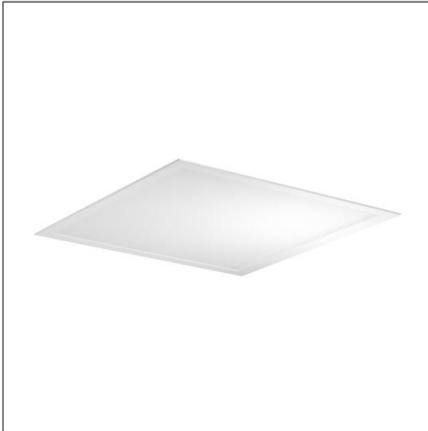


## Photometric test report

Family  
Apollon® 31

Order number: **51MP11W72442**  
EAN: **4058352926062**

LP number  
**59516\_3**



**Version** recessed luminaire for lay-in mounting, square M625, wide distribution, UGR≤19 (L65≤3000cd/m²)  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG  
**Rated values** Net luminous flux = 4000 lm  
Power consumption = 27.5 W  
Luminous efficacy = 145.5 lm/W

serial  
documentation  
11.12.2023

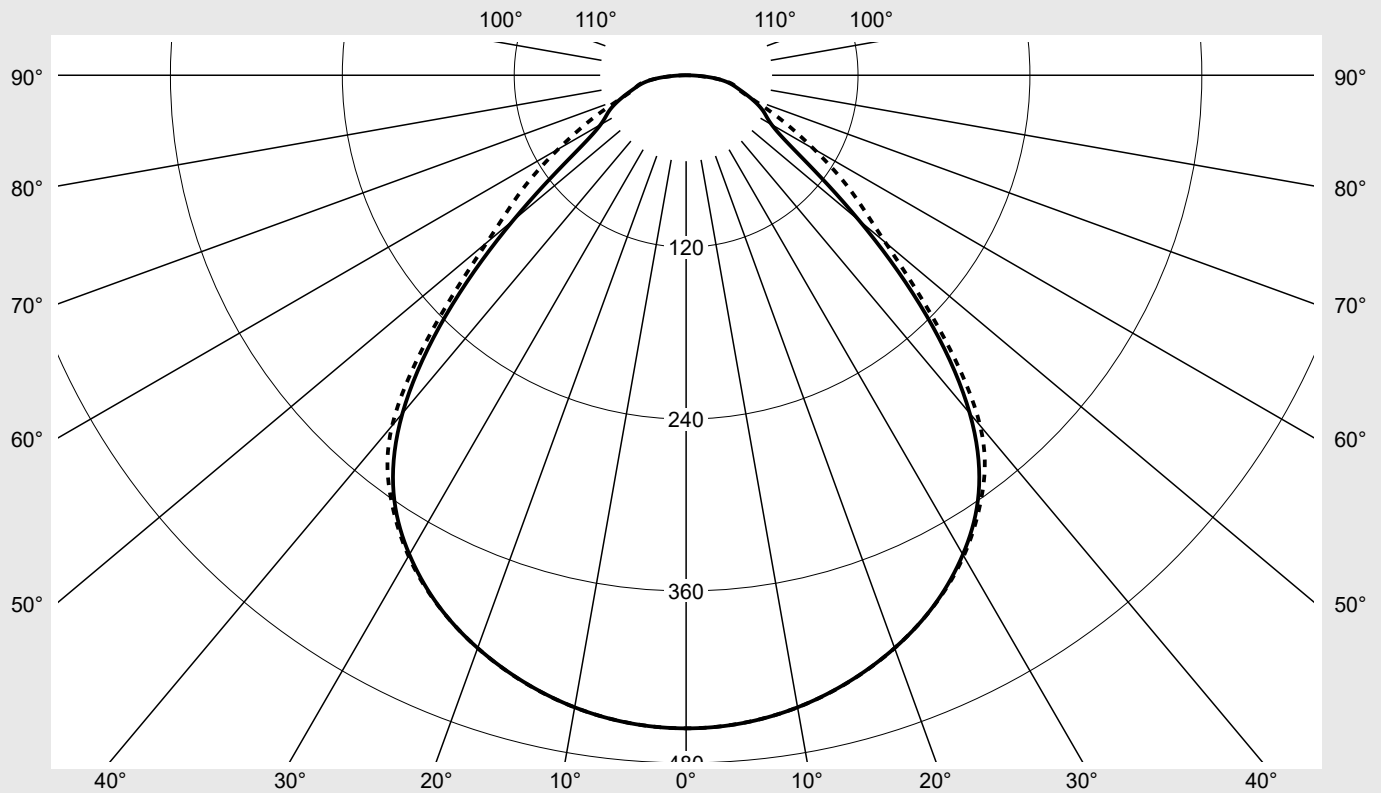
sITECO

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 456 cd/klm



#### Classifications

DIN 5040 A 5 0  
CIE N1=61 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

<b>Family</b> Apollon® 31	<b>Order number: 51MP11W72442</b> <b>EAN: 4058352926062</b>	<b>LP number</b> 59516_3
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Luminous intensity in cd/klm						
0°	455.9	455.9	455.9	455.9	455.9	455.9	455.9
5°	454.0	453.9	453.9	453.9	453.9	453.9	453.9
10°	448.0	448.0	448.0	448.1	448.1	448.1	448.1
15°	438.4	438.3	438.4	438.5	438.5	438.6	438.5
20°	425.5	425.3	425.3	425.5	425.7	425.7	425.5
25°	408.8	408.7	408.7	408.8	409.0	409.1	408.9
30°	386.3	386.6	386.8	387.0	387.1	387.3	387.6
35°	356.0	357.3	358.0	358.0	357.9	358.4	359.6
40°	308.0	312.5	314.7	314.8	313.9	315.4	319.3
45°	237.4	240.4	242.0	242.0	242.8	245.2	249.3
50°	157.6	168.1	171.3	167.4	163.5	168.2	181.5
55°	95.3	119.8	128.0	119.9	107.7	114.5	140.2
60°	69.0	89.0	96.4	91.3	79.3	83.2	102.9
65°	59.5	68.4	72.7	72.3	65.8	66.0	72.9
70°	49.1	51.9	54.5	56.9	54.9	52.5	49.7
75°	38.5	40.5	42.0	43.2	41.8	40.0	37.8
80°	30.1	29.9	29.5	28.8	29.4	30.3	31.5
85°	16.8	15.8	15.0	14.4	15.2	15.6	15.7
90°	0.6	0.6	0.5	0.3	0.3	0.3	0.3
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Photometric test report

Family <b>Apollon® 31</b>	Order number: <b>51MP11W72442</b> EAN: <b>4058352926062</b>	LP number <b>59516_3</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>sITeco</b>

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	455.9	455.9	455.9	455.9	455.9	455.9	2.7	2.7
5°	453.9	453.9	453.9	453.9	453.9	454.0	21.7	24.4
10°	448.1	448.1	448.1	448.0	448.0	448.0	42.6	67.1
15°	438.6	438.5	438.5	438.4	438.3	438.4	62.2	129.3
20°	425.7	425.7	425.5	425.3	425.3	425.5	79.8	209.0
25°	409.1	409.0	408.8	408.7	408.7	408.8	94.7	303.7
30°	387.3	387.1	387.0	386.8	386.6	386.3	106.1	409.8
35°	358.4	357.9	358.0	358.0	357.3	356.0	112.5	522.3
40°	315.4	313.9	314.8	314.7	312.5	308.0	110.7	633.0
45°	245.2	242.8	242.0	242.0	240.4	237.4	94.0	727.0
50°	168.2	163.5	167.4	171.3	168.1	157.6	70.5	797.6
55°	114.5	107.7	119.9	128.0	119.8	95.3	53.0	850.5
60°	83.2	79.3	91.3	96.4	89.0	69.0	41.5	892.1
65°	66.0	65.8	72.3	72.7	68.4	59.5	34.1	926.1
70°	52.5	54.9	56.9	54.5	51.9	49.1	27.5	953.6
75°	40.0	41.8	43.2	42.0	40.5	38.5	21.7	975.3
80°	30.3	29.4	28.8	29.5	29.9	30.1	16.1	991.4
85°	15.6	15.2	14.4	15.0	15.8	16.8	8.4	999.8
90°	0.3	0.3	0.3	0.5	0.6	0.6	0.2	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

## Photometric test report

<b>Family</b> Apollon® 31	<b>Order number: 51MP11W72442</b> <b>EAN: 4058352926062</b>	<b>LP number</b> 59516_3
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	15.4	16.9	15.7	17.2	17.6	15.5	17.0	15.8	17.3	17.6
	3H	16.3	17.6	16.6	18.0	18.3	16.4	17.7	16.7	18.1	18.4
	4H	16.7	18.0	17.1	18.4	18.8	16.8	18.1	17.2	18.5	18.8
	6H	17.3	18.5	17.7	18.8	19.2	17.3	18.5	17.8	18.9	19.3
	8H	17.5	18.7	18.0	19.0	19.4	17.6	18.8	18.0	19.1	19.5
	12H	17.8	18.8	18.2	19.2	19.6	17.9	18.9	18.3	19.3	19.7
4H	2H	15.8	17.1	16.2	17.5	17.8	15.9	17.2	16.3	17.5	17.9
	3H	16.9	18.0	17.4	18.4	18.8	17.0	18.1	17.4	18.5	18.9
	4H	17.6	18.6	18.0	19.0	19.4	17.6	18.6	18.1	19.0	19.5
	6H	18.3	19.1	18.8	19.6	20.0	18.4	19.2	18.8	19.6	20.1
	8H	18.6	19.4	19.1	19.9	20.3	18.7	19.5	19.2	19.9	20.4
	12H	18.9	19.6	19.4	20.1	20.6	19.0	19.7	19.5	20.1	20.6
8H	4H	17.9	18.7	18.4	19.1	19.6	18.0	18.7	18.4	19.2	19.7
	6H	18.8	19.4	19.3	19.9	20.4	18.8	19.5	19.3	20.0	20.5
	8H	19.2	19.8	19.7	20.3	20.8	19.3	19.9	19.8	20.3	20.9
	12H	19.6	20.1	20.2	20.6	21.2	19.7	20.1	20.2	20.6	21.2
12H	4H	18.0	18.7	18.5	19.1	19.6	18.0	18.7	18.5	19.2	19.7
	6H	18.9	19.5	19.4	19.9	20.5	19.0	19.5	19.5	20.0	20.5
	8H	19.4	19.9	19.9	20.4	20.9	19.4	19.9	20.0	20.4	21.0

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 555</b>	<b>B = 555</b>
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C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
$\gamma$	Luminance in cd/m <sup>2</sup>												
45°	4359.0	4415.3	4443.9	4444.8	4459.3	4503.7	4578.0	4503.7	4459.3	4444.8	4443.9	4415.3	4359.0
50°	3184.2	3395.0	3460.7	3381.3	3302.2	3397.6	3667.6	3397.6	3302.2	3381.3	3460.7	3395.0	3184.2
55°	2158.3	2713.1	2898.8	2715.6	2438.5	2591.2	3173.8	2591.2	2438.5	2715.6	2898.8	2713.1	2158.3
60°	1790.9	2310.4	2503.5	2370.2	2060.6	2161.6	2673.3	2161.6	2060.6	2370.2	2503.5	2310.4	1790.9
65°	1828.1	2102.5	2233.2	2220.2	2020.8	2027.8	2241.4	2027.8	2020.8	2220.2	2233.2	2102.5	1828.1
70°	1862.5	1970.6	2069.9	2160.6	2085.8	1994.1	1885.4	1994.1	2085.8	2160.6	2069.9	1970.6	1862.5
75°	1933.6	2029.7	2108.1	2168.8	2098.2	2006.9	1895.0	2006.9	2098.2	2168.8	2108.1	2029.7	1933.6
80°	2249.6	2239.4	2207.3	2153.2	2196.9	2263.6	2353.1	2263.6	2196.9	2153.2	2207.3	2239.4	2249.6
85°	2506.1	2360.7	2241.2	2147.6	2257.3	2322.7	2343.9	2322.7	2257.3	2147.6	2241.2	2360.7	2506.1

**Photometric test report**

<b>Family</b> <b>Apollon® 31</b>	<b>Order number: 51MP11W72442</b> <b>EAN: 4058352926062</b>	<b>LP number</b> <b>59516_3</b>
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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