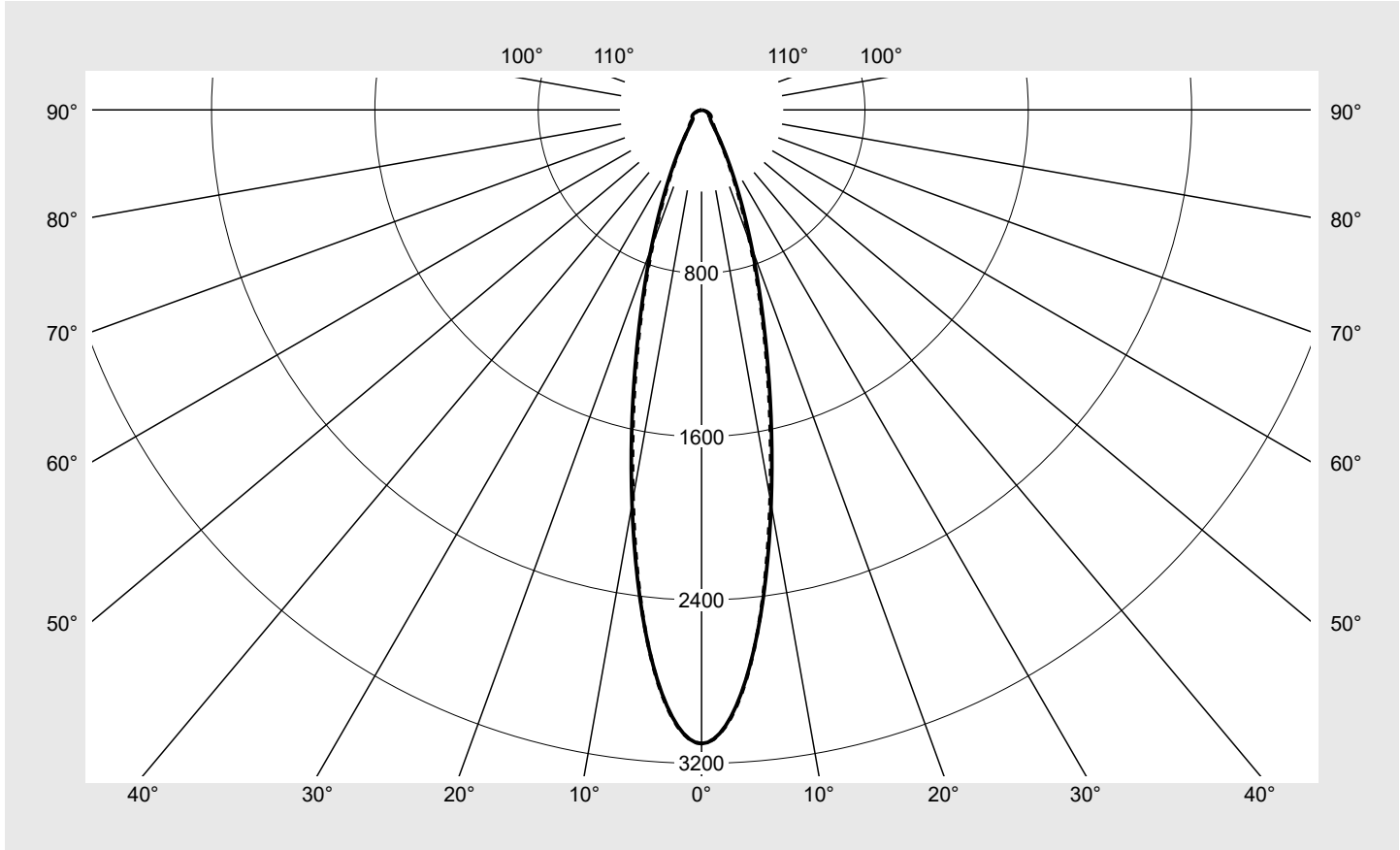


Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D24NCA + 59HL91001 EAN: 4058352322932 + 4058352323519	LP-Nummer 58920_4
Ausführung	eng strahlend, UGR≤22, Einscheibensicherheitsglas (ESG)	Seriendokumentation 13.06.2019
Bestückung	LED 4000 K CRI ≥ 80	
Betriebsgerät	EVG-DALI	
Bemessungswerte	Nettolichtstrom = 31240 lm Systemleistung = 189.6 W Lichtausbeute = 164.8 lm/W	

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

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D24NCA + 59HL91001 EAN: 4058352322932 + 4058352323519	LP-Nummer 58920_4
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeCO

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	

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D24NCA + 59HL91001 EAN: 4058352322932 + 4058352323519	LP-Nummer 58920_4
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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 = 590, 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

Lichttechnischer Prüfbefund

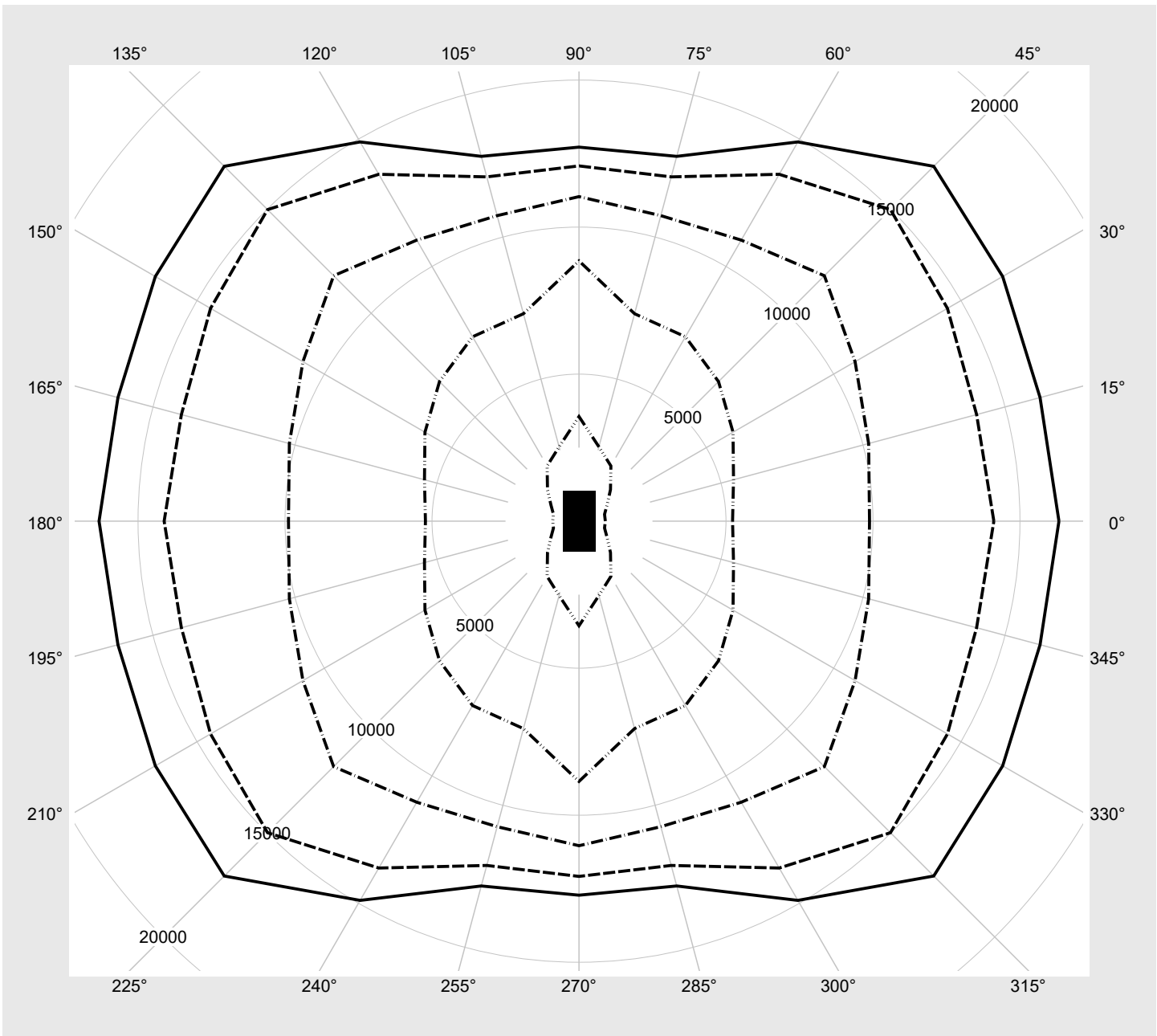
Familie
Highbay 11

Bestell-Nr.: 51HLA1D24NCA + 59HL91001
EAN: 4058352322932 + 4058352323519

LP-Nummer
58920_4

Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA1D24NCA + 59HL91001 EAN: 4058352322932 + 4058352323519	LP-Nummer 58920_4
Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	31240	189.6
95	240	252	29678	179.4
90	227	250	28116	169.2
85	213	248	26554	158.9
80	200	245	24992	148.9
75	187	243	23430	139.4
70	174	240	21868	129.6
65	161	237	20306	120.1
60	148	234	18744	110.8
55	135	231	17182	101.4
50	123	228	15620	92.3
45	110	224	14058	83.2
40	98	220	12496	74.4
35	85	215	10934	65.5
30	73	210	9372	56.9
25	61	204	7810	48.4
20	49	197	6248	39.9
15	37	188	4686	31.4
10	25	177	3123	23.0