ewo

PLANNING AID
FA 170 BOLLARD
RP11 OPTIC

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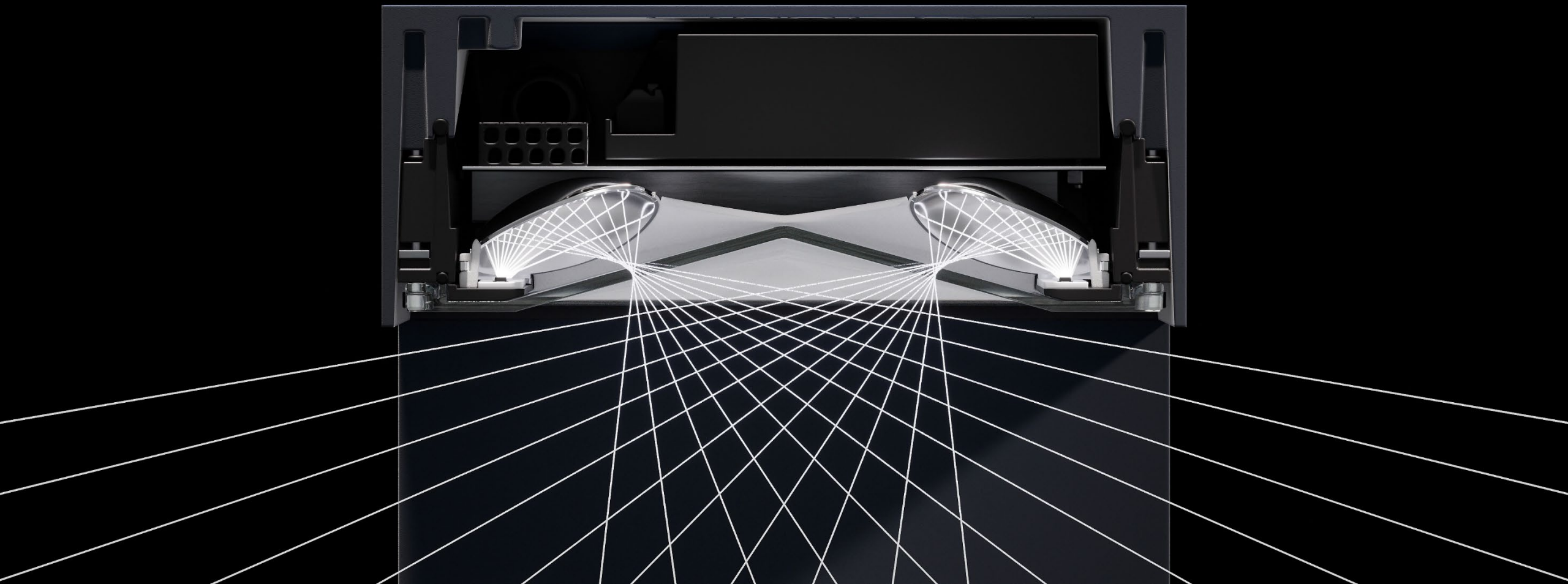
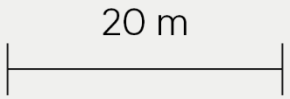
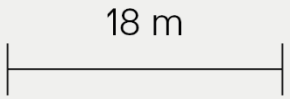


Four scenarios. Exceptional spacing.



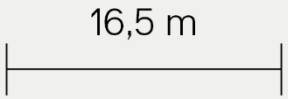
Visual orientation

Where no formal standard requirement applies, the FA bollard luminaire opens up maximum design freedom – with very wide spacing and a calm lighting effect along the path.



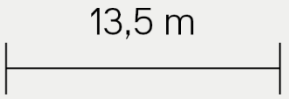
At least 1 lx

For paths where a defined minimum illuminance of 1 lx is to be achieved between two bollards – a practical reference value for many applications.



P2–P4 according to EN 13201

For standards-compliant path lighting according to the P classes of EN 13201 – for example on footpaths, cycle paths, promenades, or public outdoor spaces.



P1 according to EN 13201

For higher lighting requirements with closer bollard spacing – where the stricter P1 class is to be achieved.

FA 170 configuration and spacing
3 m path width

Class	P1 E_{av} 15 lx / E_{min} 3 lx / U_0 ≥ 0,13		P2 E_{av} 10 lx / E_{min} 2 lx / U_0 ≥ 0,13		P3 E_{av} 7.5 lx / E_{min} 1.5 lx / U_0 ≥ 0,13		P4 E_{av} 5 lx / E_{min} 1 lx / U_0 ≥ 0,13		1 lx		0,5 lx	
Optic	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné
Spacing	13.5 m	8 m	16.5 m	13.5 m	16.5 m	14.5 m	16.5 m	14.5 m	18 m	16.5 m	20 m	19 m
Current	700 mA	700 mA	700 mA	700 mA	650 mA	600 mA	400 mA	400 mA	700 mA	700 mA	700 mA	700 mA
Flux	997 lm	934 lm	997 lm	934 lm	940 lm	825 lm	620 lm	581 lm	997 lm	934 lm	997 lm	934 lm
Load	8.7 W	8.7 W	8.7 W	8.7 W	8.1 W	7.5 W	5 W	5 W	8.7 W	8.7 W	8.7 W	8.7 W
E_{av}	15.1 lx	21.5 lx	11.7 lx	13.0 lx	9.6 lx	10.3 lx	7.3 lx	7.4 lx	10.6 lx	10.1 lx	9.4 lx	8.6 lx
E_{min}	3.3 lx	3.0 lx	2.0 lx	2.1 lx	1.6 lx	1.5 lx	1.2 lx	1.0 lx	1.0 lx	1.0 lx	0.5 lx	0.5 lx
U_0	0.22	0.14	0.17	0.16	0.17	0.15	0.16	0.14	-	-	-	-

! Adjust the driver current in product configurator !

LPH: 0.92 m, MF: 0.8, CCT/CRI: 740

FA 170 configuration and spacing
2 m path width

Class	P1 E_{av} 15 lx / E_{min} 3 lx / U_0 ≥ 0,13		P2 E_{av} 10 lx / E_{min} 2 lx / U_0 ≥ 0,13		P3 E_{av} 7.5 lx / E_{min} 1.5 lx / U_0 ≥ 0,13		P4 E_{av} 5 lx / E_{min} 1 lx / U_0 ≥ 0,13		1 lx		0,5 lx	
Optic	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné	RP11	RP11 satiné
Spacing	15 m	13.5 m	15.5 m	14 m	15.5 m	14 m	15.5 m	14 m	18 m	16.5 m	20 m	18.5 m
Current	700 mA	700 mA	600 mA	550 mA	400 mA	400 mA	250 mA	250 mA	700 mA	700 mA	700 mA	700 mA
Flux	997 lm	934 lm	880 lm	767 lm	620 lm	581 lm	403 lm	378 lm	997 lm	934 lm	997 lm	934 lm
Load	8.7 W	8.7 W	7.5 W	6.8 W	5 W	5 W	3.2 W	3.2 W	8.7 W	8.7 W	8.7 W	8.7 W
E_{av}	17.6 lx	18.3 lx	14.9 lx	14.4 lx	10.5 lx	10.9 lx	6.8 lx	7.1 lx	14.0 lx	14.2 lx	12.3 lx	12.3 lx
E_{min}	3.3 lx	3.1 lx	2.4 lx	2.2 lx	1.6 lx	1.6 lx	1.1 lx	1.1 lx	1.0 lx	1.1 lx	0.5 lx	0.5 lx
U_0	0.19	0.17	0.16	0.15	0.15	0.15	0.16	0.15	-	-	-	-

! Adjust the driver current in product configurator !

LPH: 0.92m, MF: 0.8, CCT/CRI: 740