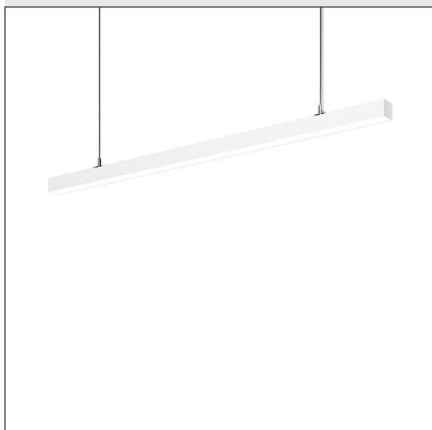


Photometric test report

Family
Silica® 21



Order number: **51MX30TBT5W**
EAN: **4058352685303**

LP number
59412_40

serial
documentation
03.05.2023

Version Suspended luminaire, with homogeneous illumination, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤25, tunable white

Lamps LED 6500 K | CRI ≥ 80

Controlgear ECG-DALI

Setting individual position

Rated values Net luminous flux = 5150 lm
Power consumption = 42.2 W
Luminous efficacy = 122 lm/W

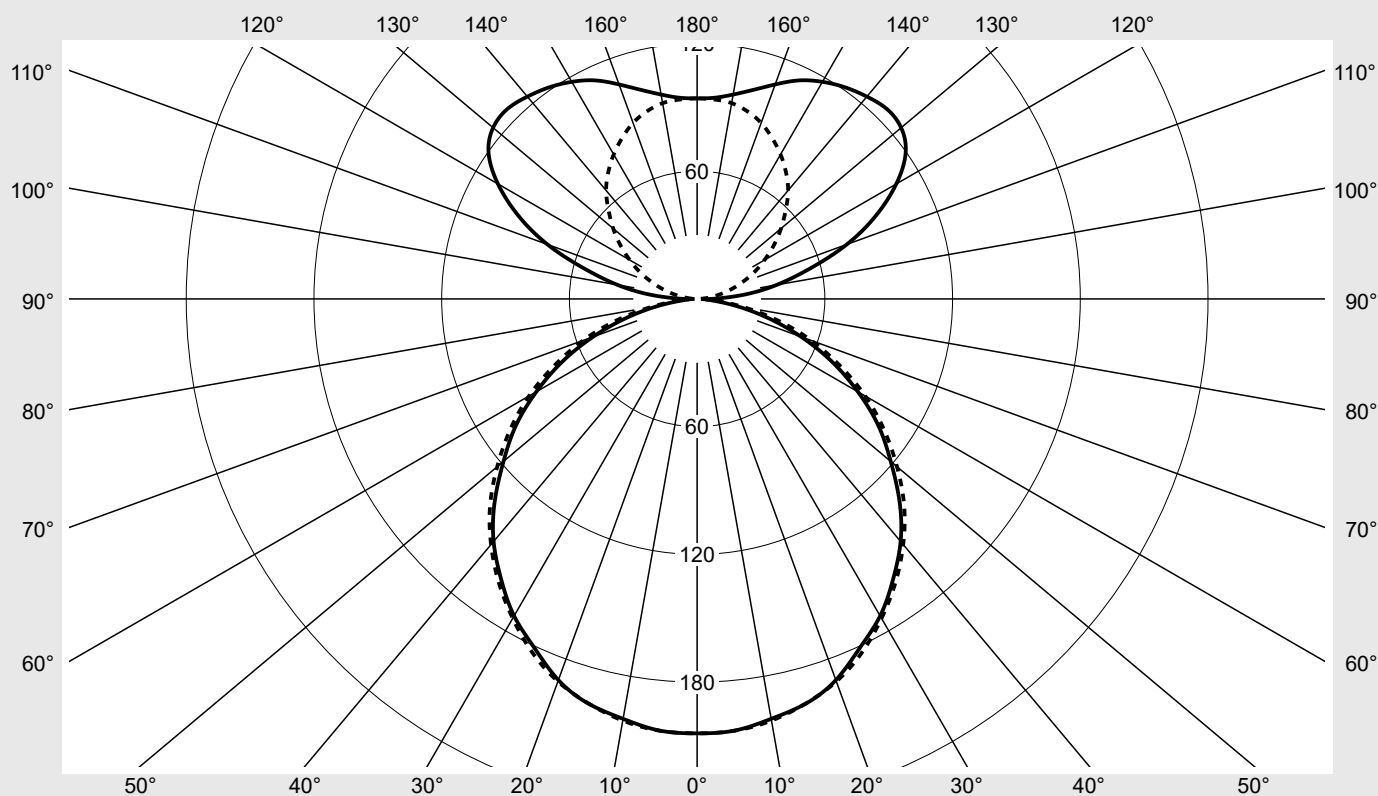
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 204 cd/klm



Classifications

DIN 5040 C 4 2
CIE N1=47 N2=79 N3=96
N4=58 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 57.8%
 ϕ_o 42.2%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21	Order number: 51MX30TBT5W EAN: 4058352685303	LP number 59412_40
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	204.1	204.1	204.1	204.1	204.1	204.1	204.1	1.2	1.2
5°	203.5	203.8	203.3	203.3	203.4	203.8	203.6	9.7	10.9
10°	200.3	199.9	199.8	200.3	201.2	200.6	201.1	19.1	30.0
15°	196.9	196.3	195.1	196.0	196.7	197.0	196.8	27.9	57.9
20°	190.5	190.1	188.7	189.7	189.8	190.2	191.2	35.6	93.5
25°	180.9	181.1	180.3	181.3	182.3	182.2	183.2	42.1	135.5
30°	172.0	171.7	170.5	171.9	173.3	173.2	173.3	47.2	182.7
35°	160.6	160.7	159.7	160.3	160.9	161.7	162.5	50.6	233.3
40°	148.7	148.4	148.5	148.2	149.1	149.3	150.6	52.5	285.7
45°	134.5	134.5	134.8	134.8	135.4	135.8	137.6	52.4	338.1
50°	118.7	119.6	120.0	120.5	121.6	121.8	122.6	50.7	388.8
55°	104.0	104.1	104.8	105.3	106.3	106.3	107.2	47.3	436.2
60°	87.2	87.5	88.1	88.4	89.8	89.9	91.2	42.2	478.3
65°	70.0	70.7	71.5	72.5	73.2	73.9	73.9	35.9	514.2
70°	52.0	53.0	53.5	54.9	56.0	56.6	57.0	28.2	542.4
75°	34.3	35.1	35.7	36.9	38.2	39.1	39.4	19.6	562.0
80°	18.0	18.4	19.0	19.8	21.0	21.9	22.2	10.8	572.8
85°	5.8	6.0	6.3	6.8	7.4	8.1	8.3	3.8	576.6
90°	6.3	6.1	6.5	6.3	3.9	1.8	1.1	2.6	579.2
95°	21.6	22.1	23.8	22.9	15.1	7.9	4.1	9.5	588.7
100°	38.0	39.1	40.0	35.9	24.8	14.2	9.4	16.0	604.7
105°	54.7	56.0	55.9	49.2	34.1	21.4	15.7	22.2	626.9
110°	74.8	75.5	71.9	60.8	43.8	28.8	22.2	28.3	655.2
115°	92.7	92.3	86.1	71.6	53.1	36.3	29.5	33.2	688.4
120°	108.0	106.6	98.3	80.7	62.0	43.6	36.5	36.7	725.0
125°	119.6	116.6	106.6	89.4	69.8	50.5	44.0	38.5	763.5
130°	125.1	122.5	111.1	94.7	75.6	57.5	51.4	38.5	802.0
135°	126.1	123.5	112.8	98.1	79.9	63.9	58.8	36.9	838.9
140°	124.1	122.0	113.0	100.2	83.2	69.8	66.5	34.3	873.1
145°	121.3	120.0	112.4	100.8	86.1	75.2	72.7	31.0	904.1
150°	117.8	117.1	110.2	99.7	88.4	80.4	78.4	27.1	931.3
155°	113.3	112.8	106.2	98.4	90.0	85.0	83.4	22.8	954.1
160°	107.2	106.9	101.9	96.9	91.4	88.5	88.0	18.2	972.3
165°	101.6	101.0	98.5	95.2	92.8	91.2	91.2	13.6	985.9
170°	97.5	97.0	96.2	94.8	93.7	93.4	93.4	9.1	994.9
175°	94.9	94.8	94.2	94.0	94.0	94.0	94.0	4.5	999.4
180°	94.2	94.2	94.2	94.2	94.2	94.2	94.2	0.6	1000.0

Photometric test report

Family Silica® 21			Order number: 51MX30TBT5W EAN: 4058352685303							LP number 59412_40	
UGR-Table			Standard room							sitemco	
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	18.5	19.6	19.3	20.4	21.5	18.7	19.7	19.5	20.6	21.6
	3H	19.9	20.8	20.8	21.7	22.8	20.2	21.2	21.1	22.0	23.1
	4H	20.4	21.3	21.3	22.1	23.3	20.8	21.7	21.7	22.6	23.7
	6H	20.6	21.4	21.5	22.3	23.5	21.1	21.9	22.0	22.8	24.0
	8H	20.6	21.4	21.5	22.3	23.5	21.1	21.9	22.0	22.8	24.0
	12H	20.6	21.3	21.5	22.2	23.4	21.2	21.9	22.1	22.8	24.0
4H	2H	19.1	20.0	20.0	20.9	22.0	19.2	20.1	20.1	20.9	22.1
	3H	20.7	21.4	21.6	22.3	23.5	20.9	21.6	21.8	22.5	23.7
	4H	21.3	21.9	22.2	22.8	24.0	21.6	22.3	22.5	23.2	24.4
	6H	21.6	22.1	22.5	23.1	24.3	22.1	22.6	23.0	23.6	24.8
	8H	21.7	22.2	22.6	23.1	24.3	22.2	22.7	23.1	23.6	24.9
	12H	21.6	22.1	22.6	23.0	24.3	22.2	22.7	23.2	23.6	24.9
8H	4H	21.4	22.0	22.4	22.9	24.1	21.7	22.2	22.7	23.2	24.4
	6H	21.9	22.3	22.9	23.3	24.5	22.3	22.7	23.3	23.7	24.9
	8H	22.0	22.4	23.0	23.4	24.6	22.5	22.9	23.5	23.9	25.1
	12H	22.0	22.3	23.0	23.3	24.6	22.6	22.9	23.6	23.9	25.2
12H	4H	21.4	21.8	22.4	22.8	24.1	21.7	22.1	22.6	23.1	24.3
	6H	21.9	22.3	22.9	23.2	24.5	22.3	22.6	23.3	23.6	24.9
	8H	22.0	22.3	23.0	23.3	24.6	22.5	22.8	23.5	23.8	25.1

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 50	
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°
			Luminance in cd/m²				
45° 50° 55° 60°	γ	13056.9	13064.8	13089.5	13091.1	13149.4	13184.0
		12684.2	12780.7	12817.0	12871.3	12990.5	13013.1
		12454.4	12468.3	12543.2	12605.7	12721.9	12722.9
		11975.5	12023.3	12093.0	12140.8	12334.0	12350.5
65° 70° 75° 80° 85°	γ	11373.7	11487.6	11620.0	11774.2	11887.0	12006.4
		10439.1	10635.5	10743.7	11017.5	11233.4	11371.9
		9099.0	9314.4	9464.8	9792.2	10122.5	10385.5
		7119.8	7256.2	7506.2	7831.2	8302.6	8656.9
	γ	4582.2	4744.5	5001.3	5371.6	5850.7	6349.4

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Family
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Order number: 51MX30TBT5W
EAN: 4058352685303

LP number
59412_40

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

