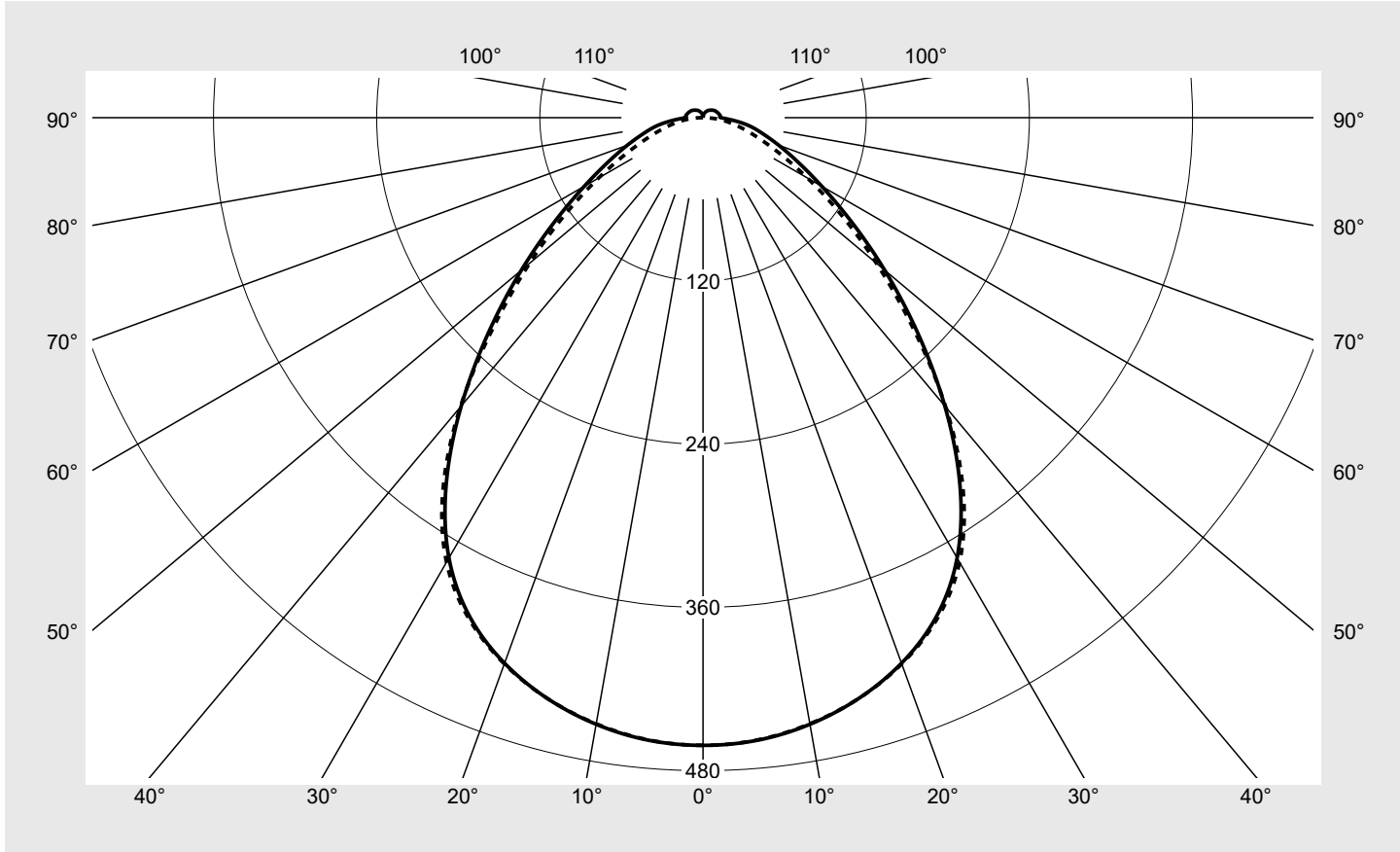


Photometric test report

Family Apollon® 31 Surface	Order number: 51MP25WM2441WA EAN: 4069025077981	LP number 59344_54
	Version surface-mounted and suspended luminaire, microprismatic optics, wide distribution, at factory setting Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 3800 lm Power consumption = 27.0 W Luminous efficacy = 140.7 lm/W	serial documentation 20.03.2024 

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 461 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=61 N2=87 N3=97 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.9%
ϕ_o	3.1%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Apollon® 31 Surface	Order number: 51MP25WM2441WA EAN: 4069025077981	LP number 59344_54
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°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	2.8	2.8
5°	459.4	459.1	459.2	459.1	459.1	458.9	459.2	21.9	24.7
10°	452.8	452.3	452.6	452.2	452.5	452.2	452.4	43.1	67.8
15°	442.1	441.3	442.0	441.6	442.2	441.7	442.0	62.7	130.4
20°	426.8	425.8	426.8	426.4	427.3	426.7	427.3	80.0	210.4
25°	405.3	404.1	405.7	405.3	406.7	406.0	406.9	94.0	304.4
30°	373.7	372.1	374.7	374.3	376.6	375.8	377.3	102.7	407.1
35°	329.4	327.4	330.7	330.2	332.9	331.2	333.4	104.0	511.1
40°	276.6	274.1	276.8	275.9	278.9	276.1	277.7	97.4	608.5
45°	222.9	219.6	220.9	219.3	222.4	217.7	218.2	85.3	693.8
50°	174.4	171.2	171.4	169.7	171.1	166.2	166.5	71.4	765.2
55°	133.1	129.8	129.4	127.3	127.2	122.9	123.6	57.2	822.4
60°	100.8	96.8	95.6	92.8	92.4	88.6	88.7	44.4	866.8
65°	76.9	72.2	70.3	66.6	66.9	62.9	62.1	33.8	900.6
70°	59.3	54.7	52.5	48.1	48.7	44.3	43.1	25.7	926.3
75°	45.5	41.8	39.8	34.7	34.7	30.6	29.6	19.3	945.7
80°	34.6	31.6	29.4	23.8	22.7	19.7	19.2	13.9	959.5
85°	22.2	20.2	18.0	13.5	12.3	10.0	9.8	8.2	967.7
90°	13.3	11.8	8.8	5.0	3.4	2.0	1.4	3.5	971.2
95°	12.6	11.5	8.3	4.7	2.9	1.3	1.0	3.2	974.5
100°	12.4	11.4	8.1	4.6	2.9	1.5	0.9	3.2	977.6
105°	11.8	10.9	7.8	4.6	2.9	1.5	0.8	3.0	980.6
110°	11.2	10.3	7.6	4.6	2.9	1.5	0.8	2.8	983.4
115°	10.7	9.8	7.6	4.9	2.9	1.5	0.8	2.7	986.1
120°	10.1	9.4	7.4	5.0	2.9	1.5	0.7	2.5	988.6
125°	9.4	8.7	7.1	4.9	3.0	1.5	0.7	2.3	990.9
130°	8.6	8.0	6.6	4.9	3.0	1.5	0.7	2.0	992.9
135°	7.8	7.3	6.3	4.7	2.9	1.4	0.6	1.7	994.6
140°	7.1	6.7	5.8	4.4	2.8	1.4	0.7	1.5	996.1
145°	6.4	6.1	5.2	4.0	2.7	1.5	0.8	1.2	997.3
150°	5.6	5.3	4.6	3.6	2.5	1.5	1.0	1.0	998.2
155°	4.8	4.5	4.0	3.2	2.2	1.5	1.1	0.7	998.9
160°	3.9	3.7	3.3	2.6	1.9	1.5	1.2	0.5	999.4
165°	3.1	2.9	2.7	2.2	1.8	1.5	1.3	0.3	999.7
170°	2.3	2.3	2.1	1.8	1.6	1.5	1.4	0.2	999.9
175°	1.8	1.7	1.6	1.5	1.5	1.5	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1000.0

Photometric test report

Family Apollon® 31 Surface	Order number: 51MP25WM2441WA EAN: 4069025077981	LP number 59344_54
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UGR-Table		Standard room									
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	16.0	17.5	16.3	17.8	18.1	15.9	17.4	16.2	17.7	18.0
	3H	16.9	18.3	17.3	18.6	19.0	16.6	18.0	17.0	18.3	18.7
	4H	17.4	18.7	17.8	19.1	19.4	16.9	18.2	17.3	18.5	18.9
	6H	17.9	19.1	18.3	19.5	19.9	17.1	18.3	17.6	18.7	19.1
	8H	18.2	19.3	18.6	19.7	20.1	17.3	18.4	17.7	18.8	19.2
	12H	18.4	19.5	18.9	19.8	20.3	17.4	18.4	17.8	18.8	19.2
4H	2H	16.3	17.6	16.7	18.0	18.4	16.3	17.6	16.7	17.9	18.3
	3H	17.5	18.6	17.9	19.0	19.4	17.2	18.3	17.6	18.7	19.1
	4H	18.1	19.1	18.5	19.5	19.9	17.6	18.6	18.0	19.0	19.4
	6H	18.8	19.6	19.2	20.1	20.5	18.0	18.8	18.4	19.3	19.7
	8H	19.1	19.9	19.6	20.3	20.8	18.1	18.9	18.6	19.3	19.8
	12H	19.4	20.1	19.9	20.5	21.0	18.3	19.0	18.8	19.4	19.9
8H	4H	18.3	19.1	18.8	19.5	20.0	17.8	18.6	18.3	19.1	19.5
	6H	19.1	19.8	19.6	20.2	20.7	18.3	19.0	18.8	19.4	19.9
	8H	19.5	20.1	20.0	20.6	21.1	18.5	19.1	19.0	19.6	20.1
	12H	20.0	20.4	20.5	20.9	21.5	18.8	19.2	19.3	19.7	20.3
12H	4H	18.3	19.0	18.8	19.5	20.0	17.9	18.6	18.4	19.0	19.5
	6H	19.2	19.7	19.7	20.2	20.7	18.4	19.0	18.9	19.5	20.0
	8H	19.6	20.1	20.1	20.6	21.1	18.7	19.2	19.2	19.7	20.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1236	H(C0) = 13	H(C180) = 13
						B = 200	H(C90) = 0	H(C270) = 0
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°		4549.6	4491.6	4545.5	4558.8	4683.0	4654.8	4743.5
50°		3871.5	3809.2	3840.3	3847.5	3938.4	3897.2	3982.8
55°		3264.1	3191.3	3208.7	3200.9	3256.6	3217.6	3311.4
60°		2786.6	2685.1	2677.5	2643.8	2688.7	2648.0	2725.6
65°		2455.8	2314.7	2280.3	2206.5	2275.0	2207.7	2259.8
70°		2261.1	2095.0	2043.3	1918.8	2009.7	1904.7	1937.0
75°		2175.6	2011.2	1955.5	1757.7	1837.1	1711.5	1756.6
80°		2236.0	2065.2	1973.4	1669.5	1696.7	1592.5	1697.7
85°		2241.6	2069.7	1930.3	1563.7	1581.3	1484.8	1730.2

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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

