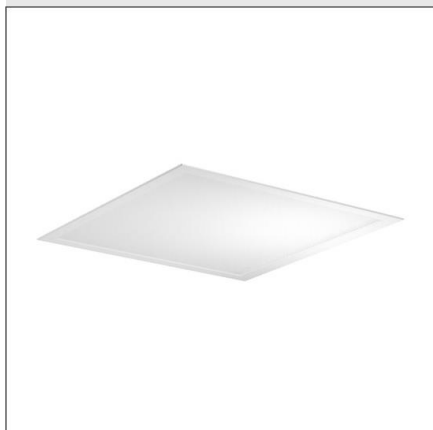


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11W72442
EAN: 4058352926062

LP-Nummer
59516_3



Ausführung Einbauleuchte für Einlegemontage, quadratisch
M625, breit strahlend, UGR≤19
($L65 \leq 3000 \text{ cd/m}^2$)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG

Bemessungswerte Nettolichtstrom = 4000 lm
Systemleistung = 27.5 W
Lichtausbeute = 145.5 lm/W

Seriendokumentation
11.12.2023

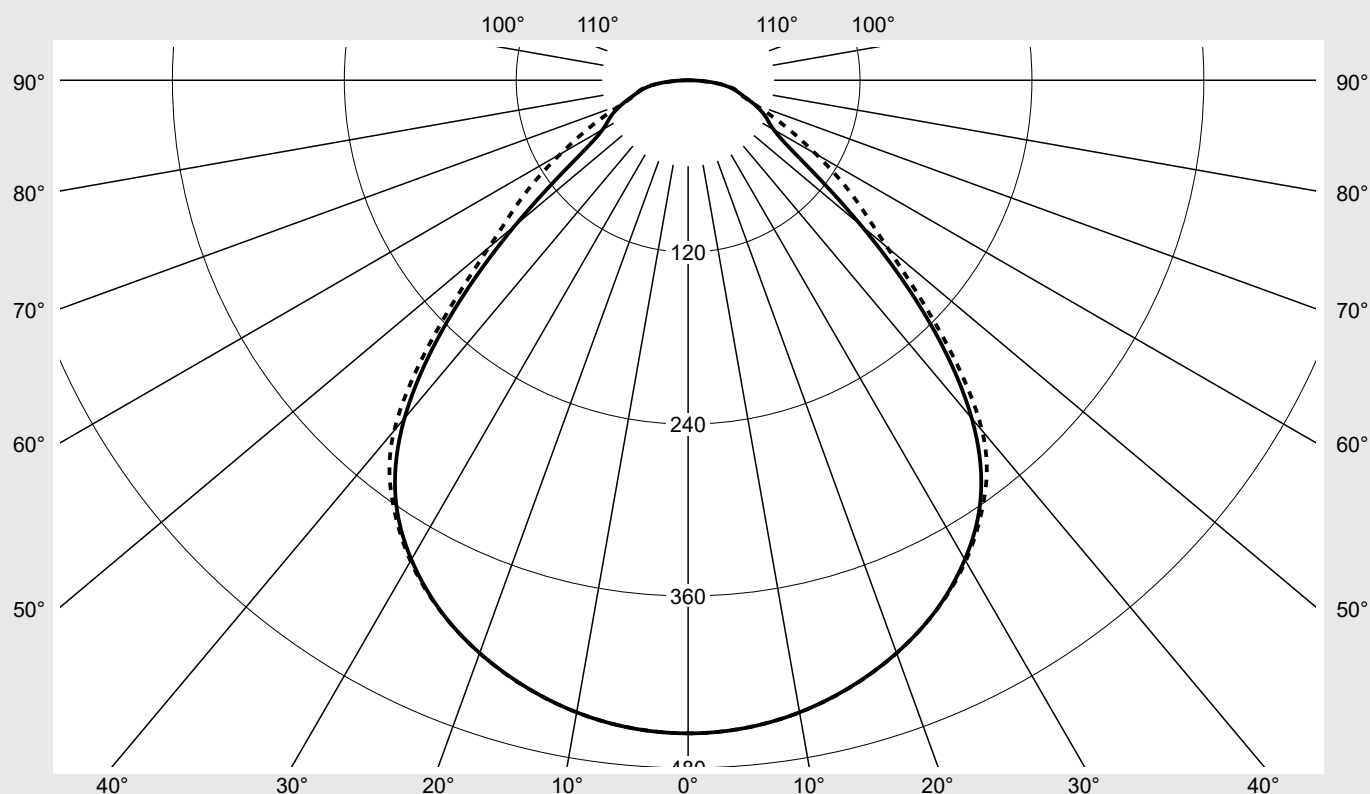
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 456 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=61 N2=87 N3=97
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11W72442 EAN: 4058352926062	LP-Nummer 59516_3
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke 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

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11W72442 EAN: 4058352926062	LP-Nummer 59516_3
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
sitEco		

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom 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

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11W72442 EAN: 4058352926062	LP-Nummer 59516_3
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
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

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 555 B = 555											
		Max. für $\gamma \geq 65^\circ$											
C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Leuchtdichte in cd/m²												
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

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11W72442 EAN: 4058352926062	LP-Nummer 59516_3
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

