

Photometric test report

Family
DL 11 iQ

Order number: 5XA5565CF108000022
EAN: 4058352955765

LP number
59374_101

serial
documentation
01.02.2024



Version luminaire insert LED, Siteco® metallic grey (DB 702S), post-top- or mounting to wall arm
Optic symmetric, wide distribution (PL1.2s)
Cover cover transparent, PMMA
Lamps LED 2200 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 2850 lm
Power consumption = 23.9 W
Luminous efficacy = 119.2 lm/W

siteco

Luminous intensity in cd/klm

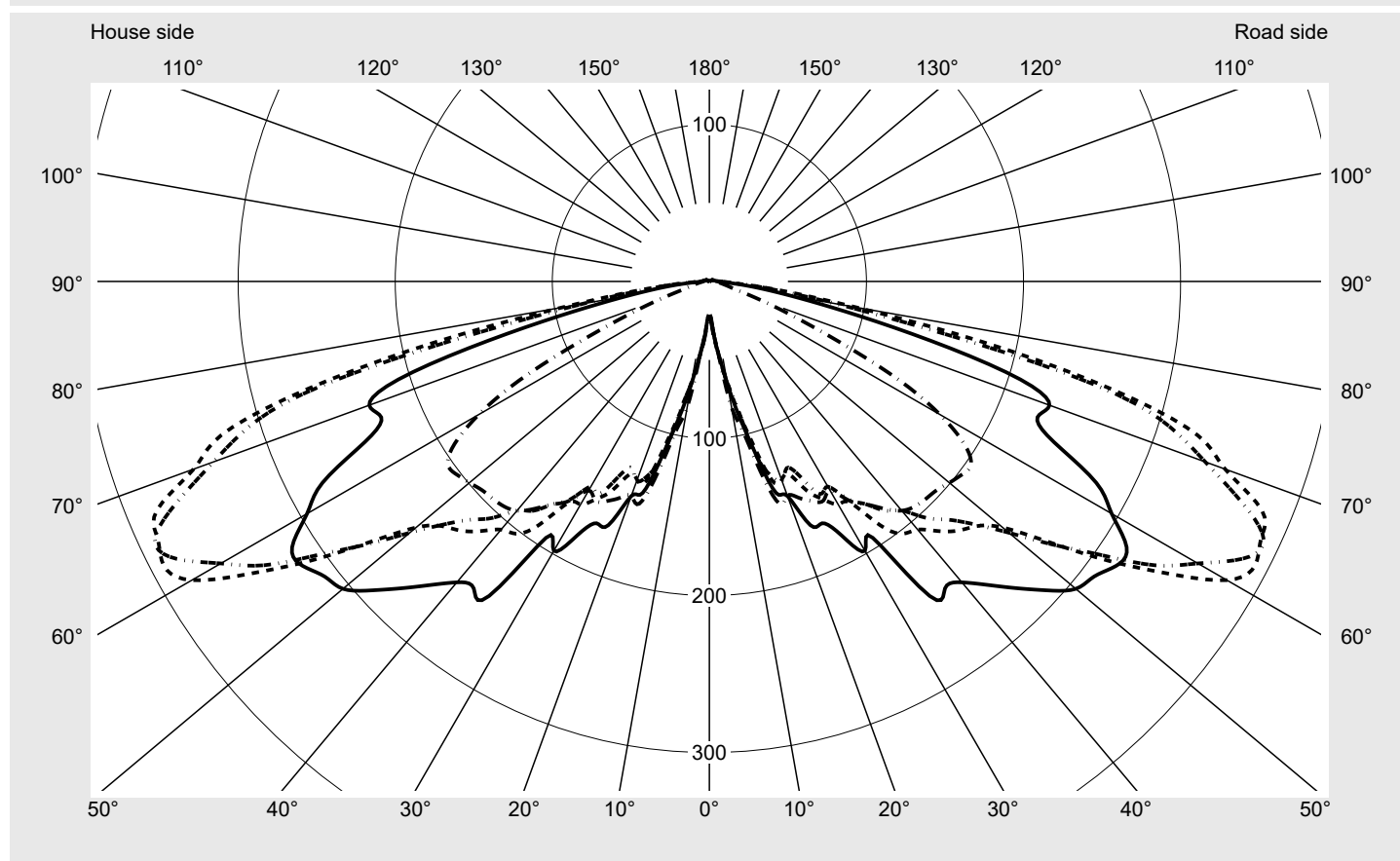
C180-0

C200-20

C205-25

C270-90

Imax: 392 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	98.8%
Eta 90° - 180°	1.2%

Luminous intensity class acc. to EN13201-2

Class:	G3
Imax 70°	349.4
Imax 80°	94.8
Imax 90°	7.3
Imax >90°	4.7
Imax >95°	3.7

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm

KMK 62.5°

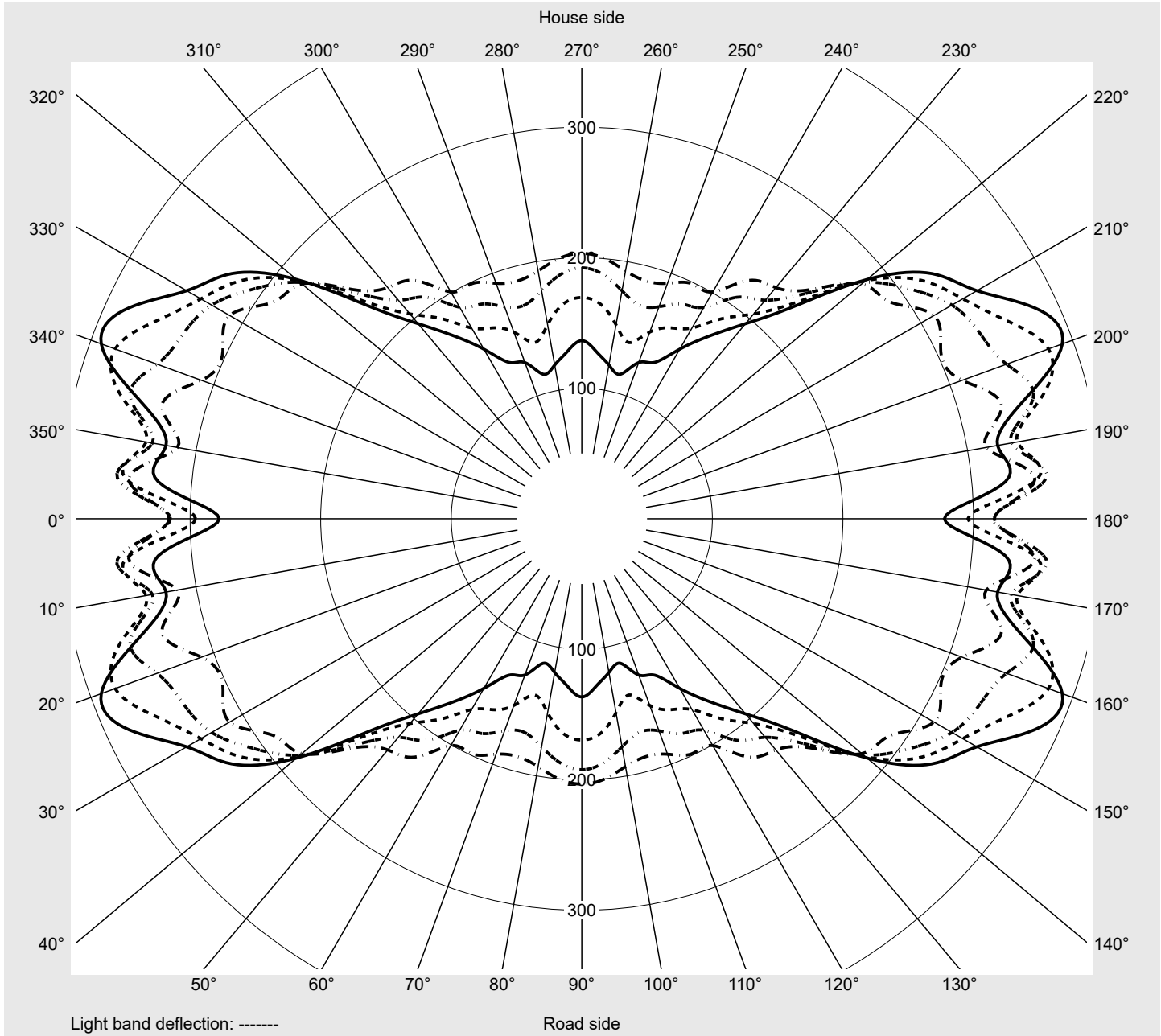
KMK 60°

KMK 57.5°

KMK 55°

sit

eco



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Family DL 11 iQ	Order number: 5XA5565CF108000022 EAN: 4058352955765	LP number 59374_101
Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
0,0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2,5°	22.9	23.0	23.2	23.3	23.7	24.6	25.1	25.3	25.2	25.7
5,0°	35.6	36.2	36.9	36.6	36.3	34.7	33.9	34.1	34.8	35.5
7,5°	48.3	49.0	49.5	50.5	49.2	48.1	48.0	48.8	51.7	54.3
10,0°	66.5	66.9	67.0	68.8	64.8	66.0	68.2	70.7	71.3	72.9
12,5°	88.4	88.1	91.9	87.8	85.1	82.5	80.9	81.8	85.0	86.3
15,0°	113.5	107.0	98.9	100.9	107.3	114.3	124.6	125.3	115.7	109.5
17,5°	141.2	129.6	129.5	133.9	132.9	129.3	126.3	121.7	119.5	122.0
20,0°	145.5	137.7	144.7	139.3	134.5	135.3	126.6	117.4	117.1	118.2
22,5°	168.0	153.1	152.8	137.0	133.1	128.7	123.4	117.8	114.8	114.8
25,0°	169.9	155.6	165.6	149.2	147.1	137.4	122.4	116.5	115.6	116.3
27,5°	182.4	171.3	176.2	153.2	156.2	152.6	142.2	133.1	129.5	129.6
30,0°	198.1	195.0	201.7	170.4	163.9	150.8	140.3	135.4	137.4	138.7
32,5°	193.5	187.3	189.2	164.6	167.1	164.5	152.9	155.5	164.5	168.1
35,0°	244.5	244.0	233.3	209.9	189.5	173.0	164.3	163.1	167.2	176.8
37,5°	246.4	246.6	230.3	216.2	202.5	184.1	172.9	176.6	185.5	187.8
40,0°	250.1	260.3	240.9	222.5	206.3	190.5	191.4	195.1	198.7	204.7
42,5°	262.1	272.3	240.4	228.1	215.6	204.2	204.1	209.6	214.3	218.8
45,0°	276.2	290.7	253.0	237.8	224.3	214.5	214.1	225.2	230.0	229.0
47,5°	291.2	301.3	262.8	252.3	230.7	228.9	234.0	243.9	239.4	234.4
50,0°	304.5	319.7	284.8	273.0	243.8	249.0	255.4	256.4	248.6	238.5
52,5°	308.7	331.8	301.5	306.8	272.8	275.1	276.4	276.1	260.5	246.7
55,0°	315.9	348.4	314.5	333.0	310.0	303.4	311.5	289.1	279.9	248.4
57,5°	315.0	357.1	333.9	358.0	346.2	336.4	327.4	306.9	281.8	244.6
60,0°	295.8	350.4	338.8	365.6	380.4	359.1	336.9	318.2	283.7	235.6
62,5°	277.7	325.7	323.4	350.6	391.7	382.5	349.4	327.4	285.2	230.2
65,0°	242.1	282.0	311.6	354.9	387.6	389.5	359.1	319.7	277.8	226.3
67,5°	226.1	250.0	288.7	340.2	380.7	366.6	352.9	311.3	265.3	212.8
70,0°	230.4	255.8	286.0	330.1	349.4	336.0	325.4	280.4	236.5	197.4
72,5°	207.7	244.8	259.3	308.5	326.1	307.1	263.7	238.8	199.2	156.6
75,0°	145.9	192.5	220.7	265.0	265.2	253.9	198.0	173.3	130.6	110.7
77,5°	89.1	112.5	145.2	177.4	178.6	150.7	120.4	102.7	89.2	79.0
80,0°	53.1	65.3	84.2	92.8	94.8	81.7	78.7	79.3	64.1	48.7
82,5°	31.4	35.9	41.0	45.8	49.6	44.1	52.1	59.6	48.9	33.7
85,0°	16.6	17.3	18.3	19.8	22.3	24.4	33.3	36.7	30.3	22.8
87,5°	7.1	7.2	7.7	8.4	10.1	11.7	13.3	13.5	12.8	12.0
90,0°	5.8	5.8	5.9	6.1	6.7	7.3	7.1	6.6	6.3	6.1
92,5°	4.7	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
95,0°	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8
97,5°	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.3
100,0°	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0
102,5°	3.0	3.0	3.1	3.1	3.0	2.9	2.8	2.8	2.8	2.7
105,0°	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.6	2.6	2.5
107,5°	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4
110,0°	2.4	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2

Photometric test report

Family DL 11 iQ	Order number: 5XA5565CF108000022 EAN: 4058352955765	LP number 59374_101
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm								Luminous flux in lm/klm		
0,0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	0.0	0.0
2,5°	26.5	26.9	26.4	26.0	26.4	26.6	26.1	26.0	25.9	0.3	0.3
5,0°	36.1	37.0	36.7	36.6	36.8	36.3	36.6	36.7	37.1	0.9	1.2
7,5°	57.0	58.1	57.6	56.0	54.9	52.1	51.0	51.0	50.4	1.9	3.1
10,0°	75.0	76.8	76.6	74.2	74.6	76.2	80.2	80.9	81.3	3.5	6.5
12,5°	89.5	95.6	97.4	96.7	96.5	95.8	94.6	97.2	96.5	5.4	11.9
15,0°	111.6	113.1	115.3	115.1	116.1	116.3	116.7	121.1	124.7	8.1	19.9
17,5°	120.7	121.2	117.9	120.7	128.0	136.7	142.2	145.0	148.4	10.6	30.6
20,0°	120.6	121.3	125.0	127.7	133.5	138.4	141.0	143.2	145.2	12.3	42.9
22,5°	118.2	123.5	127.5	130.6	135.1	142.5	147.5	149.3	149.2	14.0	56.9
25,0°	119.1	123.7	130.1	134.8	141.9	149.3	154.9	154.2	154.3	16.1	73.0
27,5°	132.9	135.6	140.9	144.9	147.3	151.1	153.9	156.4	157.3	18.8	91.8
30,0°	142.1	147.0	151.6	158.1	162.2	161.4	158.5	154.7	153.7	21.7	113.5
32,5°	167.5	171.7	172.7	176.4	169.2	162.0	163.3	164.5	165.5	24.9	138.4
35,0°	181.3	179.7	182.2	182.1	179.4	175.4	173.1	172.4	173.2	29.3	167.7
37,5°	193.6	193.0	196.8	197.1	193.0	181.9	177.8	179.7	182.4	32.7	200.4
40,0°	205.6	202.7	203.5	203.1	198.8	186.1	183.9	186.5	190.5	36.2	236.6
42,5°	217.0	212.0	210.8	210.3	200.7	187.6	188.1	192.4	194.0	39.7	276.3
45,0°	229.2	218.4	217.8	216.6	201.0	189.8	193.1	195.4	195.4	43.2	319.5
47,5°	234.3	226.7	224.5	222.1	202.0	192.7	196.0	197.8	196.6	46.8	366.3
50,0°	234.4	228.6	224.8	223.3	202.2	193.6	196.7	199.6	199.5	50.5	416.8
52,5°	236.3	230.1	218.7	215.7	200.7	195.2	197.2	201.6	202.4	54.4	471.1
55,0°	231.2	222.9	200.7	198.8	192.0	188.7	192.8	200.2	203.3	57.7	528.8
57,5°	218.6	207.2	187.1	181.5	172.8	169.5	177.4	187.8	192.2	59.7	588.5
60,0°	204.8	187.1	168.8	161.4	152.2	139.7	150.9	165.0	169.5	59.8	648.3
62,5°	195.2	171.1	150.0	132.2	127.4	114.6	119.6	128.5	136.5	58.2	706.5
65,0°	186.6	158.4	130.9	107.2	96.5	85.1	89.2	93.9	92.1	55.5	762.1
67,5°	178.8	145.5	112.6	88.6	71.4	55.9	58.4	59.3	58.1	51.8	813.9
70,0°	163.9	128.8	97.1	72.8	52.2	35.6	31.6	32.9	35.2	47.9	861.7
72,5°	130.0	104.4	83.9	59.5	35.4	22.9	19.2	18.6	19.3	42.0	903.7
75,0°	104.6	96.5	77.3	46.6	20.3	15.9	13.9	13.5	13.5	33.5	937.2
77,5°	78.3	73.6	61.7	25.9	13.1	11.6	10.9	10.6	10.3	22.2	959.4
80,0°	41.6	32.1	29.4	12.2	9.2	8.8	8.6	8.3	8.2	13.1	972.5
82,5°	23.7	17.5	12.5	7.9	7.0	6.9	6.7	6.6	6.6	7.8	980.3
85,0°	15.7	11.9	8.8	6.4	5.9	5.6	5.4	5.3	5.3	4.6	984.9
87,5°	9.7	7.4	6.3	5.5	5.2	4.9	4.6	4.4	4.4	2.3	987.2
90,0°	5.8	5.4	5.2	4.9	4.7	4.4	4.0	3.9	3.9	1.5	988.7
92,5°	4.6	4.5	4.6	4.5	4.3	4.0	3.8	3.6	3.5	1.2	989.9
95,0°	3.7	3.6	3.6	3.5	3.3	3.3	3.3	3.2	3.2	1.0	990.9
97,5°	3.3	3.2	3.1	3.0	3.0	3.0	2.9	2.8	2.8	0.9	991.8
100,0°	3.0	2.9	2.8	2.8	2.8	2.6	2.6	2.6	2.6	0.8	992.6
102,5°	2.6	2.6	2.6	2.6	2.5	2.4	2.4	2.4	2.4	0.7	993.4
105,0°	2.5	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	0.7	994.0
107,5°	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	0.6	994.6
110,0°	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	0.6	995.2

Photometric test report

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Table of values for luminous intensities		Maximum luminous intensity

sitEco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
112,5°	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
115,0°	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0
117,5°	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9
120,0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
122,5°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
125,0°	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7
127,5°	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6
130,0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
132,5°	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
135,0°	1.3	1.4	1.3	1.4	1.3	1.3	1.3	1.4	1.4	1.3
137,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
140,0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142,5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145,0°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Table of values for luminous intensities		Maximum luminous intensity

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C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
112,5°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	0.5	995.7
115,0°	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.8	0.5	996.2
117,5°	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	0.5	996.7
120,0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.4	997.1
122,5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.5	0.4	997.6
125,0°	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.5	0.4	997.9
127,5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.3	998.3
130,0°	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	0.3	998.6
132,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.3	998.9
135,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	0.3	999.1
137,5°	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	0.2	999.3
140,0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.2	999.5
142,5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.2	999.7
145,0°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1	999.9
147,5°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family DL 11 iQ	Order number: 5XA5565CF108000022 EAN: 4058352955765	LP number 59374_101
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W] average
				start of lifetime	end of lifetime	
100	254	254	2850	23.9	25.5	24.7
95	241	252	2704	22.5	24.0	23.2
90	229	250	2569	21.2	22.6	21.9
85	216	248	2424	19.9	21.2	20.5
80	203	246	2278	18.6	19.8	19.2
75	190	243	2132	17.4	18.5	18.0
70	178	241	1997	16.2	17.2	16.7
65	165	238	1851	14.9	15.9	15.4
60	152	235	1706	13.8	14.6	14.2
55	140	232	1571	12.7	13.4	13.0
50	127	229	1425	11.5	12.2	11.8
45	114	225	1279	10.3	11.0	10.6
40	102	221	1144	9.4	9.9	9.6
35	89	216	999	8.2	8.7	8.4
30	76	210	853	7.2	7.6	7.4
25	63	203	707	6.2	6.5	6.4
20	51	195	572	5.3	5.5	5.4
15	38	184	426	4.2	4.4	4.3
15	37	183	415	4.1	4.3	4.2