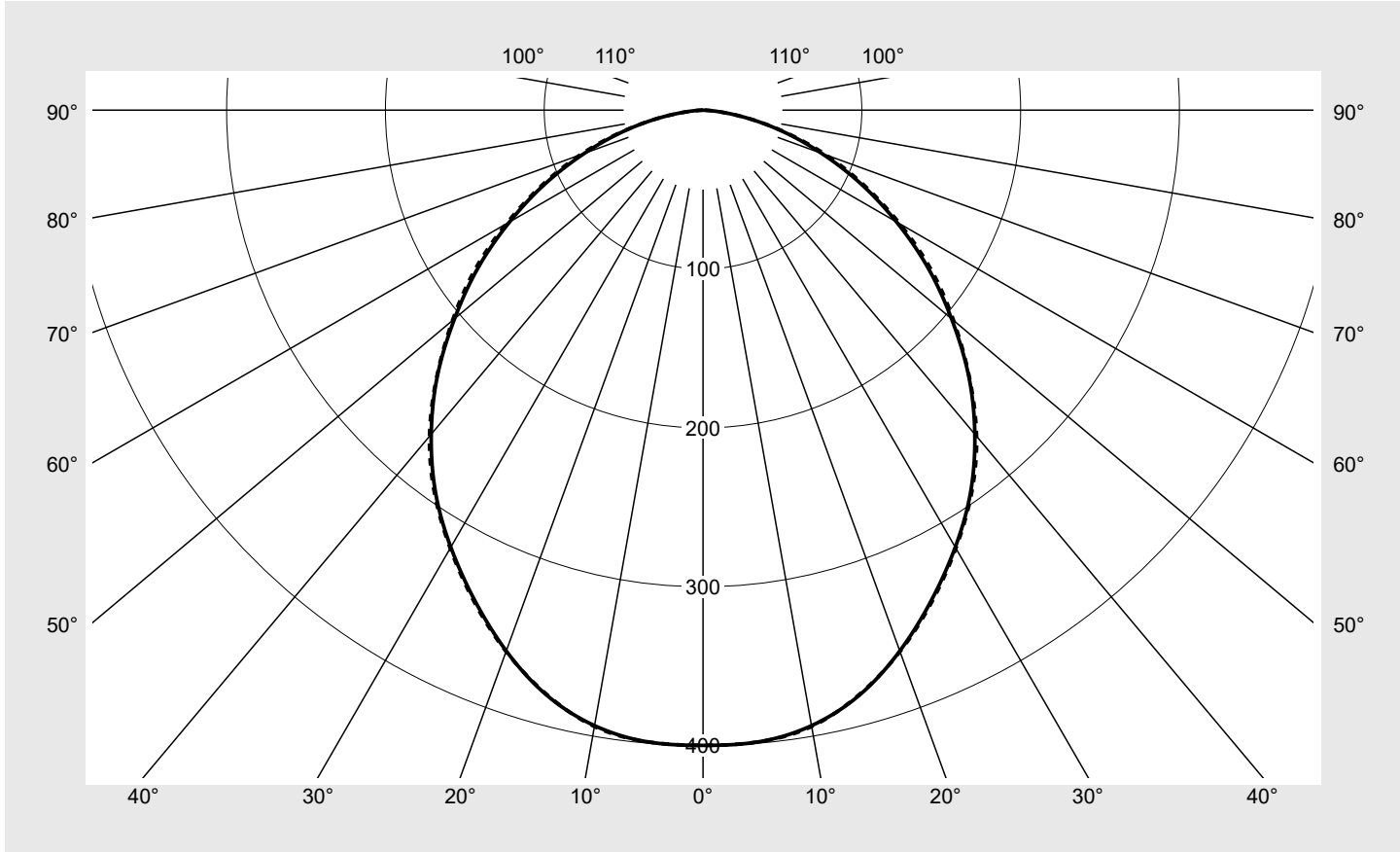


Photometric test report

Family Mira® 11	Order number: 51FR127A431A EAN: 4058352672204	LP number 59363_1
	Version clean room luminaire, square M625, reflector, semi-specular, cover panel, toughened safety glass, extremely wide distribution	serial documentation 21.12.2022
	Lamps LED 4000 K CRI ≥ 80	Controlgear ECG
Rated values Net luminous flux = 3060 lm Power consumption = 23.0 W Luminous efficacy = 133 lm/W		

Luminous intensity in cd/klm C180-0 C270-90 Imax: 400 cd/klm



Classifications	
DIN 5040	A 4 0
CIE	N1=51 N2=82 N3=97 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Mira® 11	Order number: 51FR127A431A EAN: 4058352672204	LP number 59363_1
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°	399.8	399.8	399.8	399.8	399.8	399.8	399.8	2.4	2.4
5°	399.2	399.4	399.7	399.4	399.4	399.2	399.2	19.1	21.5
10°	393.4	393.9	394.1	394.1	394.1	394.0	394.0	37.5	59.0
15°	381.1	381.0	380.9	381.0	381.3	381.1	380.7	54.1	113.0
20°	362.3	362.4	362.5	362.3	362.5	362.7	362.7	68.0	181.0
25°	340.4	340.4	340.5	340.7	340.8	341.1	341.3	78.9	259.9
30°	317.7	317.5	317.3	317.7	318.3	318.6	318.5	87.1	347.0
35°	293.7	293.2	293.0	293.2	293.8	294.6	294.7	92.3	439.4
40°	266.3	265.5	265.3	265.7	266.1	267.2	268.0	93.8	533.2
45°	236.6	234.8	234.4	234.9	235.8	236.7	237.1	91.3	624.5
50°	204.3	203.5	203.3	203.5	204.4	205.6	206.0	85.8	710.2
55°	172.9	172.8	172.8	173.3	173.7	174.8	175.6	77.9	788.2
60°	140.6	141.0	141.2	141.7	142.3	142.9	143.1	67.3	855.5
65°	109.7	110.5	110.6	111.0	111.7	112.0	112.0	55.2	910.7
70°	79.5	81.0	81.2	81.5	81.7	82.0	82.4	41.9	952.6
75°	52.2	52.5	52.6	53.0	53.2	53.2	53.4	28.0	980.6
80°	27.5	27.6	27.4	27.5	28.0	28.0	27.8	14.9	995.6
85°	8.3	8.4	8.3	8.2	7.9	7.9	7.9	4.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

Photometric test report

Family Mira® 11	Order number: 51FR127A431A EAN: 4058352672204	LP number 59363_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	16.7	18.4	17.1	18.7	19.0	16.8	18.5	17.2	18.8	19.1
	3H	18.1	19.6	18.5	19.9	20.3	18.2	19.7	18.6	20.0	20.4
	4H	18.6	20.0	19.0	20.3	20.7	18.7	20.1	19.1	20.4	20.8
	6H	18.9	20.2	19.3	20.5	20.9	19.0	20.3	19.4	20.6	21.0
	8H	19.0	20.2	19.4	20.6	21.0	19.1	20.3	19.5	20.7	21.1
	12H	19.0	20.2	19.5	20.6	21.0	19.1	20.3	19.6	20.6	21.1
4H	2H	17.4	18.8	17.8	19.2	19.5	17.5	18.9	17.9	19.2	19.6
	3H	19.0	20.1	19.4	20.5	20.9	19.0	20.2	19.4	20.6	21.0
	4H	19.5	20.6	20.0	21.0	21.4	19.6	20.7	20.1	21.1	21.5
	6H	19.9	20.9	20.4	21.3	21.7	20.0	20.9	20.5	21.4	21.8
	8H	20.1	20.9	20.5	21.3	21.8	20.1	21.0	20.6	21.4	21.9
	12H	20.1	20.9	20.6	21.3	21.8	20.2	20.9	20.7	21.4	21.9
8H	4H	19.8	20.6	20.3	21.1	21.6	19.9	20.7	20.3	21.2	21.6
	6H	20.3	21.0	20.8	21.4	21.9	20.4	21.1	20.9	21.5	22.0
	8H	20.4	21.0	20.9	21.5	22.0	20.5	21.1	21.0	21.6	22.1
	12H	20.5	21.0	21.0	21.5	22.1	20.6	21.1	21.1	21.6	22.1
12H	4H	19.8	20.6	20.3	21.0	21.5	19.9	20.6	20.4	21.1	21.6
	6H	20.3	20.9	20.8	21.4	21.9	20.4	21.0	20.9	21.5	22.0
	8H	20.5	21.0	21.0	21.5	22.0	20.6	21.1	21.1	21.6	22.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 503 B = 503
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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°		4046.5	4015.4	4009.0	4018.3	4033.9	4049.3	4055.1	
50°		3843.6	3829.8	3824.9	3829.5	3846.5	3869.1	3875.4	
55°		3646.1	3643.1	3644.5	3653.5	3662.6	3685.6	3702.1	
60°		3401.5	3411.8	3415.6	3428.7	3443.2	3457.5	3461.5	
65°		3139.8	3162.0	3164.6	3175.2	3195.4	3206.6	3206.3	
70°		2809.6	2863.5	2872.9	2882.9	2887.5	2899.6	2914.3	
75°		2441.5	2454.8	2457.1	2475.4	2485.6	2484.2	2493.1	
80°		1912.1	1919.7	1908.5	1916.5	1948.2	1948.6	1933.7	
85°		1154.8	1159.5	1158.0	1132.3	1090.3	1090.7	1102.1	

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

