7	248.1	242.7	241.4	234.0	230.9	226.1		
12,5°	282.9	285.3	280.5	275.7	279.2	280.2	254.8	247.0	239.2	236.8	229.0	222.6	221.7		
15,0°	281.8	277.5	277.9	279.4	277.7	277.4	244.7	239.6	238.4	234.6	230.0	219.2	214.8		
17,5°	283.9	277.3	277.7	278.9	281.6	284.0	248.6	244.3	240.8	236.9	228.6	219.6	210.1		
20,0°	284.6	279.3	279.5	278.5	278.6	283.3	250.4	244.8	243.7	227.9	221.0	216.4	210.3		
22,5°	284.0	276.8	272.6	269.1	269.6	266.4	255.9	245.3	244.2	231.5	219.1	210.1	200.8		
25,0°	275.9	270.8	271.0	266.2	274.3	266.8	255.1	246.9	247.0	236.8	224.1	207.1	197.3		
27,5°	277.2	288.3	288.6	296.6	291.7	292.3	261.4	252.5	247.8	238.4	222.4	196.8	187.3		
30,0°	300.5	303.6	307.8	308.9	315.5	295.9	263.4	249.0	247.9	235.1	214.7	195.0	180.4		
32,5°	328.9	326.4	327.8	332.8	327.9	340.2	269.9	256.6	249.9	235.9	208.8	190.6	172.1		
35,0°	351.6	348.3	339.6	342.2	331.1	336.2	268.3	256.9	245.4	228.0	192.6	183.8	161.7		
37,5°	368.3	358.0	349.0	341.4	341.3	326.8	275.2	256.7	243.1	220.7	189.6	173.4	144.9		
40,0°	386.9	376.4	360.5	348.9	343.2	330.2	273.0	257.9	233.4	208.2	175.4	159.5	133.5		
42,5°	394.5	377.0	352.8	342.8	324.4	313.6	277.4	255.6	229.9	194.1	171.3	138.8	126.0		
45,0°	373.7	341.2	311.2	287.0	275.0	280.3	269.7	257.0	221.7	179.7	156.7	124.5	119.8		
47,5°	332.0	291.1	265.7	241.8	221.6	223.1	275.8	249.1	205.7	165.3	142.6	109.4	111.0		
50,0°	269.1	232.1	206.2	184.4	172.7	170.4	273.8	244.3	195.3	150.3	126.0	94.7	101.4		
52,5°	205.2	169.9	145.0	128.5	115.1	114.5	281.2	239.7	184.0	136.5	110.2	80.3	85.7		
55,0°	131.1	105.8	91.9	86.1	80.5	76.4	280.3	234.7	170.5	129.9	97.7	73.5	69.5		
57,5°	73.3	66.6	63.9	61.6	62.7	65.4	278.3	218.0	152.3	128.6	92.8	69.3	60.8		
60,0°	48.6	47.2	42.4	46.5	48.7	49.2	272.7	199.4	130.1	119.1	83.8	65.0	57.4		
62,5°	40.8	39.5	39.7	41.1	40.0	38.8	256.8	173.8	115.3	109.6	83.4	61.6	54.5		
65,0°	37.1	33.9	37.3	36.9	36.5	33.5	258.2	159.9	96.1	94.2	81.3	61.6	46.5		
67,5°	34.6	32.3	33.4	34.6	33.0	31.3	280.0	147.2	77.5	76.0	77.6	59.7	40.8		
70,0°	32.0	32.4	30.4	31.7	27.2	29.4	247.6	108.4	58.8	62.7	73.3	58.4	38.2		
72,5°	25.2	26.4	26.2	25.4	24.8	23.6	184.7	71.9	48.7	47.4	57.3	50.8	34.9		
75,0°	18.7	17.1	18.0	18.7	18.1	18.1	95.7	27.7	25.4	34.3	36.0	34.8	26.3		
77,5°	14.2	12.3	12.0	12.2	12.3	12.3	55.6	9.6	10.9	31.1	30.8	23.9	17.8		
80,0°	9.5	8.8	8.8	7.5	7.9	7.8	31.0	5.8	8.6	24.2	22.9	16.0	10.4		
82,5°	5.3	5.0	4.6	4.2	4.0	3.9	6.6	3.0	4.1	6.3	5.3	3.5	3.5		
85,0°	2.4	2.0	1.4	1.5	1.4	1.5	1.1	1.0	1.1	0.9	0.9	0.9	0.8		
87,5°	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2		
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		

Photometric test report

Family Streetlight 31 midi toolless		Order number: 5XH7C41B08LA EAN: 4069025098450										LP number 59081_1813	
Table of values for luminous intensities										Maximum luminous intensity		sİteco	
C- planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm										Luminous flux in lm/klm		
0,0°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	0.4	0.4
2,5°	241.3	240.5	242.5	240.1	240.5	238.9	241.6	240.1	240.9	241.1	242.6	2.9	3.3
5,0°	232.5	230.0	225.5	221.8	226.5	227.3	225.3	224.8	224.3	223.2	221.9	5.8	9.1
7,5°	228.8	226.5	219.5	220.7	219.6	217.7	217.0	215.7	214.0	216.2	214.1	8.8	17.9
10,0°	221.8	216.9	211.2	208.7	206.8	206.5	210.1	210.0	211.5	208.9	215.3	11.8	29.6
12,5°	221.7	219.0	212.0	208.5	206.1	204.8	203.5	204.8	201.1	201.1	201.2	14.8	44.4
15,0°	211.3	207.1	204.4	200.9	196.2	194.7	186.5	183.8	185.7	182.0	180.8	17.4	61.9
17,5°	206.3	200.6	196.9	186.4	183.3	178.8	172.8	169.8	169.5	171.3	167.7	20.1	82.0
20,0°	201.6	192.2	182.0	171.8	168.4	169.4	161.9	159.0	152.8	148.9	148.7	22.6	104.6
22,5°	189.5	176.3	168.2	165.5	154.6	153.5	147.6	143.0	146.7	143.6	139.5	25.0	129.6
25,0°	184.5	169.4	158.8	149.7	145.1	148.3	144.2	138.2	133.4	130.4	128.2	27.4	157.0
27,5°	173.0	162.7	150.4	149.3	152.3	145.3	136.2	132.8	127.0	122.5	119.2	30.2	187.2
30,0°	162.4	143.6	144.2	152.2	146.6	139.1	131.5	121.9	116.8	109.9	110.0	32.9	220.1
32,5°	151.4	142.8	146.9	152.1	141.3	130.1	121.6	111.3	102.8	98.5	94.4	36.1	256.2
35,0°	140.7	148.0	157.5	143.3	130.4	119.8	107.6	101.9	94.1	89.2	89.6	39.0	295.2
37,5°	138.0	151.9	149.9	134.8	118.8	107.3	100.5	88.0	82.4	76.3	72.6	41.9	337.1
40,0°	134.4	154.1	135.3	122.6	107.1	94.1	82.6	75.7	70.2	69.0	67.6	44.8	381.9
42,5°	138.4	139.5	121.1	109.8	93.4	82.5	71.8	67.9	67.8	68.3	64.3	47.4	429.2
45,0°	135.6	129.0	109.2	95.4	84.3	74.3	65.8	66.7	65.5	64.6	65.4	48.8	478.1
47,5°	125.8	116.1	98.6	83.3	73.0	64.2	64.1	63.7	65.2	64.9	63.6	49.6	527.7
50,0°	107.6	99.0	88.5	78.2	64.9	64.1	63.1	62.8	63.9	65.5	68.4	50.0	577.6
52,5°	82.9	78.7	77.0	68.7	62.1	60.2	64.1	62.3	63.2	61.5	60.9	49.5	627.1
55,0°	64.7	64.0	67.3	59.9	58.1	58.2	61.6	60.8	61.2	59.8	60.3	48.5	675.6
57,5°	53.0	55.4	58.6	53.2	55.7	56.3	57.2	58.4	55.2	57.5	58.2	47.1	722.8
60,0°	49.5	48.0	49.5	47.1	48.3	48.9	50.3	49.9	51.1	50.6	52.4	45.5	768.2
62,5°	42.5	42.0	42.1	39.9	42.7	41.6	42.2	42.0	42.4	42.1	39.2	43.6	811.9
65,0°	40.5	35.1	38.1	36.5	35.7	35.7	33.2	31.9	31.9	30.6	32.6	41.7	853.6
67,5°	33.0	31.2	36.8	31.9	30.2	29.8	27.8	24.5	24.4	22.9	23.8	39.4	892.9
70,0°	29.7	26.8	31.6	27.6	24.7	23.0	20.2	19.4	17.5	17.6	16.9	35.6	928.5
72,5°	23.8	22.1	24.3	22.0	18.8	15.9	14.1	13.3	12.0	11.5	10.8	29.6	958.2
75,0°	17.8	15.2	17.8	16.9	13.4	11.6	9.2	7.4	6.2	5.9	5.9	21.6	979.7
77,5°	13.5	11.4	11.0	11.4	10.7	7.7	5.3	3.3	2.5	1.9	1.7	12.8	992.6
80,0°	7.9	5.9	6.5	6.2	5.3	4.4	3.9	1.5	1.0	0.8	0.8	5.5	998.1
82,5°	3.3	2.7	2.5	2.3	2.2	1.7	2.0	0.7	0.3	0.2	0.2	1.5	999.6
85,0°	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.3	999.9
87,5°	0.1	0.1	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

office	industry	traffic	retail	public	sports
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Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7C41B08LA EAN: 4069025098450	LP number 59081_1813
Dimming levels table		environmental temperature: 25°C
		sit eco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	13610	86.6	90.0	88.3
95	239	252	12919	81.4	84.5	83.0
90	225	250	12261	76.5	79.5	78.0
85	211	247	11591	71.7	74.4	73.1
80	197	245	10910	66.9	69.5	68.2
75	183	242	10215	62.1	64.5	63.3
70	169	239	9511	57.3	59.5	58.4
65	156	236	8846	52.9	54.9	53.9
60	143	233	8172	48.4	50.4	49.4
55	130	229	7485	44.0	45.7	44.8
50	117	226	6789	39.8	41.2	40.5
45	105	222	6139	35.8	37.1	36.4
40	92	217	5421	31.5	32.7	32.1
35	80	212	4753	27.6	28.6	28.1
30	68	206	4076	23.8	24.6	24.2
25	56	199	3388	20.0	20.7	20.4
20	44	190	2694	16.2	16.8	16.5
15	34	180	2109	13.1	13.5	13.3

Dimming levels table		environmental temperature: 5°C
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Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	13900	87.7	91.2	89.4
95	239	252	13183	82.5	85.6	84.0
90	225	250	12502	77.5	80.5	79.0
85	211	247	11811	72.6	75.5	74.0
80	197	245	11109	67.8	70.4	69.1
75	184	242	10446	63.3	65.7	64.5
70	170	239	9723	58.4	60.7	59.6
65	157	236	9043	54.0	56.0	55.0
60	144	233	8353	49.5	51.4	50.4
55	131	230	7651	45.0	46.7	45.8
50	118	226	6942	40.6	42.2	41.4
45	106	222	6280	36.6	38.0	37.3
40	93	217	5550	32.3	33.5	32.9
35	81	212	4872	28.4	29.4	28.9
30	69	206	4185	24.5	25.4	25.0
25	57	199	3487	20.6	21.3	21.0
20	45	191	2783	16.9	17.4	17.2
15	34	180	2133	13.3	13.7	13.5

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7C41B08LA EAN: 4069025098450	LP number 59081_1813
Dimming levels table environmental temperature: 15°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	13770	87.2	90.6	88.9
95	239	252	13065	81.9	85.0	83.4
90	225	250	12395	77.0	80.0	78.5
85	211	247	11713	72.1	74.9	73.5
80	197	245	11021	67.3	69.9	68.6
75	183	242	10315	62.5	64.9	63.7
70	170	239	9652	58.0	60.3	59.2
65	156	236	8928	53.3	55.3	54.3
60	143	233	8244	48.8	50.7	49.8
55	130	229	7548	44.4	46.0	45.2
50	118	226	6899	40.3	41.9	41.1
45	105	222	6187	36.0	37.3	36.6
40	93	217	5519	32.1	33.2	32.7
35	81	212	4845	28.2	29.2	28.7
30	68	206	4105	24.0	24.8	24.4
25	57	199	3469	20.5	21.2	20.8
20	45	191	2771	16.7	17.2	17.0
15	34	180	2123	13.2	13.6	13.4

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7C41B08LA EAN: 4069025098450	LP number 59081_1813
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	13610.0	86.6
5.0	13900.0	87.7
15.0	13770.0	87.2