

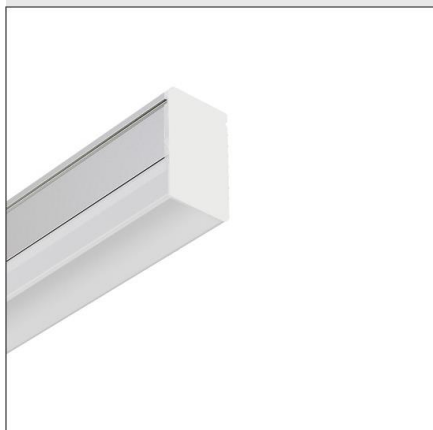
Photometric test report

Family
Batten 41

Order number: 51LP327DM10AF
EAN: 4058352704936

LP number
59483_4

serial
documentation
26.08.2024



Version diffuser optic, frosted, polycarbonate,
adjustable color temperature: 3000K | 4000K |
5000K, extremely wide distribution

Lamps LED 5000 K | CRI ≥ 80

Controlgear ECG

Setting individual position: colour temperature 5000K

Rated values Net luminous flux = 1000 lm
Power consumption = 8.3 W
Luminous efficacy = 120.5 lm/W

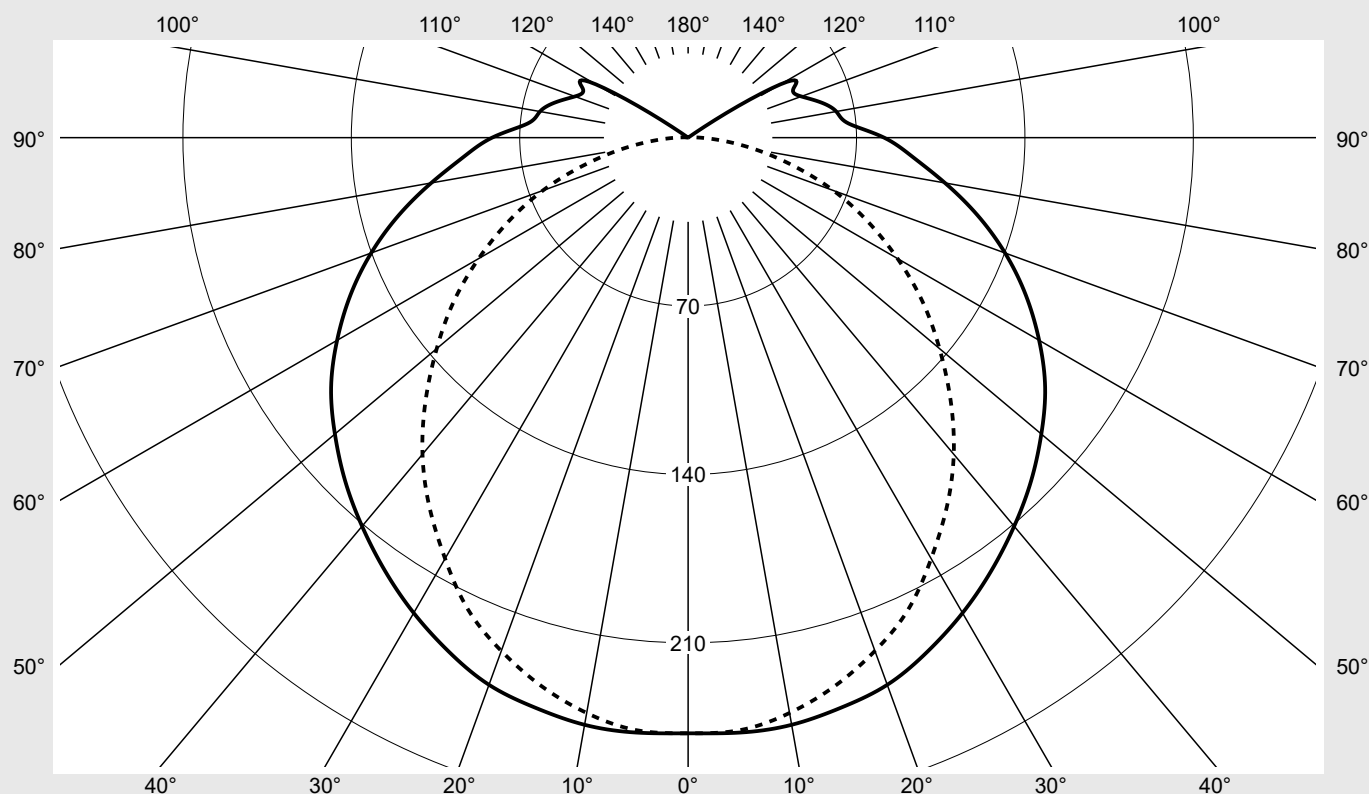
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 248 cd/klm



Classifications

DIN 5040 B 3 1
CIE N1=39 N2=68 N3=88
N4=89 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 88.5%
 ϕ_o 11.5%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Batten 41	Order number: 51LP327DM10AF EAN: 4058352704936	LP number 59483_4
Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Luminous intensity in cd/klm												
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
5°	248.2	248.0	247.8	247.2	246.6	246.9	247.2	246.9	246.6	247.2	247.8	248.0	248.2
10°	247.8	247.9	248.0	245.9	243.7	243.3	242.8	243.3	243.7	245.9	248.0	247.9	247.8
15°	245.3	245.3	245.3	241.8	238.2	237.1	235.9	237.1	238.2	241.8	245.3	245.3	245.3
20°	242.0	241.5	241.0	235.9	230.8	228.9	227.0	228.9	230.8	235.9	241.0	241.5	242.0
25°	235.6	235.1	234.5	228.0	221.5	219.0	216.4	219.0	221.5	228.0	234.5	235.1	235.6
30°	228.1	227.1	226.0	218.1	210.2	206.1	202.1	206.1	210.2	218.1	226.0	227.1	228.1
35°	219.7	218.2	216.7	207.0	197.3	192.4	187.5	192.4	197.3	207.0	216.7	218.2	219.7
40°	210.9	208.5	206.2	194.9	183.7	177.7	171.8	177.7	183.7	194.9	206.2	208.5	210.9
45°	201.7	198.2	194.8	181.8	168.8	161.5	154.3	161.5	168.8	181.8	194.8	198.2	201.7
50°	191.7	187.8	184.0	168.9	153.9	145.1	136.4	145.1	153.9	168.9	184.0	187.8	191.7
55°	181.2	176.2	171.3	154.7	138.1	128.6	119.0	128.6	138.1	154.7	171.3	176.2	181.2
60°	168.5	163.2	157.9	139.7	121.5	111.0	100.5	111.0	121.5	139.7	157.9	163.2	168.5
65°	154.9	149.6	144.3	124.8	105.2	93.8	82.3	93.8	105.2	124.8	144.3	149.6	154.9
70°	140.2	134.9	129.6	109.5	89.3	76.8	64.3	76.8	89.3	109.5	129.6	134.9	140.2
75°	124.5	118.8	113.0	92.8	72.6	59.0	45.5	59.0	72.6	92.8	113.0	118.8	124.5
80°	108.4	103.0	97.5	77.2	56.9	42.8	28.7	42.8	56.9	77.2	97.5	103.0	108.4
85°	93.9	88.6	83.2	63.3	43.4	28.8	14.3	28.8	43.4	63.3	83.2	88.6	93.9
90°	81.5	76.7	71.9	53.0	34.1	19.6	5.0	19.6	34.1	53.0	71.9	76.7	81.5
95°	67.0	66.8	66.5	49.1	31.8	16.7	1.6	16.7	31.8	49.1	66.5	66.8	67.0
100°	62.5	55.6	48.6	37.9	27.3	14.1	1.0	14.1	27.3	37.9	48.6	55.6	62.5
105°	56.9	49.2	41.5	31.8	22.0	11.5	0.9	11.5	22.0	31.8	41.5	49.2	56.9
110°	50.1	45.3	40.5	30.1	19.7	10.4	1.1	10.4	19.7	30.1	40.5	45.3	50.1
115°	48.3	45.2	42.1	30.4	18.7	10.0	1.2	10.0	18.7	30.4	42.1	45.2	48.3
120°	44.3	41.7	39.0	28.1	17.2	8.9	0.6	8.9	17.2	28.1	39.0	41.7	44.3
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: 51LP327DM10AF EAN: 4058352704936										LP number 59483_4	
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°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	1.5	1.5
5°	248.0	247.8	247.2	246.6	246.9	247.2	246.9	246.6	247.2	247.8	248.0	11.8	13.3
10°	247.9	248.0	245.9	243.7	243.3	242.8	243.3	243.7	245.9	248.0	247.9	23.4	36.7
15°	245.3	245.3	241.8	238.2	237.1	235.9	237.1	238.2	241.8	245.3	245.3	34.2	70.9
20°	241.5	241.0	235.9	230.8	228.9	227.0	228.9	230.8	235.9	241.0	241.5	44.1	115.1
25°	235.1	234.5	228.0	221.5	219.0	216.4	219.0	221.5	228.0	234.5	235.1	52.7	167.7
30°	227.1	226.0	218.1	210.2	206.1	202.1	206.1	210.2	218.1	226.0	227.1	59.5	227.2
35°	218.2	216.7	207.0	197.3	192.4	187.5	192.4	197.3	207.0	216.7	218.2	64.7	292.0
40°	208.5	206.2	194.9	183.7	177.7	171.8	177.7	183.7	194.9	206.2	208.5	68.3	360.2
45°	198.2	194.8	181.8	168.8	161.5	154.3	161.5	168.8	181.8	194.8	198.2	70.0	430.2
50°	187.8	184.0	168.9	153.9	145.1	136.4	145.1	153.9	168.9	184.0	187.8	70.2	500.4
55°	176.2	171.3	154.7	138.1	128.6	119.0	128.6	138.1	154.7	171.3	176.2	68.8	569.2
60°	163.2	157.9	139.7	121.5	111.0	100.5	111.0	121.5	139.7	157.9	163.2	65.5	634.7
65°	149.6	144.3	124.8	105.2	93.8	82.3	93.8	105.2	124.8	144.3	149.6	61.0	695.7
70°	134.9	129.6	109.5	89.3	76.8	64.3	76.8	89.3	109.5	129.6	134.9	55.1	750.8
75°	118.8	113.0	92.8	72.6	59.0	45.5	59.0	72.6	92.8	113.0	118.8	47.8	798.6
80°	103.0	97.5	77.2	56.9	42.8	28.7	42.8	56.9	77.2	97.5	103.0	40.1	838.7
85°	88.6	83.2	63.3	43.4	28.8	14.3	28.8	43.4	63.3	83.2	88.6	32.9	871.6
90°	76.7	71.9	53.0	34.1	19.6	5.0	19.6	34.1	53.0	71.9	76.7	27.3	898.8
95°	66.8	66.5	49.1	31.8	16.7	1.6	16.7	31.8	49.1	66.5	66.8	24.1	923.0
100°	55.6	48.6	37.9	27.3	14.1	1.0	14.1	27.3	37.9	48.6	55.6	19.4	942.3
105°	49.2	41.5	31.8	22.0	11.5	0.9	11.5	22.0	31.8	41.5	49.2	16.3	958.7
110°	45.3	40.5	30.1	19.7	10.4	1.1	10.4	19.7	30.1	40.5	45.3	14.7	973.4
115°	45.2	42.1	30.4	18.7	10.0	1.2	10.0	18.7	30.4	42.1	45.2	14.2	987.6
120°	41.7	39.0	28.1	17.2	8.9	0.6	8.9	17.2	28.1	39.0	41.7	12.4	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: 51LP327DM10AF EAN: 4058352704936	LP number 59483_4
UGR-Table	Standard room	siteco

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	20.6	22.3	21.0	22.7	23.1	19.9	21.6	20.3	22.0	22.4
	3H	22.6	24.2	23.1	24.6	25.1	21.6	23.1	22.0	23.5	24.0
	4H	23.5	25.0	24.0	25.4	25.9	22.2	23.6	22.6	24.1	24.6
	6H	24.4	25.7	24.9	26.2	26.8	22.7	24.0	23.2	24.5	25.0
	8H	24.9	26.1	25.4	26.6	27.2	22.9	24.2	23.4	24.7	25.2
	12H	25.2	26.4	25.8	26.9	27.5	22.9	24.2	23.5	24.7	25.2
4H	2H	21.3	22.7	21.7	23.2	23.7	20.7	22.1	21.2	22.6	23.1
	3H	23.5	24.7	24.0	25.2	25.8	22.5	23.7	23.0	24.2	24.8
	4H	24.6	25.7	25.1	26.2	26.8	23.3	24.4	23.8	24.9	25.5
	6H	25.6	26.6	26.2	27.2	27.8	23.9	24.9	24.4	25.4	26.0
	8H	26.2	27.0	26.7	27.6	28.3	24.1	25.1	24.7	25.6	26.3
	12H	26.6	27.4	27.2	28.0	28.7	24.3	25.1	24.9	25.7	26.4
8H	4H	24.9	25.9	25.5	26.4	27.1	23.8	24.7	24.3	25.2	25.9
	6H	26.2	27.0	26.8	27.6	28.2	24.6	25.3	25.2	25.9	26.6
	8H	26.8	27.5	27.4	28.1	28.8	24.9	25.6	25.5	26.2	26.9
	12H	27.4	28.0	28.1	28.6	29.4	25.1	25.7	25.8	26.4	27.1
12H	4H	24.9	25.7	25.5	26.3	27.0	23.8	24.6	24.4	25.2	25.9
	6H	26.2	26.9	26.8	27.5	28.2	24.7	25.4	25.3	26.0	26.7
	8H	26.9	27.5	27.6	28.2	28.9	25.1	25.7	25.7	26.3	27.1

Luminance table				Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 575 B = 25		H(C0) = 18 H(C90) = 0		H(C180) = 18 H(C270) = 0	
C-planes	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°	
γ	Luminance in cd/m²												
45°	11534.4	11801.9	12209.3	15179.3	12209.3	11801.9	11534.4	11801.9	12209.3	15179.3	12209.3	11801.9	
50°	11163.7	11422.2	11654.6	14762.2	11654.6	11422.2	11163.7	11422.2	11654.6	14762.2	11654.6	11422.2	
55°	10833.5	10988.3	11062.2	14434.6	11062.2	10988.3	10833.5	10988.3	11062.2	14434.6	11062.2	10988.3	
60°	10431.8	10561.1	10413.3	13986.6	10413.3	10561.1	10431.8	10561.1	10413.3	13986.6	10413.3	10561.1	
65°	10021.8	10162.8	9774.6	13553.9	9774.6	10162.8	10021.8	10162.8	9774.6	13553.9	9774.6	10162.8	
70°	9575.1	9716.3	9133.1	13073.2	9133.1	9716.3	9575.1	9716.3	9133.1	13073.2	9133.1	9716.3	
75°	9076.7	9130.5	8328.6	12220.9	8328.6	9130.5	9076.7	9130.5	8328.6	12220.9	8328.6	9130.5	
80°	8544.8	8614.1	7498.1	11477.5	7498.1	8614.1	8544.8	8614.1	7498.1	11477.5	7498.1	8614.1	
85°	8122.5	8172.4	6764.8	11429.8	6764.8	8172.4	8122.5	8172.4	6764.8	11429.8	6764.8	8172.4	

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Family
Batten 41

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LP number
59483_4

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

