
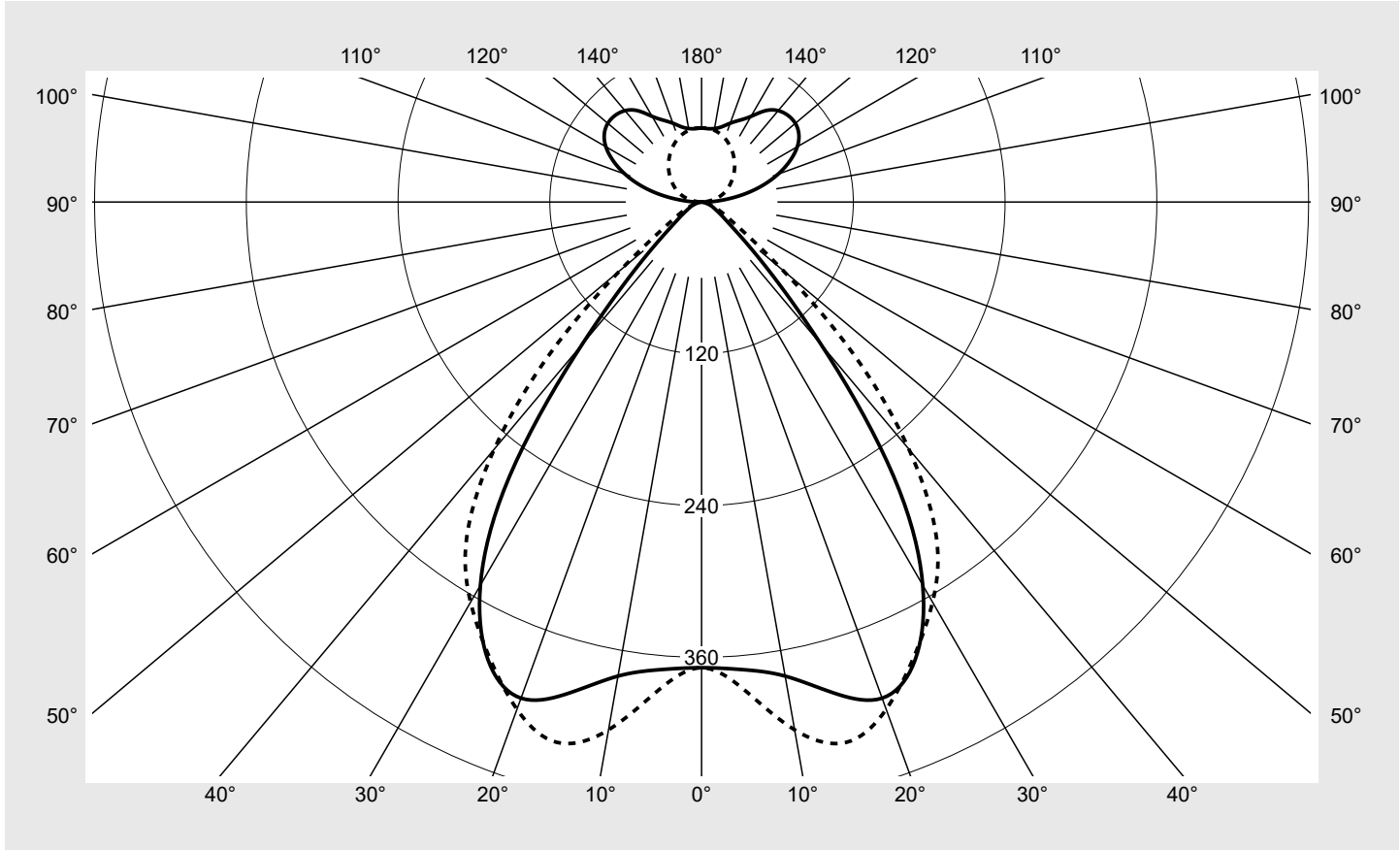


Photometric test report

Family Silica®	Order number: 5MX31BD2E4A EAN: 4058352305454	LP number 59008_4
	Version Suspended luminaire, Combined lens and reflector optics, frosted cover, direct-/ indirect distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 07.10.2020
	Lamps LED 4000 K CRI ≥ 80	Rated values Net luminous flux = 14160 lm Power consumption = 92.6 W Luminous efficacy = 152.9 lm/W
Controlgear ECG-DALI		
Setting factory setting: direct and indirect light		



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 457 cd/klm**



Classifications	
DIN 5040	B 6 2
CIE	N1=82 N2=97 N3=99 N4=70 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	70.1%
ϕ_o	29.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica®	Order number: 5MX31BD2E4A EAN: 4058352305454	LP number 59008_4
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	368.2	368.2	368.2	368.2	368.2	368.2	368.2	2.2	2.2
5°	371.1	372.5	372.3	377.9	383.3	385.7	387.1	18.1	20.3
10°	380.6	386.7	393.0	406.1	416.5	421.5	423.8	38.5	58.8
15°	401.7	411.9	422.2	436.4	443.1	442.5	442.3	61.0	119.7
20°	417.5	434.2	447.4	449.4	440.7	430.4	426.8	82.0	201.7
25°	399.5	431.8	457.2	447.2	418.1	401.4	397.1	98.6	300.3
30°	349.8	392.3	426.7	423.0	397.1	369.3	365.3	108.1	408.4
35°	264.8	296.9	333.6	364.1	359.2	328.6	323.8	103.6	512.0
40°	147.1	167.3	204.7	253.9	268.9	257.1	255.0	79.4	591.4
45°	70.1	82.5	102.6	139.6	162.7	166.1	169.4	50.0	641.4
50°	34.4	39.0	48.6	57.7	65.6	75.5	83.7	24.2	665.5
55°	21.0	22.6	25.5	29.1	29.5	33.2	38.9	12.7	678.3
60°	14.2	14.7	15.6	16.7	17.0	19.7	23.0	8.1	686.4
65°	10.3	10.4	10.6	10.6	11.1	13.3	14.7	5.7	692.0
70°	7.3	7.4	7.2	7.1	7.4	8.6	9.0	3.9	696.0
75°	4.3	4.4	4.3	4.2	4.4	4.9	5.1	2.4	698.3
80°	2.3	2.3	2.3	2.3	2.4	2.6	2.7	1.3	699.6
85°	0.9	0.8	0.9	0.9	0.9	1.0	1.0	0.5	700.1
90°	4.5	4.4	4.4	3.6	2.0	0.7	0.3	1.6	701.7
95°	15.9	16.2	16.6	13.9	8.1	4.7	3.3	6.3	708.0
100°	32.6	33.5	33.4	26.6	15.8	10.9	8.2	12.6	720.7
105°	49.4	50.6	49.7	40.7	24.8	16.5	13.2	18.8	739.5
110°	64.4	66.1	64.2	52.2	31.7	21.3	17.6	23.7	763.3
115°	77.1	78.1	76.0	60.0	36.1	25.8	21.6	26.9	790.2
120°	87.4	87.8	84.4	62.9	38.7	29.7	25.3	28.5	818.7
125°	93.9	93.6	87.6	62.2	41.4	33.0	29.1	28.4	847.1
130°	96.8	95.3	85.3	60.1	44.3	36.1	33.0	27.0	874.1
135°	96.7	94.1	81.7	58.8	47.2	39.2	36.9	25.1	899.1
140°	94.3	90.9	76.6	58.8	49.4	42.2	40.6	22.6	921.8
145°	88.1	84.1	71.0	59.5	51.5	45.2	44.2	19.8	941.5
150°	78.2	75.2	67.4	59.6	52.3	48.0	47.7	16.7	958.2
155°	71.4	69.8	64.8	59.4	53.3	50.8	50.9	13.9	972.1
160°	66.3	65.4	62.2	57.8	54.8	53.4	53.7	11.1	983.1
165°	61.6	61.0	58.9	57.4	56.0	55.6	56.0	8.2	991.4
170°	59.0	58.8	57.8	57.3	57.2	57.3	57.6	5.5	996.9
175°	58.2	58.2	57.7	57.9	58.1	58.5	58.6	2.8	999.7
180°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	0.3	1000.0

Photometric test report

Family Silica®	Order number: 5MX31BD2E4A EAN: 4058352305454	LP number 59008_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	15.5	16.5	16.2	17.2	18.1	17.3	18.3	18.0	19.0	19.9
	3H	15.4	16.2	16.1	17.0	17.9	17.2	18.1	18.0	18.8	19.7
	4H	15.3	16.1	16.1	16.9	17.8	17.2	18.0	17.9	18.7	19.7
	6H	15.2	16.0	16.0	16.7	17.7	17.1	17.8	17.9	18.6	19.5
	8H	15.1	15.8	16.0	16.6	17.6	17.0	17.6	17.8	18.4	19.4
	12H	15.1	15.7	15.9	16.5	17.5	17.0	17.6	17.8	18.4	19.3
4H	2H	15.3	16.1	16.1	16.9	17.8	17.0	17.8	17.8	18.6	19.5
	3H	15.2	15.9	16.0	16.7	17.6	16.9	17.6	17.7	18.4	19.4
	4H	15.2	15.7	16.0	16.6	17.5	16.9	17.5	17.7	18.3	19.3
	6H	15.1	15.6	15.9	16.4	17.5	16.8	17.3	17.7	18.2	19.2
	8H	15.0	15.4	15.8	16.3	17.3	16.7	17.2	17.6	18.0	19.1
	12H	15.0	15.3	15.8	16.2	17.3	16.7	17.1	17.6	17.9	19.0
8H	4H	15.0	15.4	15.8	16.3	17.3	16.7	17.1	17.5	18.0	19.0
	6H	14.9	15.3	15.8	16.1	17.2	16.6	16.9	17.4	17.8	18.9
	8H	14.9	15.2	15.8	16.1	17.2	16.6	16.9	17.4	17.8	18.8
	12H	14.9	15.1	15.7	16.0	17.1	16.6	16.8	17.4	17.7	18.8
12H	4H	15.0	15.3	15.8	16.2	17.2	16.6	17.0	17.5	17.9	18.9
	6H	14.9	15.2	15.8	16.1	17.2	16.6	16.9	17.5	17.7	18.8
	8H	14.9	15.1	15.8	16.0	17.1	16.5	16.8	17.4	17.7	18.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2836 B = 61
------------------------	---	--------------------------------------	----------------------------------

C-planes	γ	Luminance in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		8117.6	9550.3	11876.6	16153.9	18835.9	19226.1	19613.3
50°		4377.0	4968.4	6188.7	7342.3	8349.7	9615.3	10655.3
55°		2993.8	3220.8	3642.7	4156.1	4212.3	4740.1	5555.6
60°		2316.4	2409.9	2554.1	2727.0	2788.7	3223.0	3758.1
65°		1987.9	2021.6	2045.8	2057.2	2152.3	2574.7	2848.0
70°		1743.7	1760.2	1732.2	1700.1	1766.6	2066.0	2165.1
75°		1366.8	1376.3	1356.1	1341.5	1389.9	1565.1	1621.4
80°		1083.7	1084.6	1083.7	1083.7	1131.7	1248.6	1290.6
85°		807.7	795.5	807.7	837.7	878.1	945.7	961.7

Photometric test report

Family Silica®	Order number: 5MX31BD2E4A EAN: 4058352305454	LP number 59008_4
---------------------------------	---	------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

