

Lichttechnischer Prüfbefund

Familie
Highbay 11

Bestell-Nr.: 51HLA1D34SCA + 59HL91001
EAN: 4058352322949 + 4058352323519

LP-Nummer
58920_5

Ausführung eng strahlend, UGR≤22,
Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 46860 lm
Systemleistung = 284.4 W
Lichtausbeute = 164.8 lm/W

Seriendokumentation
13.06.2019

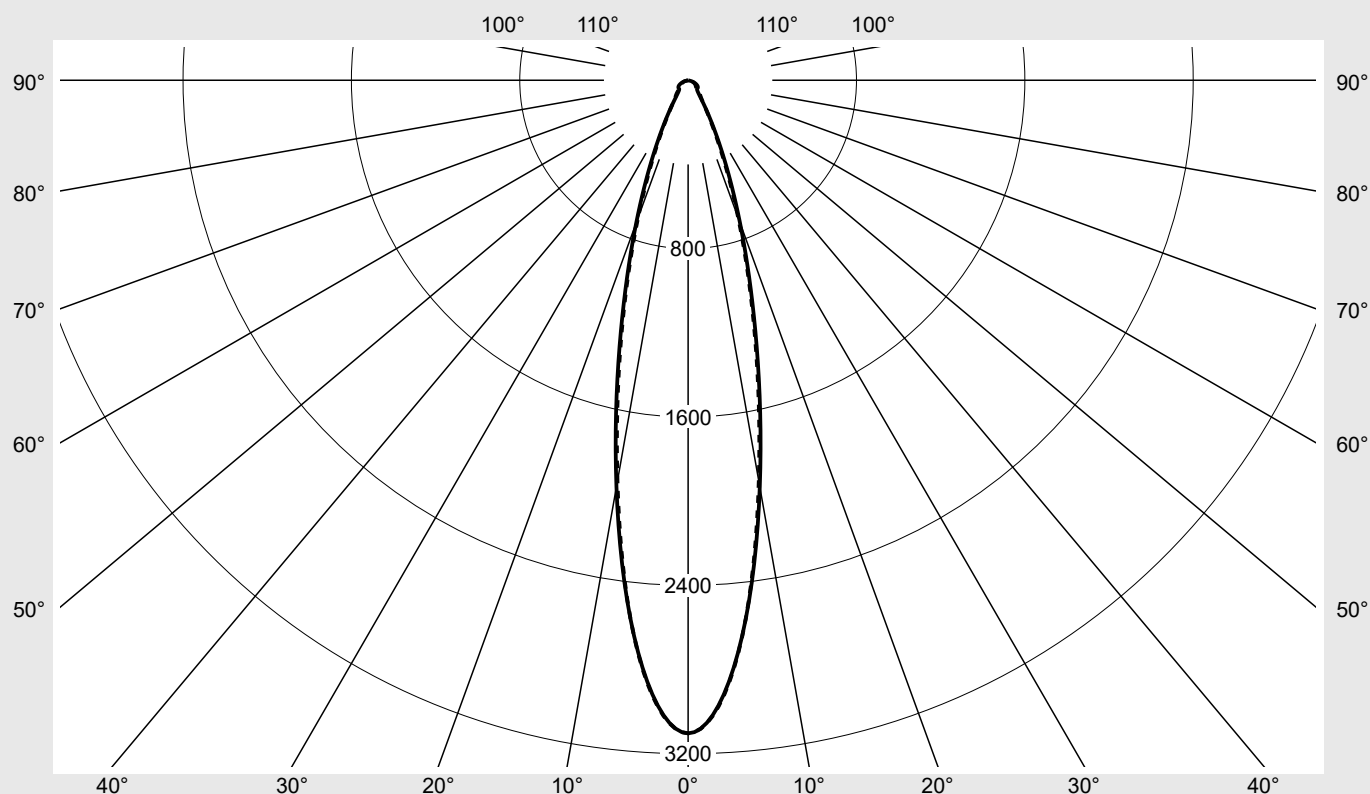
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 3103 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=85 N2=94 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeCO
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C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm										
Lichtstrom in lm/klm										
0°	3103.3	3103.3	3103.3	3103.3	3103.3	3103.3	3103.3	18.6	18.6	
5°	2728.1	2725.7	2734.5	2735.8	2731.2	2739.6	2732.7	130.6	149.1	
10°	1961.3	1955.1	1962.7	1959.8	1944.6	1940.4	1933.3	185.8	334.9	
15°	1234.5	1231.5	1237.4	1233.6	1223.5	1217.2	1209.8	174.2	509.0	
20°	720.2	721.2	730.7	731.8	720.5	706.3	696.1	134.9	644.0	
25°	391.5	395.5	407.7	412.0	396.6	377.5	368.6	91.5	735.4	
30°	203.6	206.8	216.0	219.0	212.4	200.7	194.3	57.3	792.7	
35°	109.3	109.5	113.4	118.8	120.5	117.6	115.6	36.3	829.0	
40°	71.8	72.6	76.4	83.5	87.0	87.1	87.3	28.5	857.5	
45°	59.8	60.1	64.9	71.1	68.6	64.2	62.9	25.2	882.8	
50°	58.8	60.0	64.4	66.4	57.1	49.4	48.5	24.6	907.3	
55°	56.5	57.6	60.7	58.9	51.3	43.9	43.6	24.1	931.5	
60°	50.4	50.7	52.1	52.2	45.2	38.5	38.0	22.4	953.8	
65°	40.7	40.4	41.4	42.5	37.1	32.0	31.7	19.0	972.8	
70°	28.4	28.2	29.2	30.2	27.5	24.4	24.3	14.2	987.1	
75°	15.1	15.6	16.5	18.0	16.8	16.4	16.8	8.8	995.8	
80°	5.3	5.6	6.2	6.9	7.4	7.5	9.1	3.7	999.5	
85°	0.5	0.5	0.6	0.8	1.1	1.3	1.8	0.5	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	

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,0	20,2	19,4	20,5	20,8	18,0	19,1	18,3	19,5	19,8
	3H	20,5	21,5	20,9	21,8	22,2	19,4	20,4	19,7	20,7	21,1
	4H	20,8	21,8	21,2	22,1	22,5	19,9	20,8	20,3	21,2	21,6
	6H	20,9	21,8	21,4	22,2	22,6	20,2	21,1	20,6	21,4	21,8
	8H	21,0	21,7	21,4	22,1	22,5	20,4	21,1	20,8	21,5	21,9
	12H	21,0	21,6	21,4	22,0	22,4	20,4	21,0	20,8	21,4	21,8
4H	2H	19,7	20,7	20,1	21,0	21,4	19,0	19,9	19,4	20,3	20,7
	3H	21,3	22,1	21,7	22,5	22,9	20,5	21,2	20,9	21,6	22,0
	4H	21,7	22,4	22,1	22,8	23,3	21,0	21,7	21,5	22,1	22,6
	6H	21,8	22,4	22,3	22,9	23,3	21,3	21,9	21,8	22,4	22,9
	8H	21,8	22,3	22,3	22,8	23,3	21,4	22,0	21,9	22,4	22,9
	12H	21,8	22,2	22,3	22,7	23,2	21,4	21,9	21,9	22,3	22,8
8H	4H	21,9	22,4	22,3	22,8	23,3	21,3	21,8	21,7	22,2	22,7
	6H	22,0	22,4	22,5	22,9	23,4	21,6	22,1	22,1	22,5	23,1
	8H	22,0	22,4	22,5	22,9	23,4	21,7	22,1	22,2	22,6	23,1
	12H	21,9	22,3	22,5	22,8	23,3	21,7	22,0	22,2	22,5	23,1
12H	4H	21,9	22,3	22,4	22,8	23,3	21,2	21,7	21,7	22,2	22,7
	6H	22,0	22,4	22,5	22,8	23,4	21,6	22,0	22,1	22,5	23,0
	8H	22,0	22,3	22,5	22,8	23,3	21,7	22,0	22,2	22,5	23,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: L = 885, B = 312

C-Ebenen	γ	Leuchtdichte 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°		14352.0	14435.3	15572.9	17060.7	16461.2	15417.7	15088.8
50°		15518.0	15835.9	16992.1	17536.2	15085.1	13055.0	12800.7
55°		16713.9	17029.9	17969.3	17435.2	15164.4	12990.5	12908.0
60°		17089.7	17222.4	17697.2	17707.4	15348.5	13062.8	12894.1
65°		16326.0	16237.3	16641.3	17065.7	14891.2	12843.7	12719.6
70°		14111.8	14002.6	14472.5	14983.1	13620.6	12121.1	12080.9
75°		9882.8	10200.1	10844.7	11804.0	11036.8	10756.8	11036.8
80°		5223.7	5441.7	6050.6	6712.2	7239.9	7303.5	8850.6
85°		895.7	899.6	1102.1	1514.9	2169.2	2617.0	3557.5

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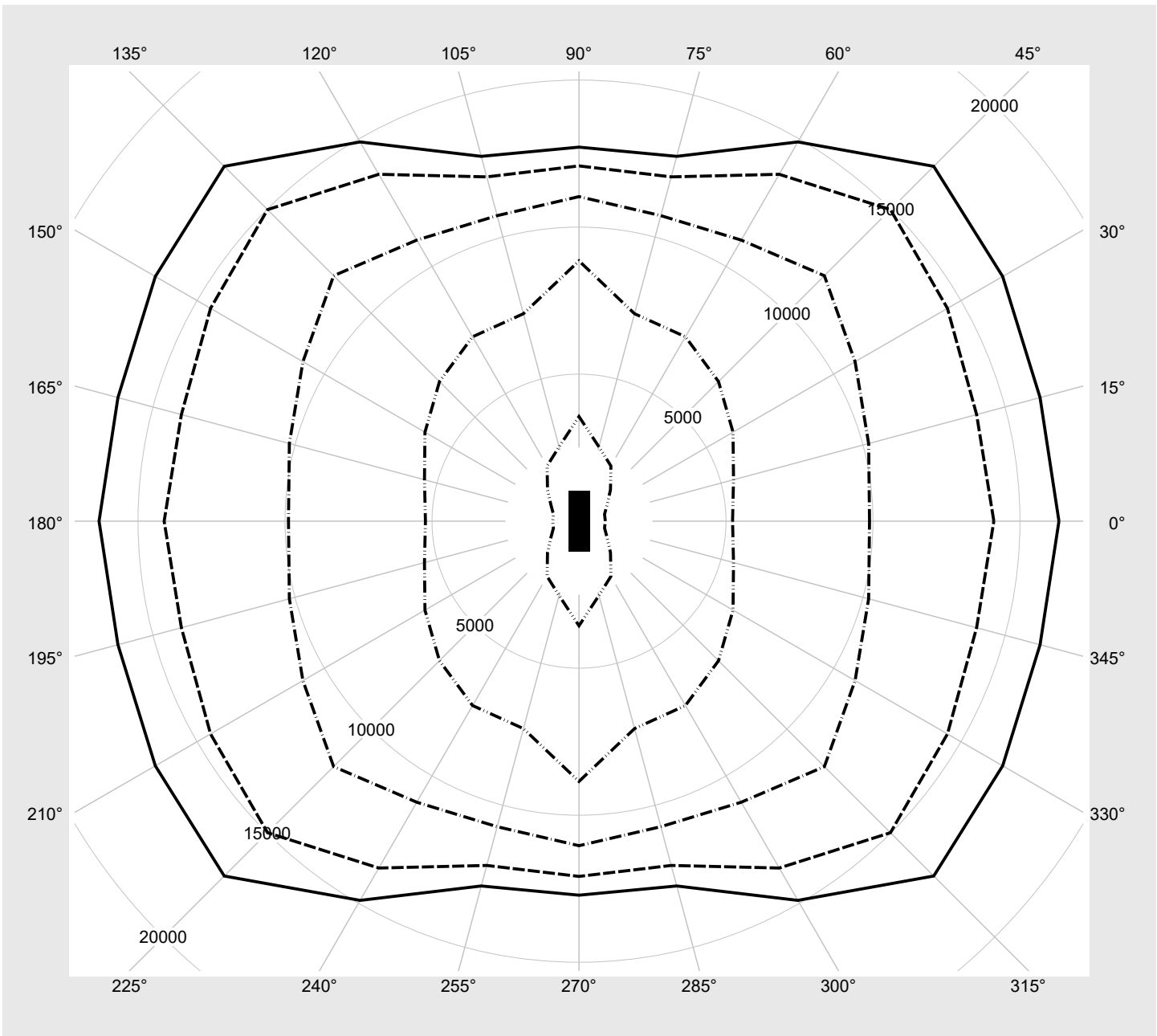
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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	46860	284.4
95	240	252	44517	269.1
90	227	250	42174	253.8
85	213	248	39831	238.4
80	200	245	37488	223.3
75	187	243	35145	209.0
70	174	240	32802	194.4
65	161	237	30459	180.2
60	148	234	28116	166.3
55	135	231	25773	152.2
50	123	228	23430	138.5
45	110	224	21087	124.8
40	98	220	18744	111.5
35	85	215	16401	98.3
30	73	210	14058	85.3
25	61	204	11715	72.7
20	49	197	9372	59.8
15	37	188	7029	47.3
10	25	177	4685	34.6