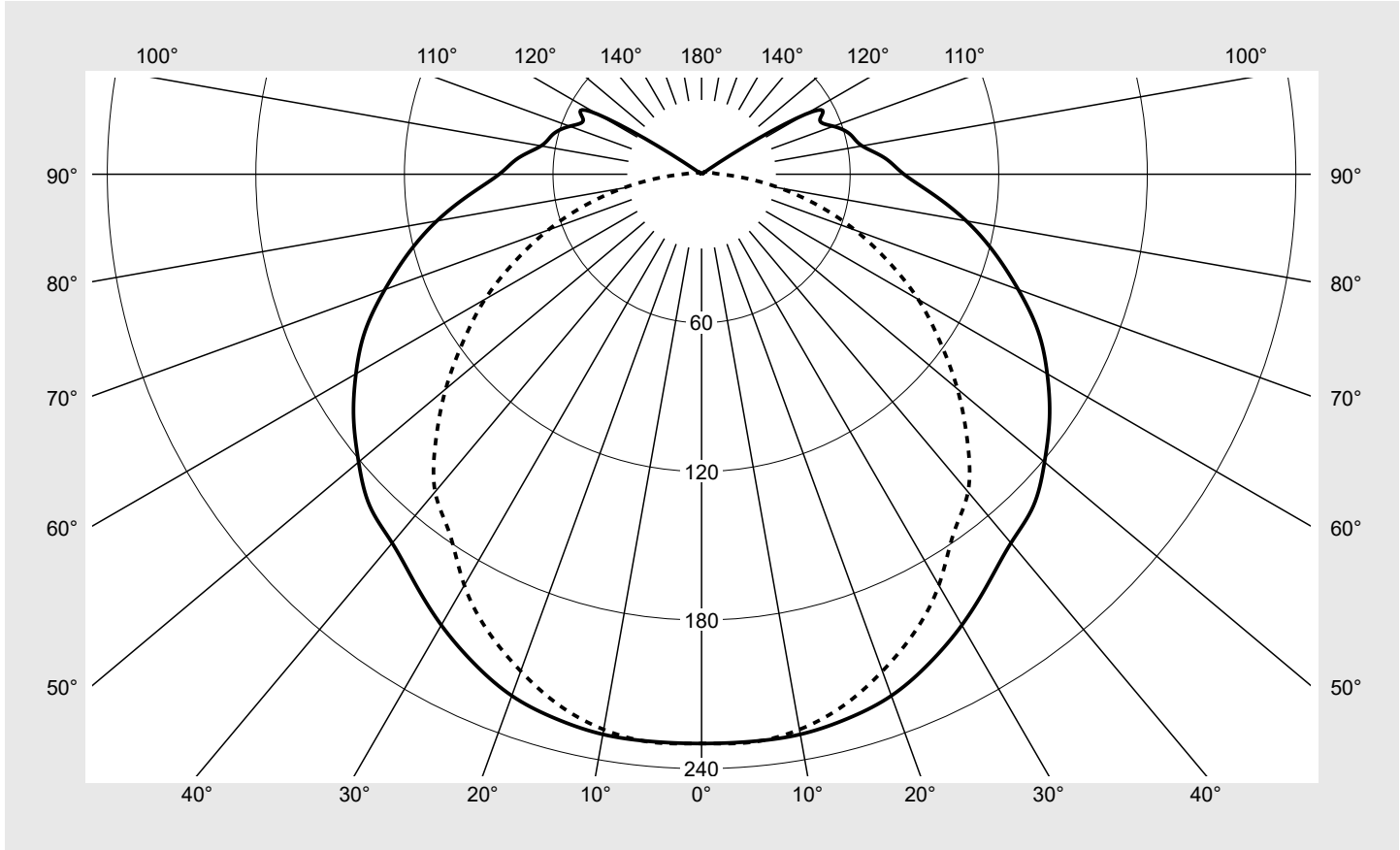


Photometric test report

Family Batten 41 	Order number: 51LP327KM20AF EAN: 4058352705025	LP number 59484_1
	Version diffuser optic, frosted, polycarbonate, adjustable color temperature: 3000K 4000K 5000K, extremely wide distribution Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Setting individual position: colour temperature 3000K Rated values Net luminous flux = 1800 lm Power consumption = 16.0 W Luminous efficacy = 112.5 lm/W	serial documentation 26.08.2024

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 230 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=37 N2=66 N3=87 N4=87 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	86.8%
ϕ_o	13.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Batten 41	Order number: 51LP327KM20AF EAN: 4058352705025	LP number 59484_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Luminous intensity in cd/klm												
0°	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9
5°	229.9	229.9	229.8	229.6	229.4	229.8	230.2	229.8	229.4	229.6	229.8	229.9	229.9
10°	229.7	229.0	228.3	227.9	227.4	227.5	227.7	227.5	227.4	227.9	228.3	229.0	229.7
15°	227.6	227.6	227.7	225.6	223.6	222.8	222.0	222.8	223.6	225.6	227.7	227.6	227.6
20°	224.1	223.7	223.2	219.8	216.4	214.9	213.5	214.9	216.4	219.8	223.2	223.7	224.1
25°	217.8	217.7	217.6	213.6	209.6	206.7	203.8	206.7	209.6	213.6	217.6	217.7	217.8
30°	210.2	209.6	209.0	204.6	200.1	195.9	191.6	195.9	200.1	204.6	209.0	209.6	210.2
35°	201.7	201.5	201.4	197.3	193.2	185.2	177.3	185.2	193.2	197.3	201.4	201.5	201.7
40°	194.4	193.3	192.2	186.6	181.1	174.2	167.4	174.2	181.1	186.6	192.2	193.3	194.4
45°	189.5	186.3	183.2	175.8	168.3	160.1	151.8	160.1	168.3	175.8	183.2	186.3	189.5
50°	180.8	176.0	171.3	163.0	154.7	144.8	134.9	144.8	154.7	163.0	171.3	176.0	180.8
55°	171.6	169.3	167.0	153.6	140.2	128.8	117.4	128.8	140.2	153.6	167.0	169.3	171.6
60°	161.2	158.5	155.9	141.2	126.5	113.7	101.0	113.7	126.5	141.2	155.9	158.5	161.2
65°	150.0	146.9	143.9	127.9	111.9	97.5	83.1	97.5	111.9	127.9	143.9	146.9	150.0
70°	136.1	133.4	130.6	113.2	95.8	80.9	66.0	80.9	95.8	113.2	130.6	133.4	136.1
75°	122.4	119.6	116.9	98.8	80.7	64.7	48.8	64.7	80.7	98.8	116.9	119.6	122.4
80°	108.6	105.2	101.9	83.8	65.8	49.0	32.1	49.0	65.8	83.8	101.9	105.2	108.6
85°	94.0	91.1	88.1	70.0	51.8	34.6	17.5	34.6	51.8	70.0	88.1	91.1	94.0
90°	81.7	79.1	76.5	59.1	41.8	24.8	7.9	24.8	41.8	59.1	76.5	79.1	81.7
95°	74.4	70.8	67.2	52.2	37.2	21.1	4.9	21.1	37.2	52.2	67.2	70.8	74.4
100°	65.8	61.9	57.9	42.8	27.7	15.7	3.6	15.7	27.7	42.8	57.9	61.9	65.8
105°	62.2	58.3	54.5	40.5	26.6	14.5	2.4	14.5	26.6	40.5	54.5	58.3	62.2
110°	56.6	53.8	51.1	39.2	27.4	14.5	1.6	14.5	27.4	39.2	51.1	53.8	56.6
115°	52.8	50.1	47.3	36.0	24.7	13.2	1.6	13.2	24.7	36.0	47.3	50.1	52.8
120°	48.4	46.4	44.3	33.2	22.1	11.8	1.6	11.8	22.1	33.2	44.3	46.4	48.4
125°	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
135°	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
145°	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
155°	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
165°	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
175°	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

Photometric test report

Family Batten 41	Order number: 51LP327KM20AF EAN: 4058352705025	LP number 59484_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0°	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	1.4	1.4
5°	229.9	229.8	229.6	229.4	229.8	230.2	229.8	229.4	229.6	229.8	229.9	11.0	12.4
10°	229.0	228.3	227.9	227.4	227.5	227.7	227.5	227.4	227.9	228.3	229.0	21.7	34.1
15°	227.6	227.7	225.6	223.6	222.8	222.0	222.8	223.6	225.6	227.7	227.6	32.0	66.0
20°	223.7	223.2	219.8	216.4	214.9	213.5	214.9	216.4	219.8	223.2	223.7	41.1	107.2
25°	217.7	217.6	213.6	209.6	206.7	203.8	206.7	209.6	213.6	217.6	217.7	49.3	156.4
30°	209.6	209.0	204.6	200.1	195.9	191.6	195.9	200.1	204.6	209.0	209.6	55.7	212.2
35°	201.5	201.4	197.3	193.2	185.2	177.3	185.2	193.2	197.3	201.4	201.5	61.2	273.4
40°	193.3	192.2	186.6	181.1	174.2	167.4	174.2	181.1	186.6	192.2	193.3	65.1	338.5
45°	186.3	183.2	175.8	168.3	160.1	151.8	160.1	168.3	175.8	183.2	186.3	67.5	405.9
50°	176.0	171.3	163.0	154.7	144.8	134.9	144.8	154.7	163.0	171.3	176.0	67.7	473.6
55°	169.3	167.0	153.6	140.2	128.8	117.4	128.8	140.2	153.6	167.0	169.3	67.6	541.2
60°	158.5	155.9	141.2	126.5	113.7	101.0	113.7	126.5	141.2	155.9	158.5	65.4	606.7
65°	146.9	143.9	127.9	111.9	97.5	83.1	97.5	111.9	127.9	143.9	146.9	61.6	668.3
70°	133.4	130.6	113.2	95.8	80.9	66.0	80.9	95.8	113.2	130.6	133.4	56.2	724.5
75°	119.6	116.9	98.8	80.7	64.7	48.8	64.7	80.7	98.8	116.9	119.6	50.0	774.5
80°	105.2	101.9	83.8	65.8	49.0	32.1	49.0	65.8	83.8	101.9	105.2	42.8	817.3
85°	91.1	88.1	70.0	51.8	34.6	17.5	34.6	51.8	70.0	88.1	91.1	35.6	853.0
90°	79.1	76.5	59.1	41.8	24.8	7.9	24.8	41.8	59.1	76.5	79.1	29.8	882.8
95°	70.8	67.2	52.2	37.2	21.1	4.9	21.1	37.2	52.2	67.2	70.8	26.2	909.0
100°	61.9	57.9	42.8	27.7	15.7	3.6	15.7	27.7	42.8	57.9	61.9	21.6	930.6
105°	58.3	54.5	40.5	26.6	14.5	2.4	14.5	26.6	40.5	54.5	58.3	20.0	950.6
110°	53.8	51.1	39.2	27.4	14.5	1.6	14.5	27.4	39.2	51.1	53.8	18.5	969.1
115°	50.1	47.3	36.0	24.7	13.2	1.6	13.2	24.7	36.0	47.3	50.1	16.4	985.5
120°	46.4	44.3	33.2	22.1	11.8	1.6	11.8	22.1	33.2	44.3	46.4	14.5	1000.0
125°	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	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	0.0	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	1000.0
145°	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	1000.0
155°	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	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	0.0	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	1000.0
175°	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	1000.0

Photometric test report

Family Batten 41	Order number: 51LP327KM20AF EAN: 4058352705025	LP number 59484_1
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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	19.9	21.6	20.3	22.0	22.4	19.5	21.2	19.9	21.6	22.1
	3H	22.0	23.5	22.4	23.9	24.4	21.3	22.8	21.7	23.2	23.7
	4H	22.9	24.3	23.4	24.8	25.3	21.9	23.4	22.4	23.9	24.4
	6H	23.8	25.1	24.3	25.6	26.2	22.5	23.8	23.0	24.3	24.9
	8H	24.3	25.5	24.8	26.1	26.6	22.8	24.1	23.3	24.6	25.1
	12H	24.6	25.8	25.2	26.3	27.0	22.9	24.1	23.4	24.6	25.2
4H	2H	20.6	22.1	21.1	22.6	23.1	20.3	21.7	20.8	22.2	22.7
	3H	22.9	24.1	23.4	24.7	25.2	22.2	23.4	22.7	23.9	24.5
	4H	24.0	25.2	24.6	25.7	26.3	23.1	24.2	23.6	24.7	25.3
	6H	25.1	26.1	25.7	26.6	27.3	23.8	24.8	24.3	25.3	26.0
	8H	25.6	26.5	26.2	27.1	27.8	24.1	25.0	24.7	25.6	26.3
	12H	26.1	26.9	26.7	27.5	28.2	24.3	25.1	24.9	25.7	26.4
8H	4H	24.4	25.4	25.0	26.0	26.6	23.6	24.5	24.2	25.1	25.7
	6H	25.7	26.5	26.3	27.1	27.8	24.5	25.3	25.1	25.9	26.6
	8H	26.4	27.1	27.0	27.7	28.4	24.9	25.6	25.5	26.2	27.0
	12H	27.0	27.6	27.6	28.2	29.0	25.2	25.8	25.9	26.5	27.2
12H	4H	24.4	25.3	25.0	25.9	26.6	23.6	24.4	24.2	25.0	25.8
	6H	25.8	26.5	26.4	27.1	27.8	24.6	25.3	25.3	26.0	26.7
	8H	26.5	27.1	27.2	27.8	28.5	25.1	25.7	25.8	26.4	27.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1175	H(C0) = 18	H(C180) = 18
			B = 25	H(C90) = 0	H(C270) = 0

C-planes	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Luminance in cd/m²											
45°	9546.3	9776.2	10727.1	13150.4	10727.1	9776.2	9546.3	9776.2	10727.1	13150.4	10727.1	9776.2
50°	9276.0	9366.8	10318.2	12856.9	10318.2	9366.8	9276.0	9366.8	10318.2	12856.9	10318.2	9366.8
55°	9036.2	9438.8	9888.5	12544.3	9888.5	9438.8	9036.2	9438.8	9888.5	12544.3	9888.5	9438.8
60°	8790.7	9185.6	9546.9	12379.1	9546.9	9185.6	8790.7	9185.6	9546.9	12379.1	9546.9	9185.6
65°	8546.6	8928.6	9152.4	12044.7	9152.4	8928.6	8546.6	8928.6	9152.4	12044.7	9152.4	8928.6
70°	8187.1	8625.6	8630.8	11828.0	8630.8	8625.6	8187.1	8625.6	8630.8	11828.0	8630.8	8625.6
75°	7860.8	8315.3	8151.2	11548.7	8151.2	8315.3	7860.8	8315.3	8151.2	11548.7	8151.2	8315.3
80°	7535.8	7923.6	7638.4	11339.0	7638.4	7923.6	7535.8	7923.6	7638.4	11339.0	7638.4	7923.6
85°	7157.7	7624.6	7121.1	12273.5	7121.1	7624.6	7157.7	7624.6	7121.1	12273.5	7121.1	7624.6

Photometric test report

Family Batten 41	Order number: 51LP327KM20AF EAN: 4058352705025	LP number 59484_1
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

