

Photometric test report

Family
Streetlight 31 midi toolless



Order number: 5XH714AA08LA
EAN: 4069025513991

Version

Optic

Cover

Lamps

Controlgear

Rated values

post-top or side-entry mounting

asymmetric distribution (PL32)

toughened safety glass

LED 4000 K | CRI ≥ 70

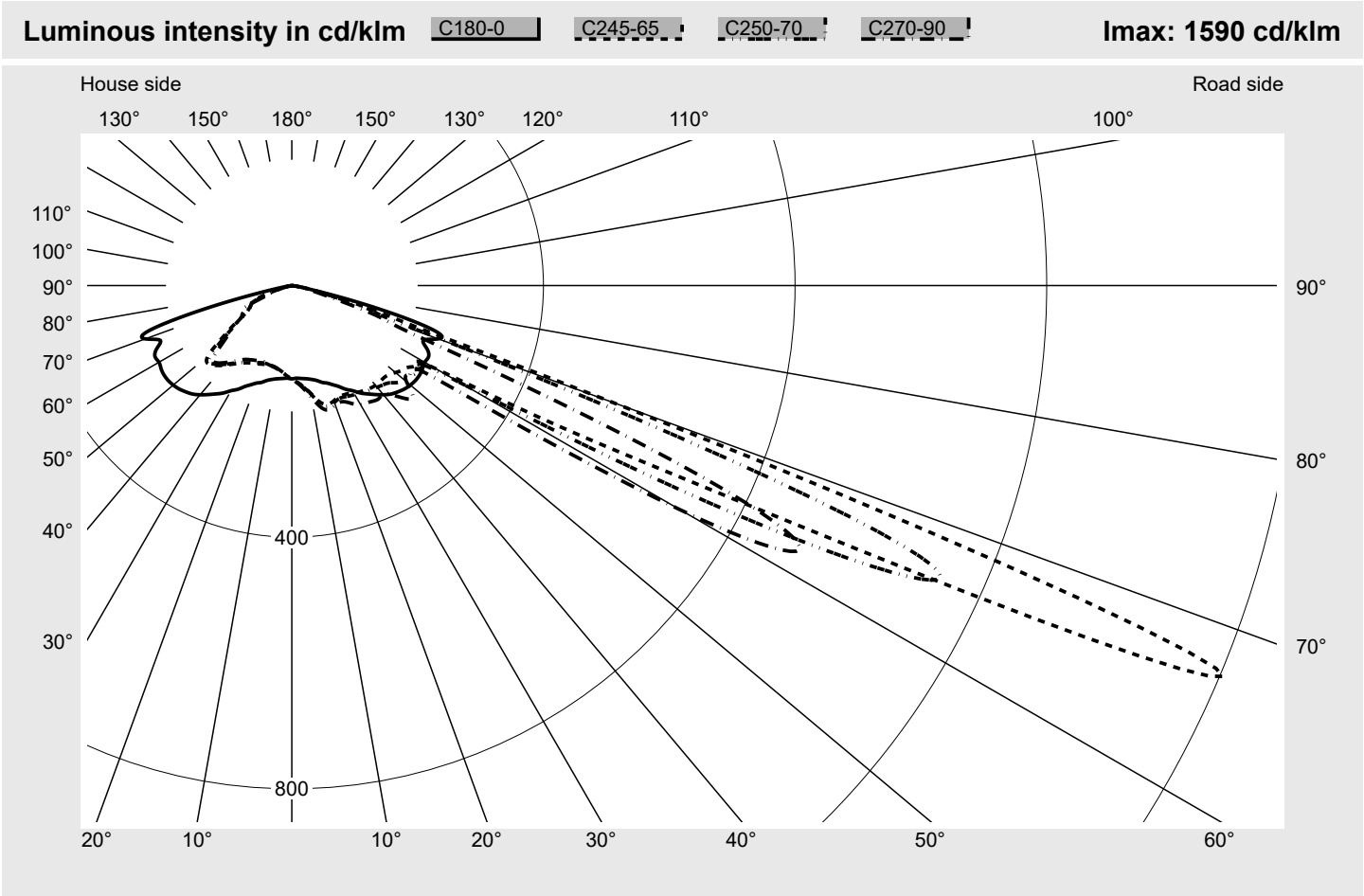
ECG SITECO

Net luminous flux = 13800 lm
Power consumption = 86.6 W
Luminous efficacy = 159.4 lm/W

LP number
59800_3864

serial
documentation
26.08.2025

siteco



Luminaire output ratios		Luminous intensity class acc. to EN13201-2	
Eta	100.0%	Class:	G3
Eta 0° - 90°	100.0%	Imax 70°	732.5
Eta 90° - 180°	0.0%	Imax 80°	42.5
Measurement conditions		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
DIN EN 13032 and DIN 5032			

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Envelope curve in cd/klm

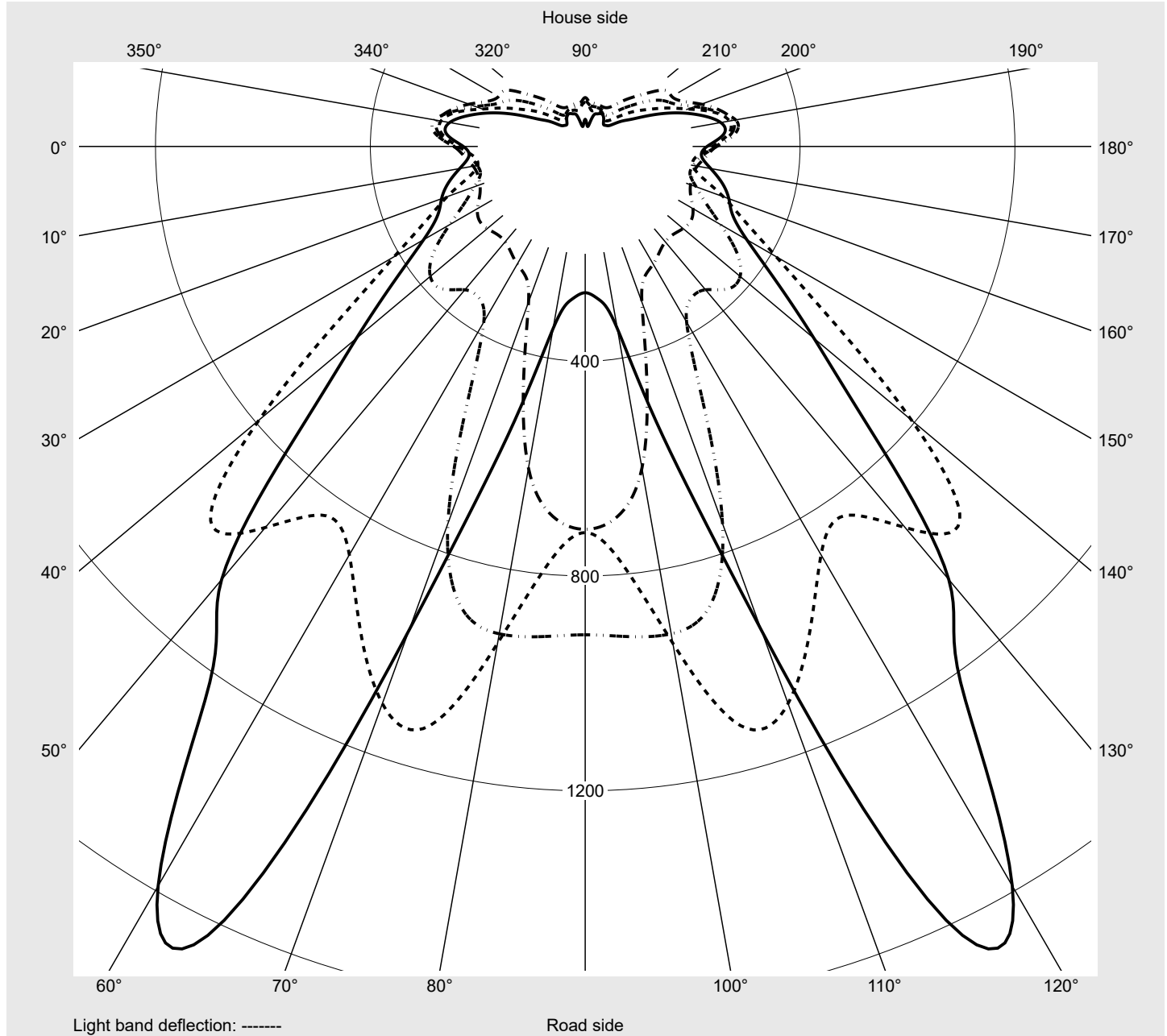
KMK 67.5°

KMK 65°

KMK 62.5°

KMK 60°

siteco



Photometric test report

Family Streetlight 31 midi toolless		Order number: 5XH714AA08LA EAN: 4069025513991										LP number 59800_3864	
Table of values for luminous intensities										Maximum luminous intensity		siteco	
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	147.5	147.7	148.2	148.8	149.3	149.7	150.1	150.5	151.0	151.2	151.6	152.0	152.3
5,0°	148.1	148.8	149.6	150.5	151.5	152.4	153.2	153.9	154.7	155.3	155.9	156.5	157.1
7,5°	149.3	150.3	151.6	152.8	154.2	155.5	156.6	157.8	159.2	160.4	161.7	162.9	164.0
10,0°	150.8	152.3	153.6	155.1	156.9	158.6	160.3	162.3	164.5	166.7	168.7	170.7	172.7
12,5°	153.2	154.9	156.6	158.7	161.0	163.3	165.3	167.1	169.4	172.2	175.8	179.6	183.1
15,0°	156.6	158.5	160.8	163.5	166.3	169.0	171.4	173.6	175.7	177.6	180.4	185.5	191.1
17,5°	161.5	163.7	165.7	168.4	171.4	174.3	177.0	179.5	181.8	183.8	185.5	187.5	192.4
20,0°	165.1	168.5	171.0	174.1	176.3	178.8	181.5	183.8	186.0	187.6	188.7	189.3	190.8
22,5°	170.7	173.7	176.7	179.6	182.3	183.8	185.7	187.4	188.8	189.6	190.1	190.2	190.2
25,0°	177.2	180.3	182.5	185.8	188.3	189.3	190.1	191.0	191.1	191.4	191.6	192.0	191.8
27,5°	185.9	187.9	189.7	191.7	194.6	195.2	194.7	194.3	194.0	193.7	193.9	193.9	193.7
30,0°	193.0	195.9	197.3	198.4	199.8	200.4	199.0	197.8	197.0	196.3	196.3	195.7	195.6
32,5°	202.5	203.8	204.8	205.0	204.9	205.6	203.7	201.6	199.4	198.4	198.6	198.6	199.0
35,0°	210.3	211.7	211.9	210.9	210.1	210.0	208.0	204.8	201.9	200.3	200.6	200.9	201.8
37,5°	218.4	218.5	218.4	216.2	214.8	213.6	210.9	207.5	204.3	202.5	202.1	202.7	204.0
40,0°	226.6	225.1	223.4	220.3	218.2	215.7	213.8	210.8	207.0	204.7	204.0	204.1	205.2
42,5°	233.9	229.3	226.2	222.7	220.0	216.1	214.2	213.0	209.1	206.7	205.1	204.2	205.2
45,0°	238.8	233.5	229.0	224.6	221.7	216.2	212.8	211.8	211.0	208.6	204.5	203.3	204.4
47,5°	243.2	236.1	230.3	225.1	221.5	216.3	212.1	210.9	212.5	209.4	204.2	202.8	204.8
50,0°	246.0	237.2	229.9	225.1	220.2	215.7	212.4	211.6	213.0	212.0	205.2	203.7	207.3
52,5°	247.8	236.6	228.3	223.7	218.6	215.2	213.5	211.8	210.7	212.9	207.8	206.9	211.4
55,0°	247.9	234.2	225.4	219.4	216.5	215.7	216.1	213.7	212.2	214.1	211.4	211.0	218.0
57,5°	246.4	228.9	221.1	214.7	212.3	214.4	219.6	220.1	220.0	219.1	218.0	220.4	228.4
60,0°	243.9	225.0	211.8	206.9	208.6	216.7	231.6	240.5	237.9	231.7	231.9	240.8	253.2
62,5°	245.1	216.4	204.0	202.1	219.7	247.1	291.2	344.6	376.5	375.3	348.5	344.6	377.6
65,0°	236.7	208.7	203.4	226.2	273.6	326.7	410.6	554.3	792.9	986.2	926.4	839.9	878.2
67,5°	226.9	217.7	237.4	264.1	284.6	303.0	347.4	430.5	556.2	758.6	1053.1	1218.6	1590.2
70,0°	247.8	237.5	209.5	169.9	135.0	120.2	130.6	174.7	263.5	365.7	478.5	659.1	732.5
72,5°	237.4	161.0	89.1	48.3	32.5	27.6	30.4	46.4	88.7	160.3	213.7	229.6	201.1
75,0°	143.2	55.4	21.7	14.2	13.6	13.8	14.9	18.8	28.2	61.4	101.5	106.9	95.1
77,5°	47.8	12.0	8.4	8.7	8.8	9.4	9.5	11.9	15.3	23.0	44.7	49.6	46.2
80,0°	13.7	5.3	5.2	5.5	5.6	5.7	6.0	6.7	8.9	11.1	18.7	22.1	20.1
82,5°	3.8	2.8	2.8	2.9	3.1	3.2	3.2	3.4	4.4	5.6	6.8	8.0	8.3
85,0°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.8	1.8	2.0	2.1
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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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Family Streetlight 31 midi toolless		Order number: 5XH714AA08LA EAN: 4069025513991										LP number 59800_3864	
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	152.7	153.0	153.2	153.2	153.4	153.5	147.3	146.7	146.6	146.4	146.0	145.8	145.7
5,0°	157.7	158.3	158.9	159.4	159.7	159.8	147.5	146.6	145.9	145.4	144.6	143.9	143.4
7,5°	164.8	165.6	166.6	167.6	168.5	168.9	148.1	146.7	145.7	144.6	143.5	142.5	141.5
10,0°	174.1	175.2	176.1	177.8	179.7	180.5	149.0	147.3	145.9	144.4	143.0	141.7	140.4
12,5°	186.1	188.0	188.5	190.1	192.9	194.3	150.8	148.8	147.0	145.2	143.5	141.9	140.2
15,0°	194.9	198.0	198.7	199.3	202.4	204.2	154.3	152.0	150.0	147.7	145.6	143.7	141.8
17,5°	197.2	200.0	201.4	200.6	203.1	205.6	158.6	155.9	153.1	150.5	148.2	146.3	144.5
20,0°	195.1	197.8	199.4	199.1	199.8	202.0	161.7	159.2	156.4	153.9	151.3	148.9	146.6
22,5°	192.1	194.9	196.8	197.2	198.2	200.5	166.8	164.9	162.7	159.7	156.7	153.4	150.1
25,0°	192.1	195.5	198.7	199.8	200.6	204.2	174.1	171.6	170.1	166.6	162.7	158.2	153.9
27,5°	193.7	197.8	203.2	205.9	206.1	212.2	182.4	180.0	177.2	174.5	169.6	164.3	158.6
30,0°	196.7	200.2	207.1	210.2	209.8	218.5	190.8	188.8	185.8	181.5	177.2	170.1	163.2
32,5°	200.4	202.9	207.4	209.5	209.7	221.2	199.9	198.2	195.3	190.2	183.6	177.8	169.1
35,0°	202.9	205.8	207.0	209.1	210.0	224.4	209.9	208.8	206.0	200.2	191.7	183.5	177.5
37,5°	205.5	207.9	208.8	209.9	211.5	226.8	219.1	219.1	216.5	210.2	201.5	192.0	184.1
40,0°	207.0	211.0	212.6	213.1	218.3	225.8	228.5	229.5	227.3	220.6	211.3	201.3	193.2
42,5°	207.4	214.2	217.3	222.1	232.8	235.9	237.6	239.8	238.5	230.8	220.7	210.2	201.3
45,0°	207.1	218.9	229.5	232.8	249.5	253.7	244.8	249.2	248.9	240.5	228.6	216.9	207.7
47,5°	209.7	228.2	240.7	241.1	256.8	261.3	251.4	257.6	256.9	247.5	234.2	221.7	212.8
50,0°	215.2	234.1	242.8	237.7	238.9	238.1	257.2	265.4	263.4	251.7	236.4	223.8	214.8
52,5°	220.9	235.8	236.6	229.8	233.4	232.8	261.7	271.8	267.6	251.8	235.1	223.1	213.7
55,0°	226.4	234.2	231.6	229.7	237.8	239.0	266.0	276.0	268.4	248.8	227.1	214.3	207.5
57,5°	233.5	241.3	246.5	256.4	286.3	304.6	270.1	278.4	265.8	240.1	211.7	198.4	196.3
60,0°	265.0	308.4	442.0	608.3	691.7	713.1	273.1	279.1	259.9	230.0	199.5	186.2	181.8
62,5°	512.4	747.5	889.7	921.7	916.4	909.5	280.5	284.4	253.3	217.1	186.3	169.9	148.4
65,0°	991.5	1104.2	1116.7	939.4	778.8	719.2	267.7	272.8	247.1	203.7	169.4	138.4	114.7
67,5°	1590.2	958.6	558.5	344.6	285.8	272.4	258.6	256.3	223.6	182.9	139.3	102.3	81.7
70,0°	537.1	294.1	225.4	185.0	161.2	154.1	255.2	236.8	199.7	151.2	100.0	71.6	52.6
72,5°	165.8	135.8	113.3	93.1	80.6	77.3	268.9	225.8	168.3	106.4	67.9	42.9	32.0
75,0°	81.3	69.7	58.1	47.9	41.3	39.0	209.6	194.3	131.3	68.9	39.4	24.4	21.9
77,5°	41.1	35.1	29.8	23.1	20.4	19.4	113.2	119.8	81.1	38.2	18.0	12.0	10.3
80,0°	19.4	18.5	14.4	12.2	10.1	9.5	35.9	42.5	34.6	17.3	8.0	5.5	5.5
82,5°	9.4	8.3	6.4	5.4	4.6	4.3	5.9	6.3	6.7	4.6	3.1	2.9	2.8
85,0°	2.8	2.5	2.1	1.7	1.6	1.6	1.2	1.2	1.3	1.3	1.2	1.2	1.3
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
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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Family Streetlight 31 midi toolless		Order number: 5XH714AA08LA EAN: 4069025513991										LP number 59800_3864	
Table of values for luminous intensities										Maximum luminous intensity		siteco	
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	0.2	0.2
2,5°	145.4	145.3	145.0	144.9	144.8	144.7	144.6	144.6	144.7	144.9	144.9	1.8	2.0
5,0°	142.7	142.2	141.7	141.3	140.9	140.6	140.4	140.3	140.3	140.3	140.3	3.6	5.6
7,5°	140.6	139.6	138.8	138.1	137.6	137.0	136.8	136.6	136.6	136.5	136.5	5.4	10.9
10,0°	139.1	138.0	136.9	136.1	135.2	134.5	133.9	133.6	133.7	133.7	133.6	7.3	18.2
12,5°	138.7	137.3	136.1	134.9	133.7	132.7	131.9	131.5	131.4	131.8	131.8	9.3	27.5
15,0°	140.0	138.1	136.2	134.7	133.4	132.2	131.4	131.0	130.7	130.7	130.7	11.4	38.8
17,5°	142.5	140.2	138.4	136.2	134.2	132.2	130.6	129.3	128.7	128.6	128.8	13.4	52.3
20,0°	144.2	141.9	140.0	137.4	135.3	133.0	131.0	129.5	128.6	128.3	128.7	15.4	67.7
22,5°	147.1	144.0	141.1	138.8	137.2	134.9	132.7	130.9	129.7	129.2	129.8	17.5	85.2
25,0°	150.2	146.7	143.4	140.7	138.4	136.9	134.9	132.9	131.3	130.7	131.5	19.8	105.0
27,5°	153.7	149.7	146.2	143.2	140.7	139.1	137.1	135.3	133.7	132.7	133.4	22.2	127.1
30,0°	157.3	153.1	149.3	146.2	143.5	141.8	140.3	138.2	136.7	135.6	136.0	24.6	151.7
32,5°	162.1	157.6	154.1	150.9	147.7	146.0	144.9	142.3	140.4	139.2	139.3	27.1	178.9
35,0°	169.0	164.0	160.6	157.1	153.9	151.5	149.5	147.5	145.4	144.5	145.2	29.8	208.7
37,5°	178.8	171.9	168.3	164.4	160.7	157.8	155.9	154.3	152.1	150.8	152.0	32.6	241.2
40,0°	185.7	181.5	176.5	172.6	168.7	165.3	163.3	161.4	159.8	158.8	159.4	35.4	276.7
42,5°	193.6	188.5	185.1	180.2	176.1	172.4	170.4	169.0	167.7	167.1	167.0	38.3	315.0
45,0°	200.4	194.5	191.9	186.5	182.4	178.5	176.3	175.0	173.8	173.2	172.7	41.1	356.1
47,5°	205.3	199.5	194.5	190.9	185.5	182.2	179.7	176.1	172.4	170.3	168.9	43.6	399.7
50,0°	208.4	201.3	194.6	191.6	184.2	173.6	162.9	154.0	148.2	146.2	145.4	44.8	444.5
52,5°	206.4	199.4	191.9	178.7	162.3	145.0	134.4	128.6	126.0	125.2	126.9	45.3	489.8
55,0°	200.5	191.0	170.8	149.3	134.4	119.4	111.2	108.0	106.6	106.9	113.6	45.5	535.3
57,5°	187.9	163.3	140.7	121.7	106.4	96.3	91.1	91.9	92.2	90.7	95.9	46.2	581.5
60,0°	156.2	131.6	111.6	93.4	83.4	80.7	81.0	81.4	81.8	83.6	91.0	54.7	636.2
62,5°	122.4	100.3	81.4	71.0	71.2	74.7	75.5	76.2	75.9	78.9	84.8	71.9	708.1
65,0°	91.4	71.9	62.2	62.1	67.3	71.5	71.2	69.9	68.0	76.5	82.1	98.8	806.9
67,5°	61.6	55.3	53.3	60.0	66.6	67.6	64.6	59.9	41.5	39.8	50.4	92.9	899.8
70,0°	41.4	43.0	52.6	58.9	58.4	53.9	42.9	19.0	17.9	28.3	40.2	49.4	949.3
72,5°	31.6	38.8	44.5	44.5	38.5	31.6	16.1	14.2	13.4	20.8	26.1	24.8	974.0
75,0°	25.4	29.3	31.2	27.4	22.3	15.1	12.2	10.5	9.6	12.1	13.2	14.0	988.0
77,5°	11.8	16.6	15.7	12.8	11.4	9.8	8.8	7.0	5.7	5.6	6.5	7.1	995.1
80,0°	5.8	6.3	6.9	6.8	6.3	5.8	5.2	4.0	2.9	1.7	1.4	3.1	998.2
82,5°	3.0	3.3	3.5	3.5	3.8	3.3	2.9	2.2	1.7	1.3	1.1	1.2	999.4
85,0°	1.3	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1.1	1.0	1.0	0.4	999.8
87,5°	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.2	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: 5XH714AA08LA EAN: 4069025513991	LP number 59800_3864
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	13800	86.6	90.0	88.3
95	239	252	13099	81.4	84.5	83.0
90	225	250	12432	76.5	79.5	78.0
85	211	247	11753	71.7	74.4	73.1
80	197	245	11062	66.9	69.5	68.2
75	183	242	10357	62.1	64.5	63.3
70	169	239	9644	57.3	59.5	58.4
65	156	236	8970	52.9	54.9	53.9
60	143	233	8286	48.4	50.4	49.4
55	130	229	7589	44.0	45.7	44.8
50	117	226	6884	39.8	41.2	40.5
45	105	222	6225	35.8	37.1	36.4
40	92	217	5497	31.5	32.7	32.1
35	80	212	4819	27.6	28.6	28.1
30	68	206	4133	23.8	24.6	24.2
25	56	199	3435	20.0	20.7	20.4
20	44	190	2731	16.2	16.8	16.5
15	34	180	2138	13.1	13.5	13.3

Dimming levels table		environmental temperature: 5°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	14100	87.7	91.2	89.4
95	239	252	13373	82.5	85.6	84.0
90	225	250	12682	77.5	80.5	79.0
85	211	247	11981	72.6	75.5	74.0
80	197	245	11269	67.8	70.4	69.1
75	184	242	10596	63.3	65.7	64.5
70	170	239	9863	58.4	60.7	59.6
65	157	236	9173	54.0	56.0	55.0
60	144	233	8473	49.5	51.4	50.4
55	131	230	7761	45.0	46.7	45.8
50	118	226	7042	40.6	42.2	41.4
45	106	222	6370	36.6	38.0	37.3
40	93	217	5630	32.3	33.5	32.9
35	81	212	4942	28.4	29.4	28.9
30	69	206	4245	24.5	25.4	25.0
25	57	199	3537	20.6	21.3	21.0
20	45	191	2823	16.9	17.4	17.2
15	34	180	2163	13.3	13.7	13.5

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH714AA08LA EAN: 4069025513991	LP number 59800_3864
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	13960	87.2	90.6	88.9
95	239	252	13245	81.9	85.0	83.4
90	225	250	12566	77.0	80.0	78.5
85	211	247	11875	72.1	74.9	73.5
80	197	245	11173	67.3	69.9	68.6
75	183	242	10457	62.5	64.9	63.7
70	170	239	9786	58.0	60.3	59.2
65	156	236	9051	53.3	55.3	54.3
60	143	233	8358	48.8	50.7	49.8
55	130	229	7652	44.4	46.0	45.2
50	118	226	6994	40.3	41.9	41.1
45	105	222	6273	36.0	37.3	36.6
40	93	217	5595	32.1	33.2	32.7
35	81	212	4912	28.2	29.2	28.7
30	68	206	4162	24.0	24.8	24.4
25	57	199	3517	20.5	21.2	20.8
20	45	191	2809	16.7	17.2	17.0
15	34	180	2152	13.2	13.6	13.4

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH714AA08LA EAN: 4069025513991	LP number 59800_3864
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	13800.0	86.6
5.0	14100.0	87.7
15.0	13960.0	87.2