

## Photometric test report

Family  
Highbay 41

Order number: 51HP32MB7MMA + 59HP91001  
EAN: 4058352475669 + 4058352475829

LP number  
59150\_7



**Version** cover panel, PC, clear, prismatic reflector, PC, extremely wide distribution  
**Lamps** LED 5700 K | CRI ≥ 80  
**Controlgear** ECG Multilumen  
**Rated values** Net luminous flux = 27120 lm  
Power consumption = 175.0 W  
Luminous efficacy = 155 lm/W

serial  
documentation  
15.04.2021

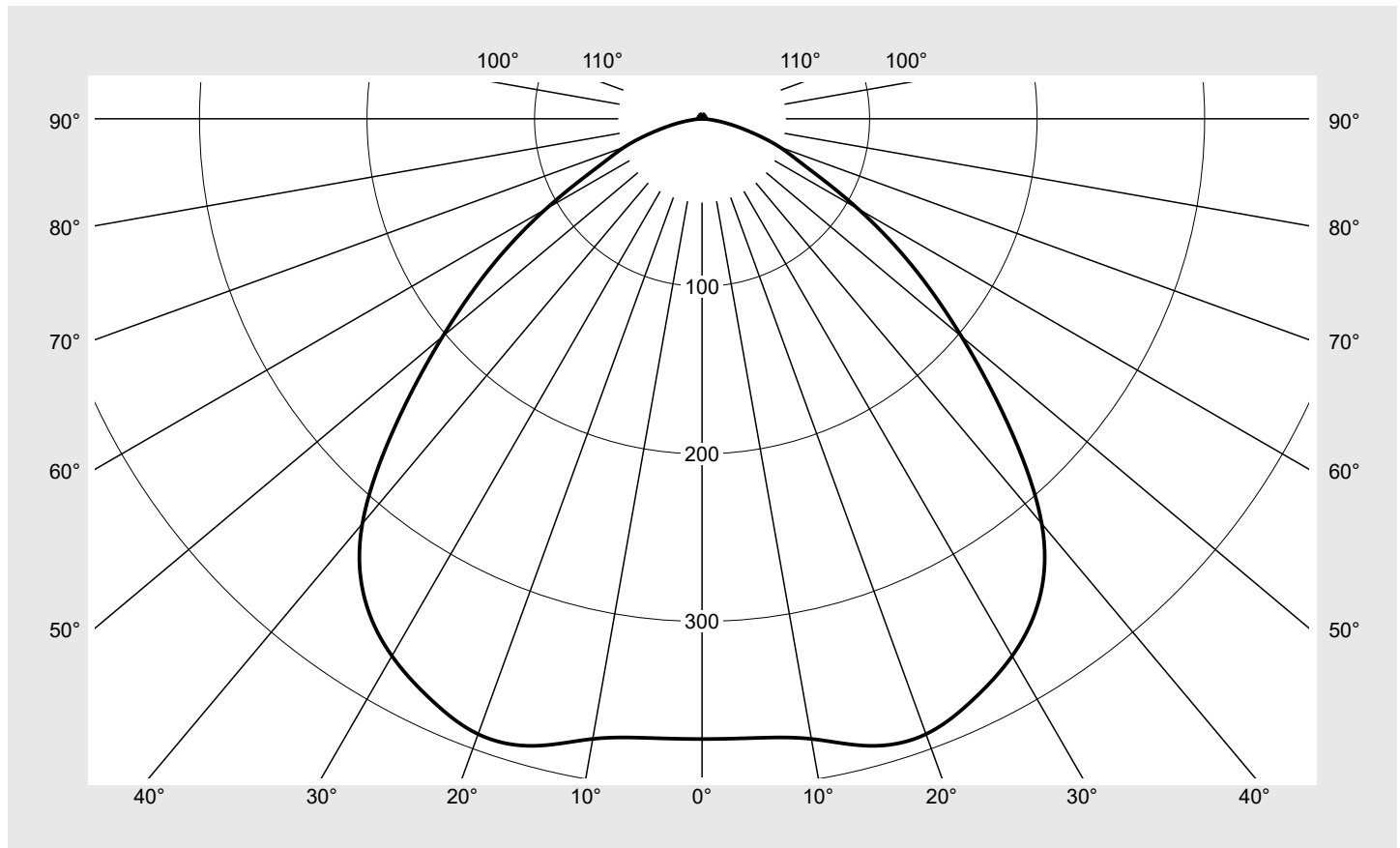


sITeco

Luminous intensity in cd/klm

C180-0

Imax: 391 cd/klm



### Classifications

DIN 5040 A 5 2  
CIE N1=58 N2=89 N3=98  
N4=99 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  98.6%  
 $\phi_o$  1.4%

### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family Highbay 41	Order number: 51HP32MB7MMA + 59HP91001 EAN: 4058352475669 + 4058352475829	LP number 59150_7
----------------------	--	----------------------

Table of values for luminous intensities	Maximum luminous intensity	sITeco
--	----------------------------	--------

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	370.2	2.2	2.2
5°	371.0	17.7	19.9
10°	375.9	35.8	55.7
15°	387.5	55.0	110.7
20°	390.9	73.3	184.0
25°	382.6	88.6	272.6
30°	370.2	101.5	374.1
35°	350.7	110.3	484.3
40°	315.5	111.1	595.5
45°	258.8	100.3	695.8
50°	202.1	84.9	780.7
55°	153.3	68.9	849.5
60°	107.6	51.1	900.6
65°	69.8	34.7	935.3
70°	49.3	25.4	960.7
75°	29.3	15.5	976.1
80°	14.2	7.7	983.8
85°	3.8	2.1	985.9
90°	1.8	1.0	986.9
95°	1.7	0.9	987.8
100°	1.7	0.9	988.8
105°	1.7	0.9	989.7
110°	2.0	1.0	990.7
115°	2.3	1.1	991.8
120°	2.4	1.1	992.9
125°	2.1	1.0	993.9
130°	2.2	0.9	994.8
135°	2.3	0.9	995.7
140°	2.4	0.8	996.6
145°	2.5	0.8	997.4
150°	2.6	0.7	998.1
155°	2.7	0.6	998.7
160°	2.8	0.5	999.2
165°	2.7	0.4	999.6
170°	2.6	0.2	999.9
175°	2.4	0.1	1000.0
180°	2.6	0.0	1000.0

## Photometric test report

Family Highbay 41	Order number: 51HP32MB7MMA + 59HP91001 EAN: 4058352475669 + 4058352475829	LP number 59150_7
----------------------	--	----------------------

UGR-Table	Standard room	siteco								
-----------	---------------	--------	--	--	--	--	--	--	--	--

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	24.6	26.2	25.0	26.5	26.8	24.6	26.2	25.0	26.5	26.8
	3H	25.1	26.5	25.5	26.9	27.2	25.1	26.5	25.5	26.9	27.2
	4H	25.2	26.6	25.6	26.9	27.3	25.2	26.6	25.6	26.9	27.3
	6H	25.3	26.5	25.7	26.9	27.3	25.3	26.5	25.7	26.9	27.3
	8H	25.3	26.4	25.8	26.8	27.2	25.3	26.4	25.8	26.8	27.2
	12H	25.3	26.4	25.7	26.7	27.2	25.3	26.4	25.7	26.7	27.2
4H	2H	24.9	26.2	25.3	26.6	27.0	24.9	26.2	25.3	26.6	27.0
	3H	25.5	26.6	26.0	27.0	27.4	25.5	26.6	26.0	27.0	27.4
	4H	25.7	26.7	26.2	27.1	27.5	25.7	26.7	26.2	27.1	27.5
	6H	25.8	26.6	26.3	27.1	27.5	25.8	26.6	26.3	27.1	27.5
	8H	25.8	26.6	26.3	27.0	27.5	25.8	26.6	26.3	27.0	27.5
	12H	25.8	26.5	26.3	26.9	27.4	25.8	26.5	26.3	26.9	27.4
8H	4H	25.8	26.5	26.2	27.0	27.5	25.8	26.5	26.2	27.0	27.5
	6H	25.9	26.5	26.4	27.0	27.5	25.9	26.5	26.4	27.0	27.5
	8H	25.9	26.4	26.4	26.9	27.4	25.9	26.4	26.4	26.9	27.4
	12H	25.9	26.3	26.4	26.8	27.4	25.9	26.3	26.4	26.8	27.4
12H	4H	25.8	26.4	26.3	26.9	27.4	25.8	26.4	26.3	26.9	27.4
	6H	25.9	26.4	26.4	26.9	27.4	25.9	26.4	26.4	26.9	27.4
	8H	25.9	26.3	26.4	26.8	27.4	25.9	26.3	26.4	26.8	27.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 410	H(C0) = 123 H(C90) = 123	H(C180) = 123 H(C270) = 123
-----------------	---------------------------------	---------------------------------------	-----------------------------	--------------------------------

C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	54406.1
50°	44391.1
55°	35532.8
60°	26608.3
65°	18641.5
70°	14444.1
75°	9573.5
80°	5298.9
85°	1690.6

**Photometric test report**

**Family**  
Highbay 41

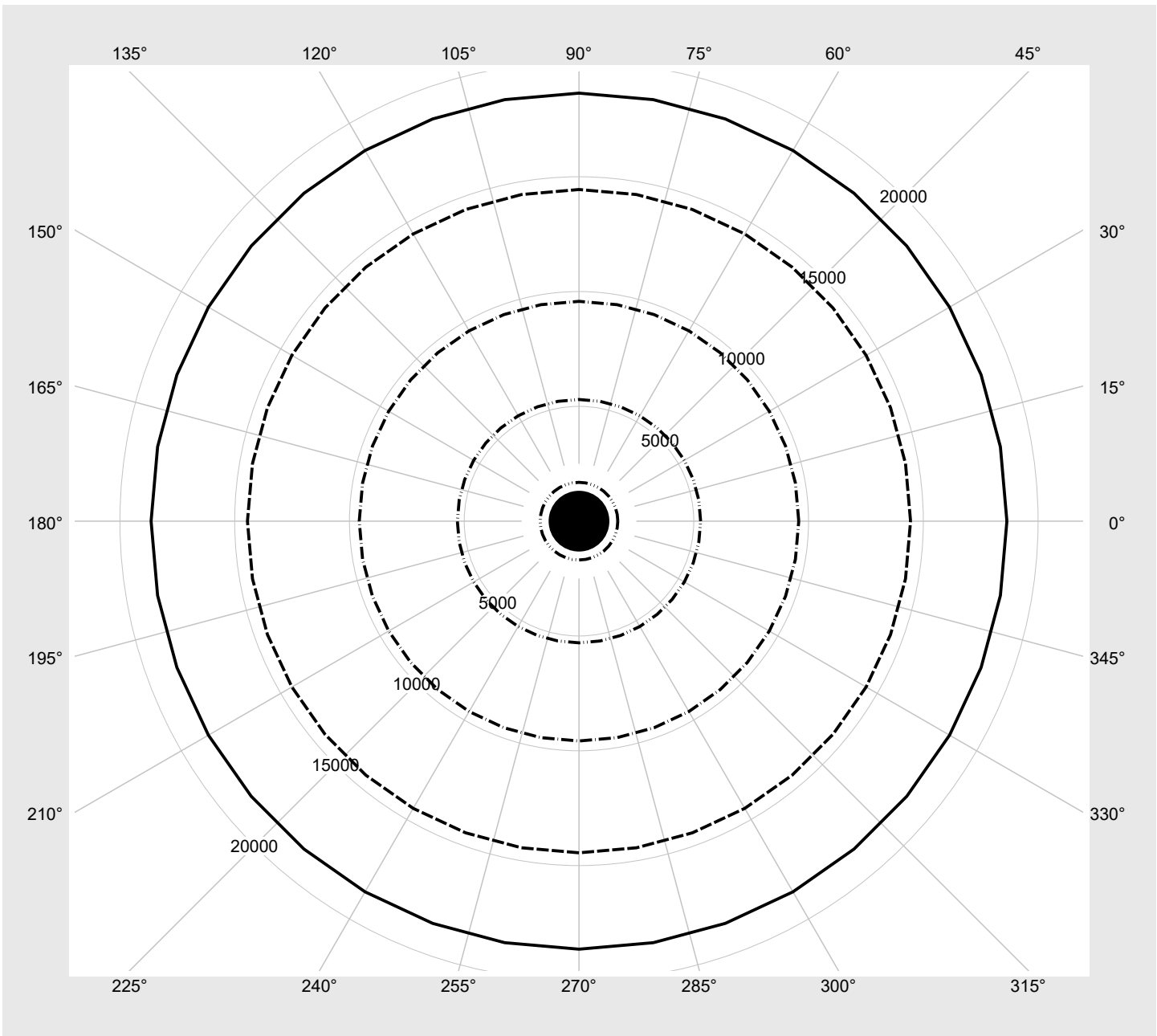
**Order number:** 51HP32MB7MMA + 59HP91001  
**EAN:** 4058352475669 + 4058352475829

**LP number**  
59150\_7

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



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



### Photometric test report

Family <b>Highbay 41</b>	Order number: <b>51HP32MB7MMA + 59HP91001</b> EAN: <b>4058352475669 + 4058352475829</b>	LP number <b>59150_7</b>
-----------------------------	--	-----------------------------

<b>Multilumen Table</b>	environmental temperature: 25°C	<b>siteco</b>
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	27120	175.0
1	ON	OFF	OFF	19370	120.0
2	OFF	ON	OFF	14530	90.0
4	OFF	OFF	ON	9690	60.0