

Photometric test report

Family
DL® 30 LED

Order number: 5XA5132R1B08A5
EAN: 4058352059371

LP number
57205_8



Version	post-top mounting
Optic	direct, symmetric wide distribution C120002
Cover	PMMA cover, impact resistant, IK08
Lamps	LED 4000 K CRI ≥ 70
Controlgear	ECG Plus
Rated values	Net luminous flux = 6990 lm Power consumption = 52.0 W Luminous efficacy = 134.4 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm

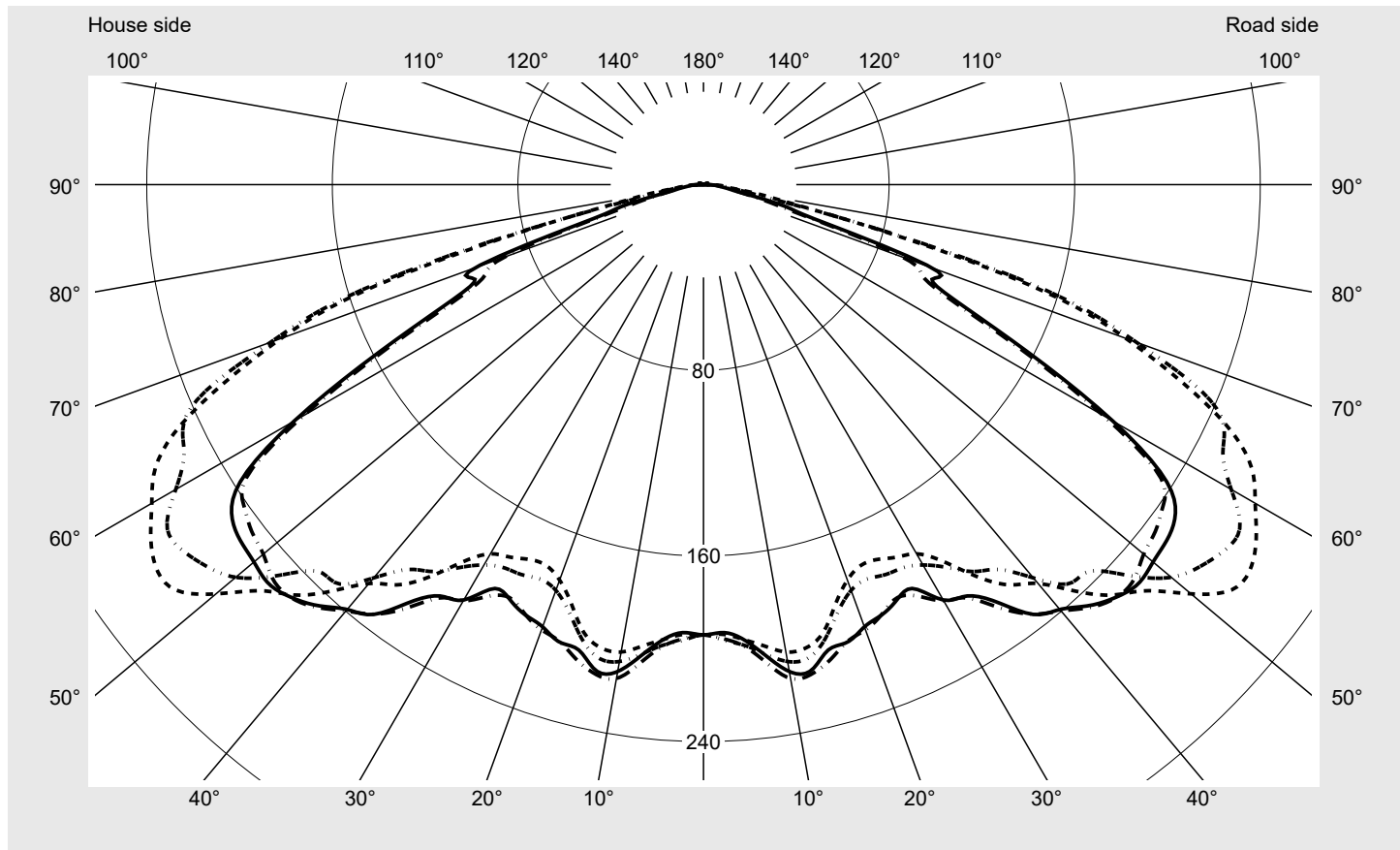
C180-0

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%

Measurement conditions

DIN EN 13032 and DIN 5032

Luminous intensity class acc. to EN13201-2

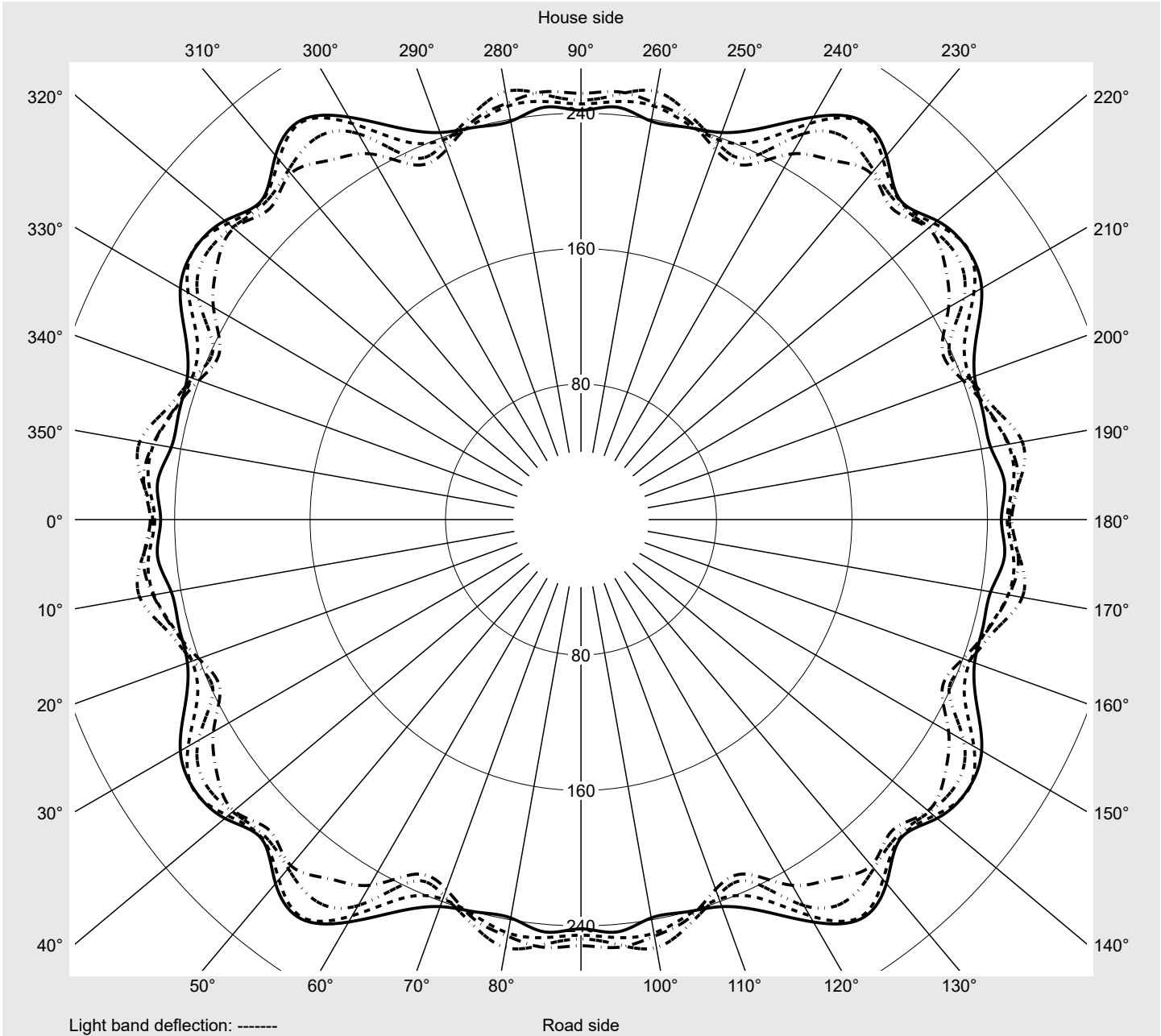
Class:	G6
Imax 70°	198.5
Imax 80°	25.7
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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



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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°	270°			
	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	6990	52.0	54.0	53.0
95	241	6632	48.7	50.6	49.7
90	229	6302	45.8	47.6	46.7
85	216	5944	42.7	44.4	43.6
80	203	5586	39.8	41.3	40.6
75	190	5229	36.9	38.4	37.6
70	178	4899	34.4	35.7	35.0
65	165	4541	31.6	32.8	32.2
60	152	4183	29.0	30.1	29.6
55	140	3853	26.6	27.5	27.0
50	127	3495	24.1	24.9	24.5
45	114	3137	21.6	22.4	22.0
40	102	2807	19.4	20.1	19.8
35	89	2449	17.0	17.6	17.3
30	76	2091	14.6	15.1	14.8
25	63	1734	12.3	12.7	12.5
20	51	1404	10.2	10.6	10.4
15	38	1046	8.0	8.2	8.1