Photometric test report

Family
Apollon® rectangular



Order number: 51MP26WD2M42W
EAN: 4069025343895

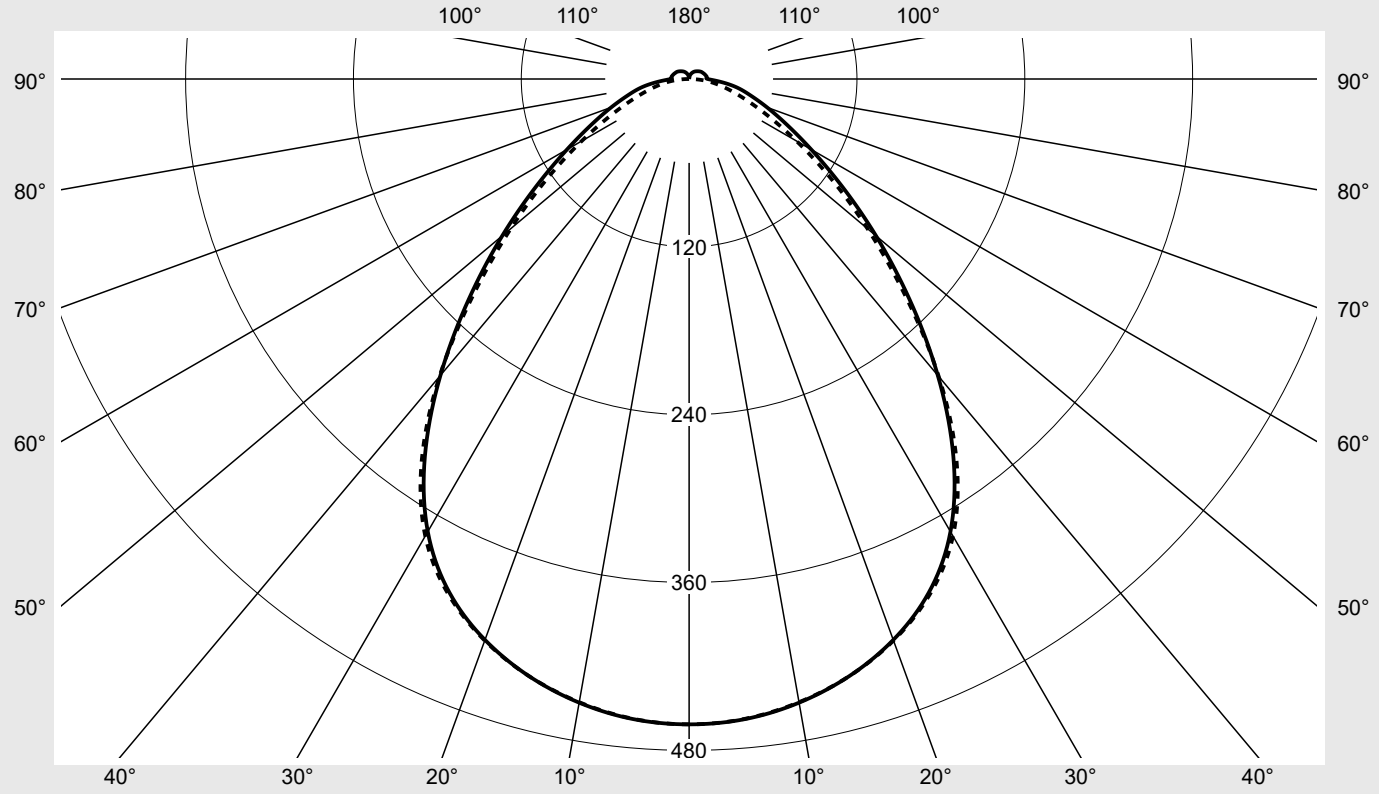
LP number
59344_122

serial documentation
20.05.2026

Version	surface-mounted and suspended luminaire, microprismatic optics, wide distribution, UGR≤22, adjustable color temperature: 3000 K | 3500 K | 4000K
Lamps	LED 4000 K | CRI ≥ 80
Controlgear	ECG Multilumen
Setting	factory setting: DIP-Step=10, colour temperature 4000K
Rated values	Net luminous flux = 8000 lm Power consumption = 57.0 W Luminous efficacy = 140.4 lm/W

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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

ηLB	100.0%
ϕ_u	96.9%
ϕ_o	3.1%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities

Maximum luminous intensity

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°	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

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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	17.8	19.3	18.2	19.7	20.0	17.7	19.3	18.1	19.6	19.9
	3H	18.8	20.1	19.1	20.5	20.8	18.4	19.8	18.8	20.1	20.5
	4H	19.2	20.5	19.6	20.9	21.3	18.7	20.0	19.1	20.4	20.7
	6H	19.8	20.9	20.2	21.3	21.7	19.0	20.2	19.4	20.5	20.9
	8H	20.1	21.1	20.5	21.5	21.9	19.1	20.2	19.6	20.6	21.0
	12H	20.3	21.3	20.7	21.7	22.1	19.2	20.3	19.7	20.6	21.1
4H	2H	18.2	19.5	18.6	19.8	20.2	18.1	19.4	18.5	19.8	20.1
	3H	19.3	20.4	19.7	20.8	21.2	19.0	20.1	19.4	20.5	20.9
	4H	19.9	20.9	20.4	21.3	21.8	19.4	20.4	19.9	20.8	21.3
	6H	20.6	21.5	21.1	21.9	22.3	19.8	20.7	20.3	21.1	21.6
	8H	20.9	21.7	21.4	22.2	22.6	20.0	20.7	20.4	21.2	21.7
	12H	21.3	21.9	21.7	22.4	22.9	20.1	20.8	20.6	21.3	21.7
8H	4H	20.1	20.9	20.6	21.4	21.8	19.7	20.4	20.1	20.9	21.4
	6H	20.9	21.6	21.4	22.1	22.6	20.2	20.8	20.7	21.3	21.8
	8H	21.4	21.9	21.9	22.4	22.9	20.4	21.0	20.9	21.4	22.0
	12H	21.8	22.3	22.3	22.8	23.3	20.6	21.1	21.1	21.6	22.1
12H	4H	20.2	20.8	20.6	21.3	21.8	19.7	20.4	20.2	20.9	21.4
	6H	21.0	21.6	21.5	22.0	22.6	20.3	20.8	20.8	21.3	21.8
	8H	21.5	21.9	22.0	22.4	23.0	20.5	21.0	21.0	21.5	22.0

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: L = 1534, B = 200, H(C0) = 13, H(C90) = 0, H(C180) = 13, H(C270) = 0

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°
γ	Luminance in cd/m²						
45°	7717.4	7619.1	7710.5	7733.1	7943.8	7895.9	8046.4
50°	6567.1	6461.6	6514.3	6526.5	6680.7	6610.8	6756.0
55°	5536.8	5413.4	5442.9	5429.6	5524.2	5457.9	5617.0
60°	4726.9	4554.7	4541.7	4484.7	4560.9	4491.7	4623.4
65°	4165.7	3926.3	3868.0	3742.8	3859.0	3745.0	3833.2
70°	3835.5	3553.7	3465.9	3254.8	3409.0	3231.0	3285.6
75°	3690.5	3411.6	3317.1	2981.5	3116.3	2903.1	2979.7
80°	3792.8	3503.2	3347.5	2832.0	2878.1	2701.4	2879.8
85°	3802.5	3510.8	3274.4	2652.4	2682.3	2518.6	2935.0

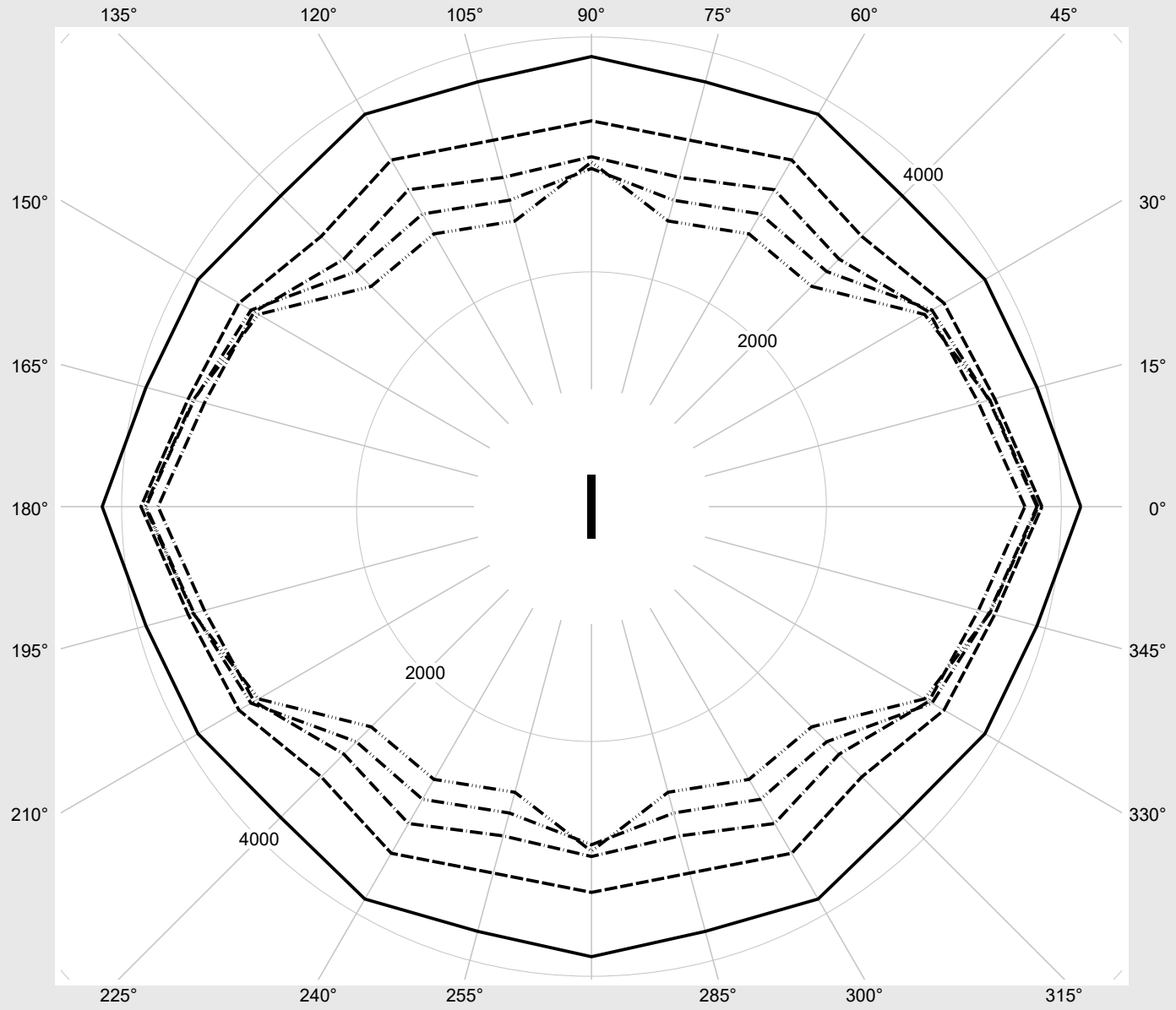
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Luminance values in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°

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Multilumen Table

environmental temperature: 25°C

DIP-Step	Switch Setting 1	2	3	4	Luminous flux [lm]	Power consumption [W]
10	**OFF**	**ON**	**OFF**	**ON**	8000	57.0
11	**ON**	**ON**	**OFF**	**ON**	7000	48.0
12	**OFF**	**OFF**	**ON**	**ON**	5900	40.0
13	**ON**	**OFF**	**ON**	**ON**	4800	32.0