

Photometric test report

Family
DL® 30 LED

Order number: 5XA5132J1B08A5
EAN: 4058352059012

LP number
57205_7



Version post-top mounting
Optic symmetric, wide distribution (PL1.2s)
Cover PMMA cover, impact resistant, IK08
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG Plus
Rated values Net luminous flux = 5780 lm
Power consumption = 52.0 W
Luminous efficacy = 111.2 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm

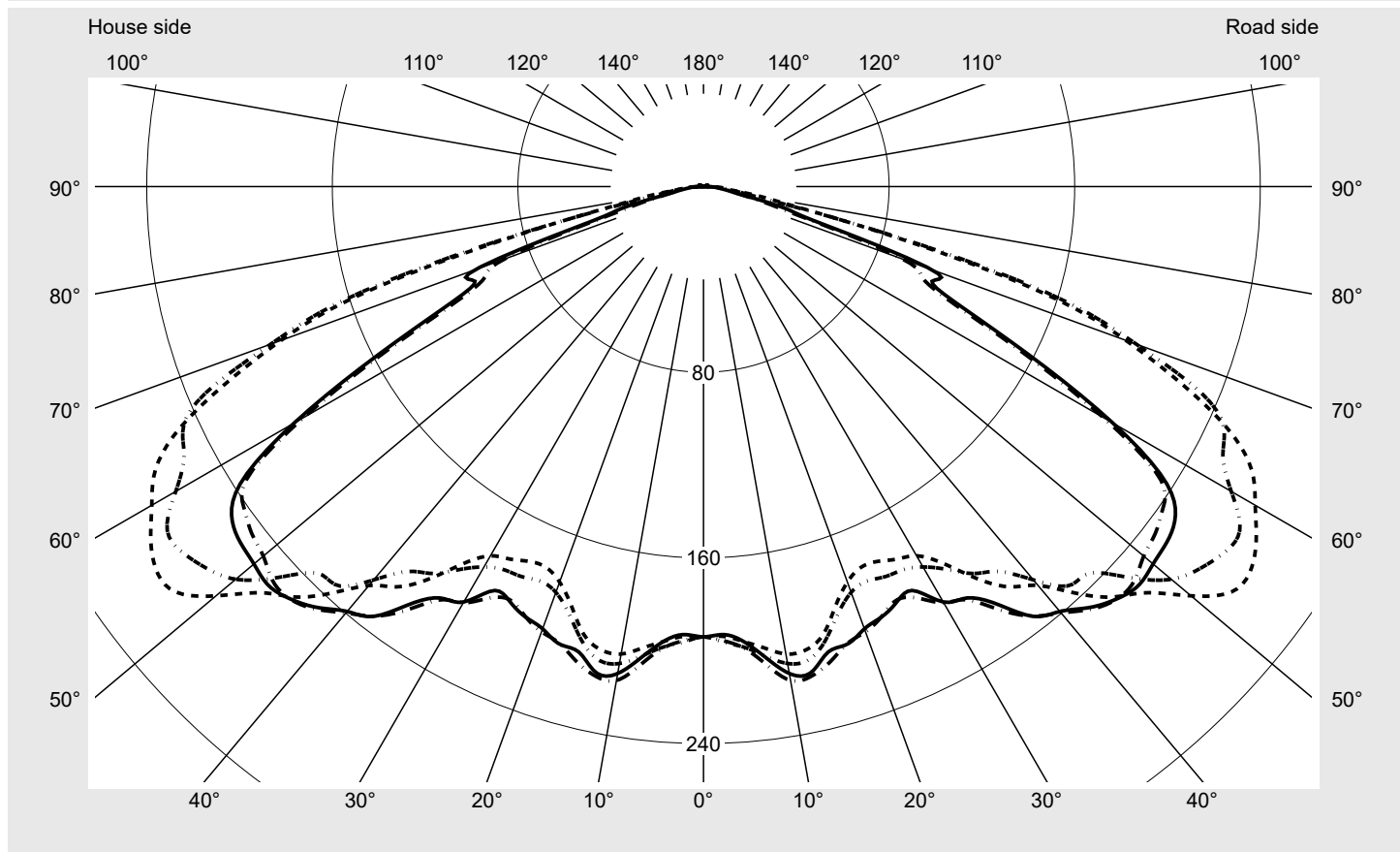
C180-0

C235-55

C240-60

C270-90

Imax: 288 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:	G6
Imax 70°	198.5
Imax 80°	25.7
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

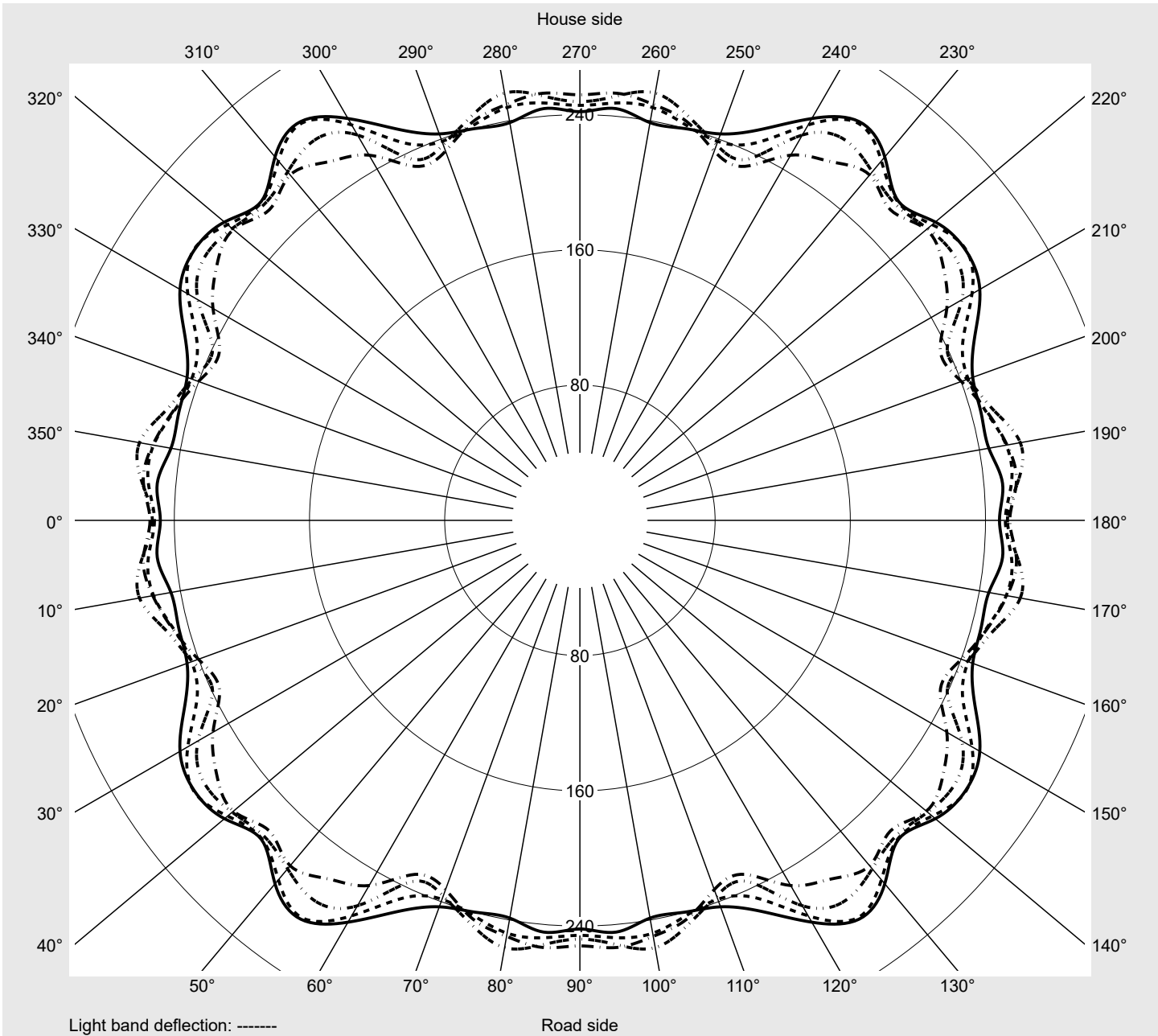
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 55°** **KMK 52,5°** **KMK 50°** **KMK 47,5°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity
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C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
Luminous intensity in cd/klm										
γ										
0,0°	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0
2,5°	193.2	194.0	195.2	195.5	194.4	194.4	194.5	195.8	195.8	194.7
5,0°	196.7	197.4	198.7	198.8	197.6	197.0	197.1	198.3	198.3	197.2
7,5°	204.6	205.0	206.1	205.8	203.9	202.6	201.6	202.1	201.8	200.3
10,0°	213.0	213.7	214.7	213.9	211.2	208.7	206.2	205.7	204.9	203.1
12,5°	214.4	214.8	215.5	214.8	211.7	209.4	206.5	205.9	205.2	203.1
15,0°	207.6	208.0	208.5	207.0	204.1	201.9	199.4	199.7	199.6	198.3
17,5°	206.7	206.4	205.7	202.9	197.3	193.4	190.4	190.5	189.9	187.4
20,0°	202.8	203.1	202.6	200.2	194.5	189.2	184.1	181.3	177.6	174.4
22,5°	200.7	199.8	198.8	197.0	192.9	189.5	184.0	177.0	169.8	165.3
25,0°	197.4	195.6	193.2	193.0	191.2	189.4	184.6	177.9	170.9	166.0
27,5°	196.3	195.5	192.9	191.7	191.7	192.5	186.1	179.5	178.0	175.6
30,0°	206.7	205.5	203.1	199.7	197.6	196.8	191.4	185.6	184.4	187.3
32,5°	210.3	207.5	204.9	206.2	207.6	204.5	198.5	195.4	194.2	194.7
35,0°	219.3	218.0	211.7	209.6	212.6	211.8	210.0	206.7	206.5	203.1
37,5°	233.4	231.9	224.9	220.5	221.4	216.0	217.1	220.5	215.8	218.9
40,0°	239.0	235.6	227.7	224.7	230.4	227.9	225.0	228.3	229.8	232.9
42,5°	246.0	243.2	233.1	228.2	231.6	230.9	238.3	238.4	241.6	245.4
45,0°	251.5	253.0	244.9	236.5	234.7	231.6	239.9	254.4	255.4	254.2
47,5°	254.4	259.3	256.7	249.2	240.2	235.4	250.7	262.3	267.6	259.8
50,0°	253.0	260.1	264.6	253.1	244.0	239.8	261.0	271.2	268.6	264.3
52,5°	251.7	256.4	256.2	248.8	244.5	250.0	267.9	279.0	272.1	266.2
55,0°	248.3	251.0	245.7	245.8	247.4	257.8	273.2	278.6	274.5	266.7
57,5°	235.8	239.9	235.0	235.0	250.3	266.2	272.4	276.2	271.3	263.0
60,0°	203.7	207.7	213.2	218.9	241.5	258.6	261.4	271.1	268.4	257.5
62,5°	160.7	168.0	181.1	192.6	219.8	246.0	254.2	264.2	261.2	252.2
65,0°	123.0	132.0	150.1	155.1	187.9	237.8	246.8	246.7	245.6	240.6
67,5°	106.7	116.0	130.7	135.4	162.8	215.4	226.6	221.9	221.5	214.6
70,0°	104.7	109.4	119.7	127.2	146.9	182.2	196.9	192.8	179.2	177.4
72,5°	54.5	74.3	94.6	104.6	123.1	146.1	166.9	148.0	126.5	123.4
75,0°	36.9	41.4	52.0	62.3	74.0	82.9	103.7	95.0	89.7	83.0
77,5°	18.6	20.4	22.0	25.2	26.0	29.1	43.9	56.1	50.1	47.8
80,0°	11.8	11.6	12.0	12.5	13.2	14.1	17.8	24.6	23.4	22.7
82,5°	8.4	8.5	8.9	9.5	9.9	10.6	11.1	12.4	12.7	12.8
85,0°	6.1	6.0	6.3	6.8	7.3	7.7	8.0	8.2	8.0	8.2
87,5°	4.1	4.2	4.5	4.9	5.4	5.9	6.2	6.3	6.2	6.3
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	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
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
		sitEco

C-planes	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-zone	Total Phi-zone
	130°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°			
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	0.3	0.3
2,5°	193.3	194.0	196.5	196.4	194.7	195.5	196.6	196.4	195.8	2.3	2.6
5,0°	195.6	196.7	199.2	199.2	197.6	198.9	200.1	199.9	199.6	4.7	7.4
7,5°	198.8	200.5	204.0	204.9	204.3	206.4	208.2	208.3	207.8	7.3	14.7
10,0°	201.5	204.5	208.7	210.8	211.4	214.0	216.2	216.6	216.1	10.0	24.7
12,5°	201.3	204.4	208.9	211.0	212.0	214.3	216.4	216.5	216.0	12.5	37.1
15,0°	196.9	199.7	202.6	204.2	205.6	208.4	211.1	212.0	211.8	14.5	51.6
17,5°	186.2	189.4	192.9	195.4	198.3	202.3	205.8	206.9	206.4	16.2	67.9
20,0°	175.4	181.3	186.1	189.9	196.0	201.6	204.8	205.3	204.2	18.0	85.8
22,5°	169.1	177.5	184.0	190.2	196.7	200.5	201.7	201.5	200.6	19.8	105.6
25,0°	168.3	178.2	185.4	190.4	194.2	193.8	193.8	196.2	196.7	21.6	127.3
27,5°	175.9	180.9	186.1	191.3	194.1	192.9	195.2	198.9	199.9	23.9	151.1
30,0°	185.6	183.7	189.3	197.4	200.3	201.0	205.4	208.5	207.1	26.9	178.0
32,5°	194.8	192.6	195.6	205.3	207.1	204.7	205.5	210.2	211.1	29.8	207.8
35,0°	206.2	206.4	203.5	208.7	209.6	208.1	211.8	220.9	222.6	33.1	240.9
37,5°	217.0	217.4	209.0	212.3	218.2	219.3	225.7	235.0	233.3	36.8	277.7
40,0°	230.4	224.3	221.2	222.4	225.2	222.9	227.6	238.0	239.8	40.3	318.0
42,5°	239.8	237.7	233.2	224.8	224.3	226.5	230.9	244.6	247.0	43.6	361.6
45,0°	256.0	250.1	235.5	226.8	226.2	233.4	239.8	251.8	251.6	47.1	408.7
47,5°	266.7	259.0	249.4	231.1	232.5	244.2	249.9	253.6	251.7	50.8	459.5
50,0°	269.1	274.3	263.2	235.9	236.5	247.6	256.7	252.0	247.7	53.8	513.3
52,5°	277.5	286.9	270.1	246.4	238.6	242.2	248.0	247.9	245.5	56.1	569.5
55,0°	280.7	288.0	274.5	255.3	243.3	239.9	238.9	244.5	241.7	58.0	627.5
57,5°	276.7	282.5	274.2	266.4	250.7	228.2	227.9	236.2	232.9	58.9	686.4
60,0°	272.9	274.6	262.7	262.9	241.2	215.8	210.3	202.8	199.0	57.3	743.7
62,5°	268.9	266.7	252.4	248.9	220.9	193.1	178.0	162.6	155.9	53.9	797.6
65,0°	246.5	250.8	247.6	237.4	185.5	157.8	147.1	128.6	118.2	49.2	846.8
67,5°	223.9	224.1	232.2	216.1	161.4	136.6	127.2	108.5	101.9	44.7	891.5
70,0°	182.2	193.8	198.5	178.9	142.2	124.3	114.5	98.0	91.5	39.5	931.0
72,5°	135.6	156.0	162.2	139.2	112.5	94.1	76.8	59.6	50.1	30.4	961.5
75,0°	79.8	91.9	97.4	75.9	67.8	52.5	45.6	33.8	29.7	18.6	980.0
77,5°	40.8	43.4	39.2	29.8	26.7	25.1	21.3	19.1	18.1	8.7	988.7
80,0°	25.4	25.7	19.5	16.3	15.5	14.7	13.8	13.3	13.1	4.6	993.4
82,5°	12.3	13.1	12.4	12.1	11.8	11.2	10.4	9.9	9.8	3.0	996.4
85,0°	8.4	8.8	9.1	8.9	8.5	7.9	7.3	6.9	6.8	2.1	998.5
87,5°	6.5	6.7	6.7	6.5	6.0	5.5	5.0	4.7	4.5	1.6	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
165,0°	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

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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	5780	52.0	54.0	53.0
95	241	5484	48.6	50.6	49.6
90	229	5211	45.7	47.5	46.6
85	216	4915	42.7	44.4	43.6
80	203	4619	39.6	41.2	40.4
75	190	4324	36.7	38.1	37.4
70	178	4051	34.1	35.4	34.8
65	165	3755	31.3	32.5	31.9
60	152	3459	28.6	29.6	29.1
55	140	3186	26.2	27.1	26.6
50	127	2890	23.5	24.4	24.0
45	114	2594	21.0	21.7	21.4
40	102	2321	18.8	19.5	19.2
35	89	2025	16.4	16.9	16.6
30	76	1729	13.9	14.4	14.2
25	63	1434	11.6	12.0	11.8
20	51	1161	9.5	9.7	9.6
17	43	979	8.0	8.3	8.2