

## Photometric test report

Family  
**APOLLON®**

Order number: **5MQ141D24W1**  
EAN: **4058352259245**

LP number  
**58906\_5**



**Version** recessed luminaire for lay-in mounting, linear  
M625, microprismatic optics

**Lamps** LED 4000 K | CRI ≥ 80

**Controlgear** ECG-DALI

**Rated values** Net luminous flux = 2400 lm  
Power consumption = 23.0 W  
Luminous efficacy = 104.3 lm/W

serial  
documentation  
**08.03.2019**

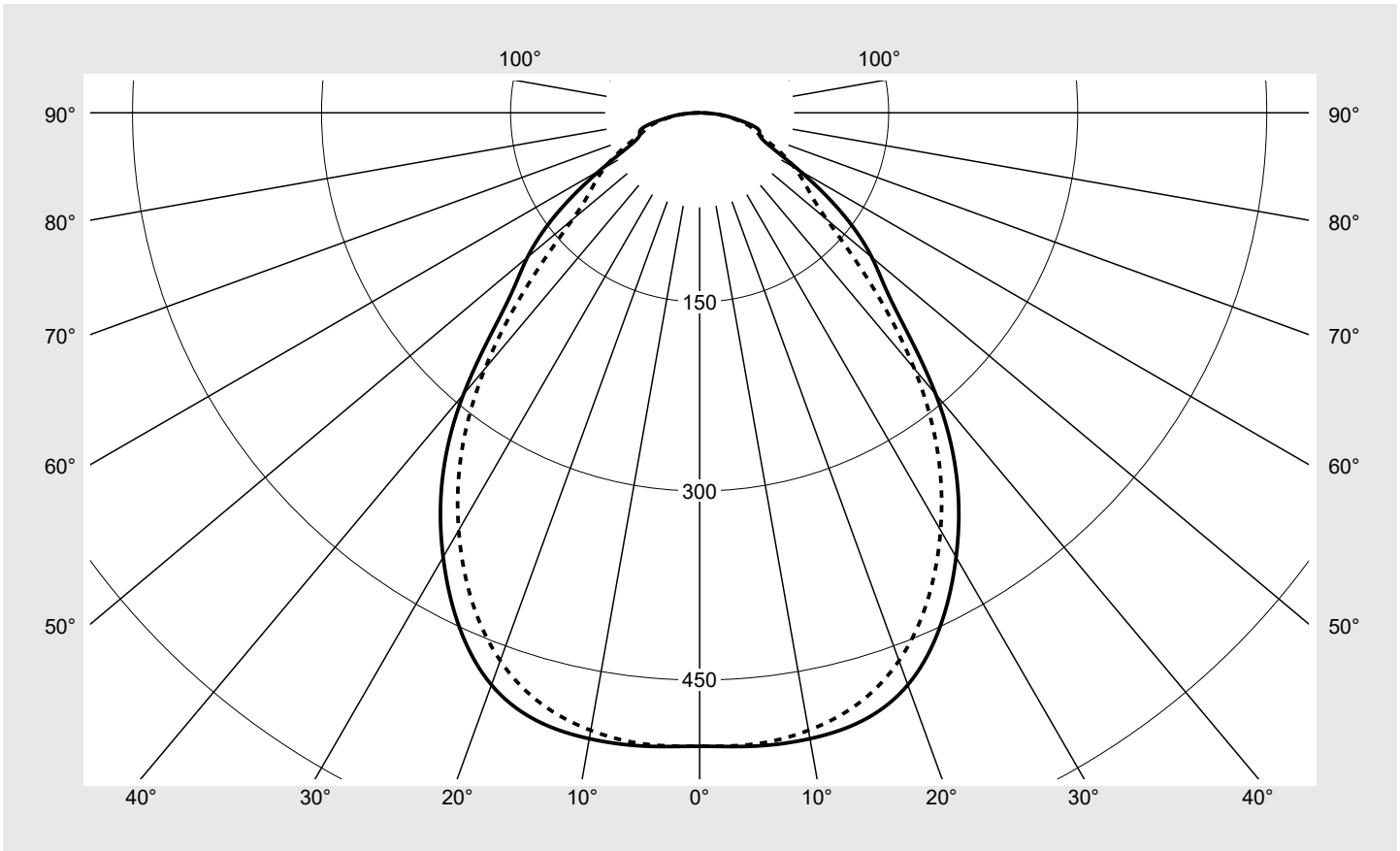
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 504 cd/klm



### Classifications

DIN 5040 A 5 0  
CIE N1=62 N2=87 N3=97  
N4=100 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>APOLLON®</b>	Order number: <b>5MQ141D24W1</b> EAN: <b>4058352259245</b>	LP number <b>58906_5</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes $\gamma$	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°	502.6	502.6	502.6	502.6	502.6	502.6	502.6	3.0	3.0
5°	504.3	502.7	500.1	500.5	502.0	502.7	502.7	24.0	27.0
10°	504.2	502.2	498.6	497.7	497.9	497.7	497.5	47.5	74.5
15°	499.3	496.8	491.9	489.1	487.4	486.1	485.4	69.6	144.1
20°	483.0	479.9	474.0	469.3	466.0	463.7	462.6	88.3	232.4
25°	450.8	447.0	440.5	435.5	432.1	429.1	427.5	101.3	333.7
30°	407.0	402.1	395.2	391.2	388.7	384.9	382.4	107.7	441.3
35°	356.1	350.4	343.1	339.8	338.4	332.9	329.6	107.3	548.6
40°	291.5	283.9	276.5	274.3	275.8	268.4	265.1	97.3	645.9
45°	219.2	206.4	198.0	205.1	212.1	200.1	192.3	79.3	725.2
50°	178.5	160.1	133.5	159.7	171.3	155.9	131.7	65.5	790.7
55°	136.8	129.6	107.0	124.4	127.8	124.2	104.5	54.9	845.6
60°	91.2	103.1	93.0	95.9	82.4	97.5	86.9	44.4	890.0
65°	60.4	78.3	74.2	75.9	56.8	76.4	67.3	35.2	925.2
70°	50.6	58.9	54.0	60.4	50.9	58.2	50.3	28.6	953.7
75°	47.1	44.1	42.6	42.8	44.9	41.2	41.2	22.9	976.7
80°	30.3	27.6	30.2	26.9	29.4	26.0	28.1	15.2	991.9
85°	15.5	14.4	14.0	15.0	15.8	14.8	14.4	8.1	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 <b>APOLLON®</b>	Order number: <b>5MQ141D24W1</b> EAN: <b>4058352259245</b>	LP number <b>58906_5</b>
---------------------------	---	-----------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	16.5	18.0	16.8	18.3	18.6	16.2	17.7	16.5	18.0	18.4
	3H	17.5	18.9	17.9	19.2	19.6	17.3	18.7	17.7	19.0	19.4
	4H	18.1	19.4	18.5	19.8	20.1	17.8	19.1	18.2	19.5	19.9
	6H	18.7	19.8	19.1	20.2	20.6	18.3	19.5	18.7	19.9	20.3
	8H	18.9	20.0	19.4	20.4	20.8	18.6	19.7	19.0	20.0	20.4
	12H	19.1	20.1	19.5	20.5	20.9	18.7	19.8	19.2	20.2	20.6
4H	2H	16.9	18.2	17.3	18.6	19.0	16.7	17.9	17.0	18.3	18.7
	3H	18.2	19.3	18.6	19.7	20.1	18.0	19.1	18.4	19.5	19.9
	4H	18.9	19.9	19.4	20.3	20.8	18.7	19.7	19.1	20.1	20.5
	6H	19.6	20.5	20.1	20.9	21.4	19.3	20.2	19.8	20.6	21.0
	8H	19.9	20.7	20.4	21.1	21.6	19.6	20.3	20.0	20.8	21.3
	12H	20.2	20.8	20.6	21.3	21.8	19.8	20.5	20.3	21.0	21.5
8H	4H	19.2	20.0	19.7	20.5	20.9	19.0	19.8	19.5	20.2	20.7
	6H	20.1	20.7	20.6	21.2	21.7	19.8	20.5	20.3	20.9	21.4
	8H	20.4	21.0	20.9	21.5	22.0	20.2	20.7	20.7	21.2	21.7
	12H	20.8	21.2	21.3	21.7	22.3	20.5	21.0	21.0	21.5	22.0
12H	4H	19.3	20.0	19.8	20.4	20.9	19.1	19.8	19.6	20.2	20.7
	6H	20.2	20.7	20.7	21.2	21.7	19.9	20.5	20.4	21.0	21.5
	8H	20.6	21.0	21.1	21.5	22.1	20.3	20.8	20.9	21.3	21.8

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1180</b> <b>B = 115</b>
------------------------	---	--------------------------------------	-----------------------------------

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		5481.9	5162.7	4953.5	5129.1	5304.0	5005.0	4808.8	
50°		4910.1	4403.9	3674.2	4394.3	4712.8	4289.0	3624.3	
55°		4218.5	3997.6	3298.7	3835.4	3941.2	3830.3	3220.7	
60°		3224.3	3645.3	3288.7	3390.6	2913.8	3447.6	3074.3	
65°		2526.6	3275.5	3103.2	3177.5	2378.3	3196.5	2815.8	
70°		2615.7	3044.1	2792.5	3122.8	2630.0	3010.9	2598.8	
75°		3216.9	3016.5	2910.4	2927.2	3069.0	2816.0	2812.0	
80°		3084.5	2808.6	3079.1	2743.2	2993.3	2648.2	2859.5	
85°		3153.0	2921.3	2845.6	3034.9	3198.5	3010.6	2913.8	

**Photometric test report**

<b>Family</b> <b>APOLLON®</b>	<b>Order number: 5MQ141D24W1</b> <b>EAN: 4058352259245</b>	<b>LP number</b> <b>58906_5</b>
----------------------------------	---	------------------------------------

**Luminance values in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

