
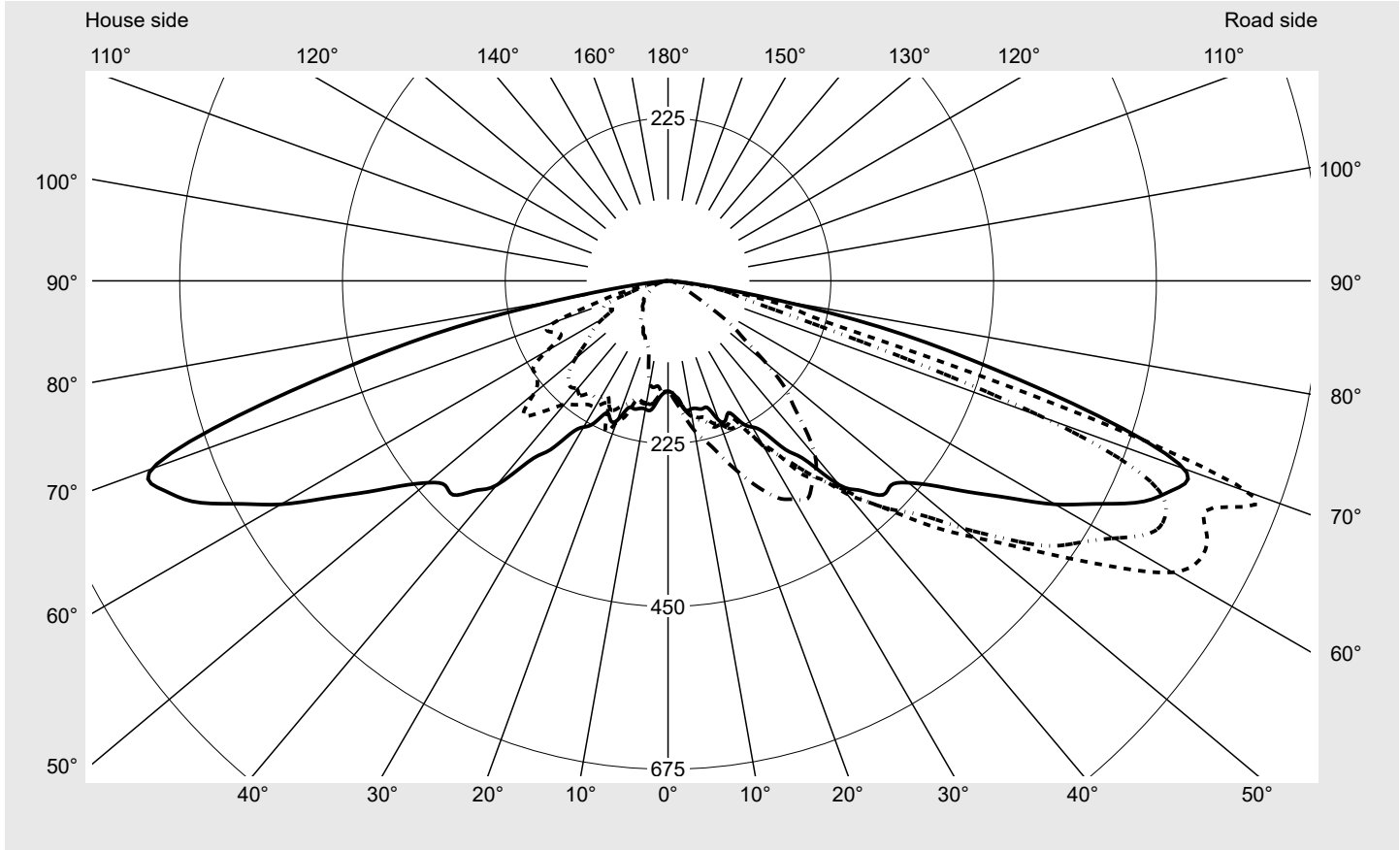


# Photometric test report

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA2482T1B08A2</b> <b>EAN: 4058352060025</b>	<b>LP number</b> <b>57234_13</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution (P1.0a) <b>Cover</b> clear cover, partly structured <b>Lamps</b> LED 3000 K   CRI ≥ 80 <b>Controlgear</b> ECG Plus <b>Rated values</b> Net luminous flux = 2470 lm Power consumption = 23.7 W Luminous efficacy = 104.2 lm/W	<b>serial documentation</b> <b>26.11.2020</b>



**Luminous intensity in cd/klm** C180-0 C195-15 C200-20 C270-90 **Imax: 854 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

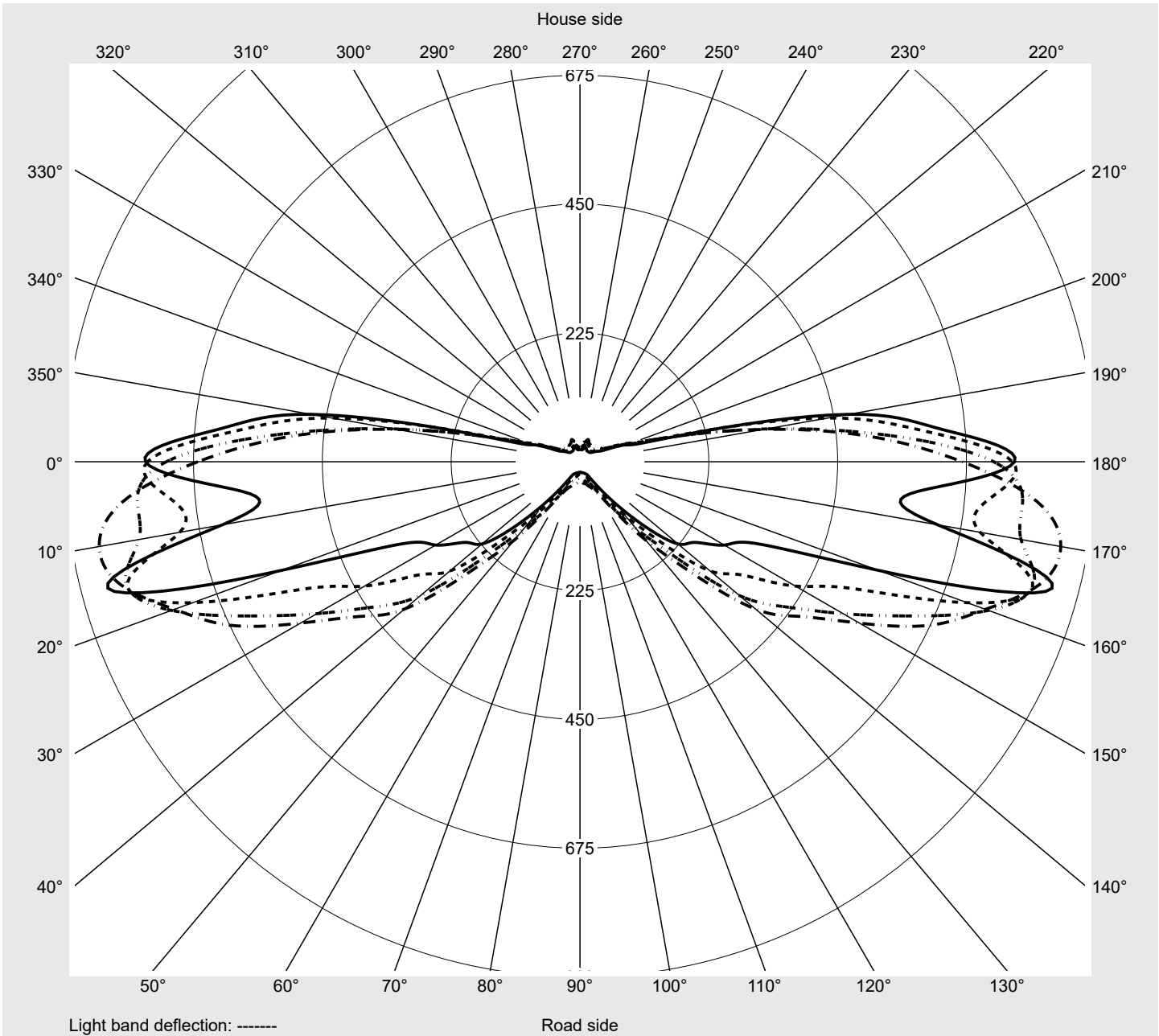
Luminous intensity class acc. to EN13201-2	
Class:	G1
Imax 70°	853.6
Imax 80°	156.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Measurement conditions**  
DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA2482T1B08A2</b> <b>EAN: 4058352060025</b>	<b>LP number</b> <b>57234_13</b>
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**Envelope curve in cd/klm**      **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**      **siteco**



## Photometric test report

<b>Family</b> DL® 50 mini LED	<b>Order number: 5XA2482T1B08A2</b> <b>EAN: 4058352060025</b>	<b>LP number</b> 57234_13
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

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°	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8
2,5°	156.0	156.1	155.7	155.2	154.6	154.6	156.0	156.8	157.6	158.0	158.3	159.0	159.6
5,0°	166.0	166.0	165.1	164.3	163.5	163.7	164.8	166.5	168.6	170.0	171.4	172.7	173.7
7,5°	179.9	180.5	180.0	179.7	179.9	181.4	183.8	187.5	190.6	191.3	191.8	193.2	195.2
10,0°	180.1	182.1	184.5	187.2	190.8	194.4	196.1	199.2	204.4	208.6	211.8	214.6	213.6
12,5°	180.6	184.2	189.8	193.6	196.7	201.0	205.5	212.6	220.8	225.5	228.7	234.0	239.4
15,0°	183.1	186.2	192.6	195.4	201.6	208.5	212.6	221.7	235.3	245.7	249.3	252.9	256.4
17,5°	184.6	188.8	201.1	206.2	211.8	216.1	218.4	227.5	247.4	262.1	267.7	273.7	271.7
20,0°	205.1	203.2	208.4	209.6	211.8	216.9	227.3	239.4	254.3	271.5	280.2	289.4	294.7
22,5°	208.1	206.3	211.0	215.5	220.8	230.4	244.7	255.5	265.0	286.3	296.3	300.8	307.0
25,0°	201.2	209.0	207.4	209.1	221.4	238.1	260.4	278.6	279.2	289.9	306.5	304.6	308.8
27,5°	221.7	231.4	229.6	232.5	227.6	239.7	257.2	280.2	291.2	290.5	313.4	302.1	311.4
30,0°	233.4	258.4	260.2	259.6	264.2	268.3	268.1	282.4	297.8	304.0	302.6	306.3	309.4
32,5°	249.7	279.0	284.7	286.2	286.0	285.9	288.5	300.8	306.6	306.5	296.2	299.0	289.3
35,0°	286.0	304.8	317.0	328.3	314.8	302.5	293.2	306.4	313.9	298.0	284.2	276.1	269.3
37,5°	312.6	327.4	336.0	344.5	346.3	331.7	313.2	314.2	326.2	294.9	264.2	255.5	237.1
40,0°	368.4	386.7	388.4	384.1	375.9	366.1	346.3	335.1	327.3	291.1	257.3	230.7	204.2
42,5°	392.7	428.6	410.8	417.1	417.0	400.7	377.1	365.5	353.2	299.9	255.6	210.7	187.3
45,0°	418.7	446.6	447.7	458.1	449.2	434.5	409.5	384.6	354.9	312.1	256.1	194.0	168.1
47,5°	418.1	455.8	490.5	506.0	481.0	465.9	436.6	414.9	361.6	315.4	232.1	169.6	151.8
50,0°	434.2	493.3	544.3	550.9	531.8	493.4	455.1	424.8	364.8	314.3	209.9	164.6	131.7
52,5°	465.5	523.6	587.5	601.7	584.2	525.6	477.9	436.4	373.0	316.5	189.3	148.4	118.4
55,0°	509.1	561.6	640.2	665.0	638.5	570.6	509.0	453.8	387.0	314.5	183.8	131.6	101.3
57,5°	558.2	632.9	723.0	737.2	673.4	610.2	543.3	469.7	404.4	314.3	185.5	115.5	90.2
60,0°	617.7	751.2	822.3	805.7	711.6	645.8	566.3	474.5	410.5	301.9	191.6	110.9	77.6
62,5°	667.5	801.8	852.7	830.3	753.7	675.4	563.7	471.2	400.6	271.1	178.8	104.0	66.2
65,0°	722.7	776.1	782.2	821.2	759.2	637.3	530.7	442.7	363.6	234.8	153.4	95.4	60.2
67,5°	755.5	720.5	709.8	818.5	719.7	523.3	434.4	344.7	296.8	195.6	122.5	71.2	46.2
70,0°	758.9	592.6	634.4	853.6	554.5	337.2	291.0	245.6	223.3	158.1	92.6	49.0	28.1
72,5°	628.4	407.2	658.3	537.8	286.0	186.6	161.4	145.2	144.3	116.3	63.2	30.5	19.0
75,0°	457.9	310.3	409.1	250.2	147.2	129.9	116.7	98.9	77.3	58.6	33.9	19.8	14.7
77,5°	312.4	260.4	260.1	177.5	100.1	87.3	83.2	64.1	45.6	31.8	18.6	12.5	11.1
80,0°	156.3	134.5	141.9	104.1	77.7	70.7	56.1	38.1	25.7	15.3	10.1	8.5	7.6
82,5°	57.1	48.5	54.2	41.6	32.3	32.4	25.7	19.8	13.5	9.7	6.3	5.5	4.9
85,0°	18.7	16.7	16.6	11.8	10.7	9.7	8.5	7.0	5.2	4.0	3.3	3.0	2.7
87,5°	4.2	3.7	3.3	3.1	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.3
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA2482T1B08A2</b> <b>EAN: 4058352060025</b>	<b>LP number</b> <b>57234_13</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

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°	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8
2,5°	159.8	160.2	160.6	161.6	162.4	162.1	155.6	154.7	154.3	154.0	153.9	154.1	154.6
5,0°	174.3	174.8	175.2	176.3	176.9	175.1	165.6	163.9	162.7	161.4	159.7	159.1	158.2
7,5°	194.1	194.3	192.5	192.8	193.0	192.6	178.1	175.9	172.9	171.7	169.8	170.1	169.1
10,0°	214.9	215.3	214.2	214.4	212.6	210.0	178.6	175.6	173.0	171.5	171.8	171.5	169.2
12,5°	239.8	236.0	231.2	228.8	225.2	223.9	179.0	178.0	172.0	170.1	171.2	167.0	159.7
15,0°	256.2	253.7	247.2	242.9	241.7	238.4	183.2	176.5	171.2	167.8	163.3	154.7	148.2
17,5°	271.3	266.9	264.6	260.8	261.5	258.7	185.4	189.3	196.3	177.3	153.6	145.2	164.6
20,0°	288.1	284.1	278.5	275.2	278.6	279.8	194.4	195.0	207.8	183.1	157.4	161.0	209.1
22,5°	298.2	295.9	283.5	285.1	295.8	301.8	216.3	206.3	225.2	193.2	167.2	178.9	202.1
25,0°	307.3	301.3	297.9	310.3	319.7	322.5	201.5	192.9	196.1	192.1	183.8	180.2	183.2
27,5°	303.8	307.3	318.5	324.9	332.9	339.7	206.1	199.4	190.2	179.4	166.0	167.2	163.2
30,0°	299.5	307.5	313.2	326.2	345.1	348.6	222.7	215.7	200.7	185.5	168.6	151.8	128.4
32,5°	295.6	291.9	308.5	333.1	351.5	357.6	234.5	218.7	203.2	189.8	181.0	150.3	109.1
35,0°	271.4	271.5	300.6	330.1	345.8	346.2	267.6	246.6	208.6	189.6	167.9	121.4	92.4
37,5°	238.3	248.0	277.6	321.4	334.6	335.0	279.5	260.4	215.7	199.6	154.5	100.6	83.6
40,0°	211.7	224.2	255.5	293.1	314.6	316.4	317.4	282.0	223.0	195.4	144.8	96.2	78.6
42,5°	182.7	196.3	235.2	262.5	282.9	283.9	354.7	301.0	240.1	199.2	133.7	92.6	76.6
45,0°	156.8	174.9	201.3	222.2	242.8	246.3	369.5	320.4	260.7	194.2	132.4	94.7	75.4
47,5°	146.6	158.3	162.9	174.6	199.6	219.9	375.0	329.4	271.5	185.4	128.2	103.8	76.8
50,0°	140.3	136.7	127.2	135.4	160.3	177.5	380.9	332.9	241.2	167.1	127.4	108.0	76.2
52,5°	112.1	111.5	96.0	101.2	124.2	133.7	410.5	338.0	227.7	145.1	97.6	93.7	62.8
55,0°	94.3	80.9	74.7	72.8	90.9	109.0	449.1	336.1	223.3	131.4	82.4	80.8	57.1
57,5°	78.2	67.6	61.2	58.1	62.3	73.1	466.1	340.9	220.5	120.7	77.1	63.3	54.1
60,0°	64.5	57.1	49.3	48.1	48.3	48.2	489.4	327.4	192.4	103.3	63.4	49.1	46.6
62,5°	51.9	45.6	40.4	38.6	35.8	33.7	508.1	325.2	168.0	86.6	59.0	45.7	42.7
65,0°	41.7	36.4	34.8	31.3	29.4	27.8	536.3	330.0	169.3	95.0	61.8	44.3	37.2
67,5°	32.3	28.8	27.1	24.7	22.7	21.6	607.2	439.7	180.5	96.0	64.8	43.3	34.4
70,0°	23.2	21.4	19.9	19.5	18.4	18.2	637.9	476.8	165.8	86.8	50.5	36.7	30.4
72,5°	17.5	15.8	14.9	14.6	14.6	14.3	528.0	362.7	112.5	58.5	44.6	30.8	24.0
75,0°	13.6	12.7	11.8	11.5	11.4	11.4	359.2	191.6	79.0	42.9	36.7	25.9	20.3
77,5°	10.2	9.5	9.0	8.8	8.7	8.7	257.6	125.3	41.5	27.3	23.9	19.0	17.3
80,0°	7.1	6.6	6.4	6.2	6.3	6.5	110.2	62.9	22.0	15.9	13.9	12.3	11.2
82,5°	4.6	4.3	4.2	4.2	4.2	4.3	34.0	27.4	12.3	9.1	8.1	7.8	7.2
85,0°	2.5	2.3	2.3	2.4	2.4	2.6	12.5	9.4	6.1	5.0	4.7	4.3	4.0
87,5°	1.1	1.1	1.0	1.0	1.0	1.0	3.7	3.4	3.1	2.8	2.6	2.4	2.2
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA2482T1B08A2</b> <b>EAN: 4058352060025</b>	<b>LP number</b> <b>57234_13</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	152.8	0.2	0.2
2,5°	154.5	154.8	154.8	154.5	154.9	156.0	156.3	156.5	156.8	156.8	157.2	1.9	2.1
5,0°	156.2	153.9	152.1	150.6	149.7	148.6	147.1	146.4	146.1	146.5	147.0	3.9	6.0
7,5°	166.0	162.1	157.4	153.0	150.8	150.6	149.8	148.7	148.4	148.0	148.3	6.3	12.2
10,0°	163.4	159.6	158.2	156.3	151.5	146.9	147.9	146.5	145.4	143.8	144.1	8.7	20.9
12,5°	152.8	151.2	152.7	155.7	152.9	145.3	135.0	128.8	126.2	125.0	124.3	11.0	31.9
15,0°	147.0	151.3	150.9	144.0	135.7	127.1	118.6	109.3	104.4	102.1	102.7	13.2	45.1
17,5°	174.5	164.5	155.7	135.9	123.8	115.0	108.1	102.5	97.2	93.8	94.0	15.9	61.0
20,0°	188.1	155.1	135.5	121.7	110.3	103.1	98.8	96.5	93.5	90.5	90.3	18.8	79.8
22,5°	158.4	158.8	142.5	112.1	102.0	95.5	93.0	88.8	85.6	83.8	83.1	21.6	101.4
25,0°	162.6	146.5	116.6	102.0	95.6	86.6	82.2	80.5	80.0	80.6	80.7	23.9	125.3
27,5°	137.5	120.1	103.3	96.2	87.6	79.4	77.6	76.0	75.4	74.3	74.1	26.1	151.4
30,0°	111.2	98.5	92.2	88.8	83.0	77.3	74.2	74.0	74.0	73.1	72.2	28.7	180.0
32,5°	96.5	88.0	83.4	81.1	77.4	72.8	70.6	71.6	70.1	71.3	70.8	31.2	211.2
35,0°	90.4	79.2	75.1	75.4	73.6	69.1	68.1	69.4	67.3	66.1	65.4	33.4	244.6
37,5°	84.7	72.0	68.5	73.3	70.3	66.3	65.7	64.5	65.0	61.9	60.3	35.3	279.9
40,0°	76.0	66.7	64.2	66.4	66.5	63.4	61.0	59.3	59.7	56.6	54.5	37.8	317.7
42,5°	68.8	64.1	60.0	61.6	60.2	57.1	55.7	56.5	51.8	51.4	51.4	40.3	358.0
45,0°	65.1	59.8	56.6	56.6	55.6	54.1	52.1	53.3	50.0	47.4	49.9	42.4	400.4
47,5°	63.2	56.5	53.5	52.8	54.1	51.7	51.2	51.9	47.1	44.8	46.5	44.2	444.6
50,0°	61.1	51.0	49.6	49.4	51.0	50.3	52.1	50.9	44.9	43.9	43.3	45.9	490.4
52,5°	55.3	48.5	46.6	46.1	51.3	50.6	53.2	49.9	43.5	42.0	42.6	47.4	537.8
55,0°	50.8	45.1	42.1	43.0	49.4	47.7	50.2	52.3	44.5	39.3	38.8	49.8	587.6
57,5°	41.5	39.3	38.5	39.7	47.9	44.6	49.7	50.2	41.2	35.8	33.5	52.7	640.3
60,0°	38.7	35.8	34.7	35.8	42.0	43.3	45.4	42.7	37.4	34.5	29.6	55.8	696.1
62,5°	35.8	31.4	30.7	33.4	35.2	37.0	41.4	36.1	34.5	28.6	26.9	57.1	753.2
65,0°	31.6	28.6	28.0	31.0	31.1	33.4	34.2	30.8	28.4	25.2	25.4	56.3	809.5
67,5°	27.8	26.5	25.9	26.8	27.0	29.6	29.5	27.2	25.5	22.9	23.5	53.8	863.3
70,0°	25.2	23.2	22.9	22.5	23.3	26.1	26.6	23.5	21.1	21.1	21.1	47.7	911.0
72,5°	20.6	19.3	18.6	18.0	19.2	20.0	20.4	18.3	17.2	18.1	18.1	35.1	946.1
75,0°	17.2	16.0	15.5	14.0	13.4	14.3	14.5	13.9	13.6	13.9	14.6	22.8	968.9
77,5°	14.7	13.0	11.9	10.7	9.9	10.2	10.3	10.3	10.6	10.9	10.6	15.9	984.8
80,0°	10.1	9.3	8.4	7.7	7.1	6.6	6.7	6.8	7.5	7.6	7.5	9.1	993.9
82,5°	6.6	5.7	5.4	4.9	4.5	4.2	4.1	4.1	4.5	4.4	4.4	4.0	997.9
85,0°	3.7	3.4	3.0	2.8	2.5	2.3	2.1	2.1	2.1	2.2	2.6	1.6	999.5
87,5°	2.0	1.7	1.5	1.4	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.5	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

## Photometric test report

<b>Family</b> DL® 50 mini LED	<b>Order number: 5XA2482T1B08A2</b> <b>EAN: 4058352060025</b>	<b>LP number</b> 57234_13
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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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	2470	23.7	24.0	23.8
95	241	2344	22.3	22.7	22.5
90	229	2227	21.3	21.6	21.5
85	216	2100	20.0	20.3	20.2
80	203	1974	18.7	19.1	18.9
75	190	1848	17.5	17.8	17.6
70	178	1731	16.5	16.7	16.6
65	165	1605	15.3	15.5	15.4
60	152	1478	14.0	14.2	14.1
55	140	1361	13.0	13.1	13.0
50	127	1235	11.9	12.1	12.0
45	114	1109	10.7	10.8	10.8
40	102	992	9.7	9.8	9.8
35	89	865	8.5	8.6	8.6
33	83	807	7.9	8.0	8.0