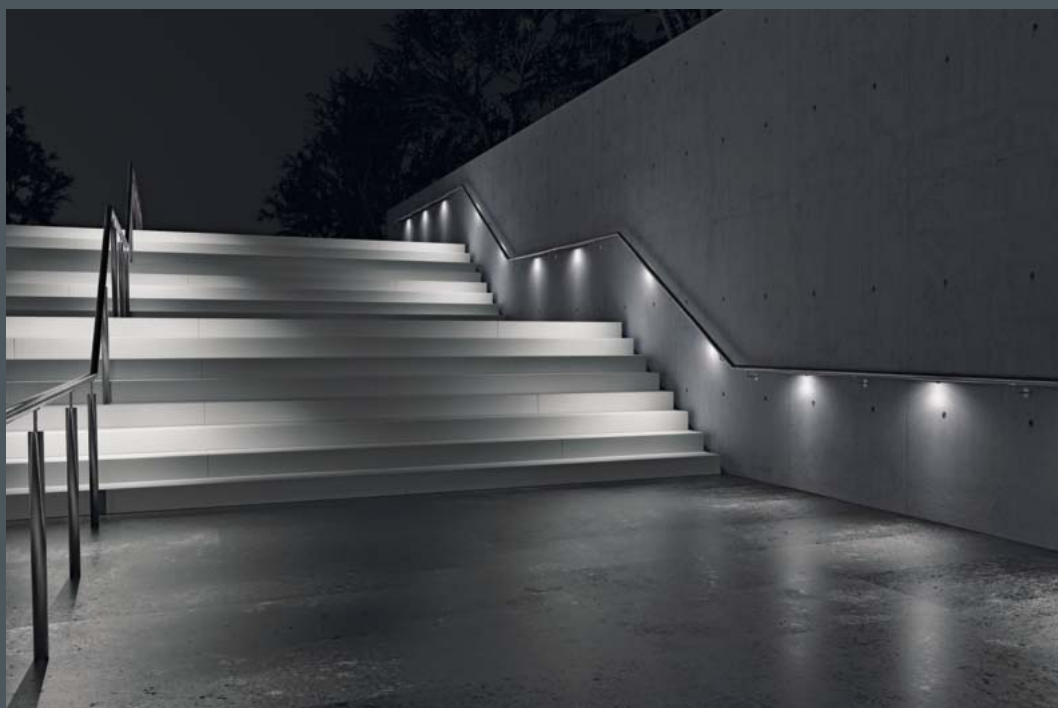
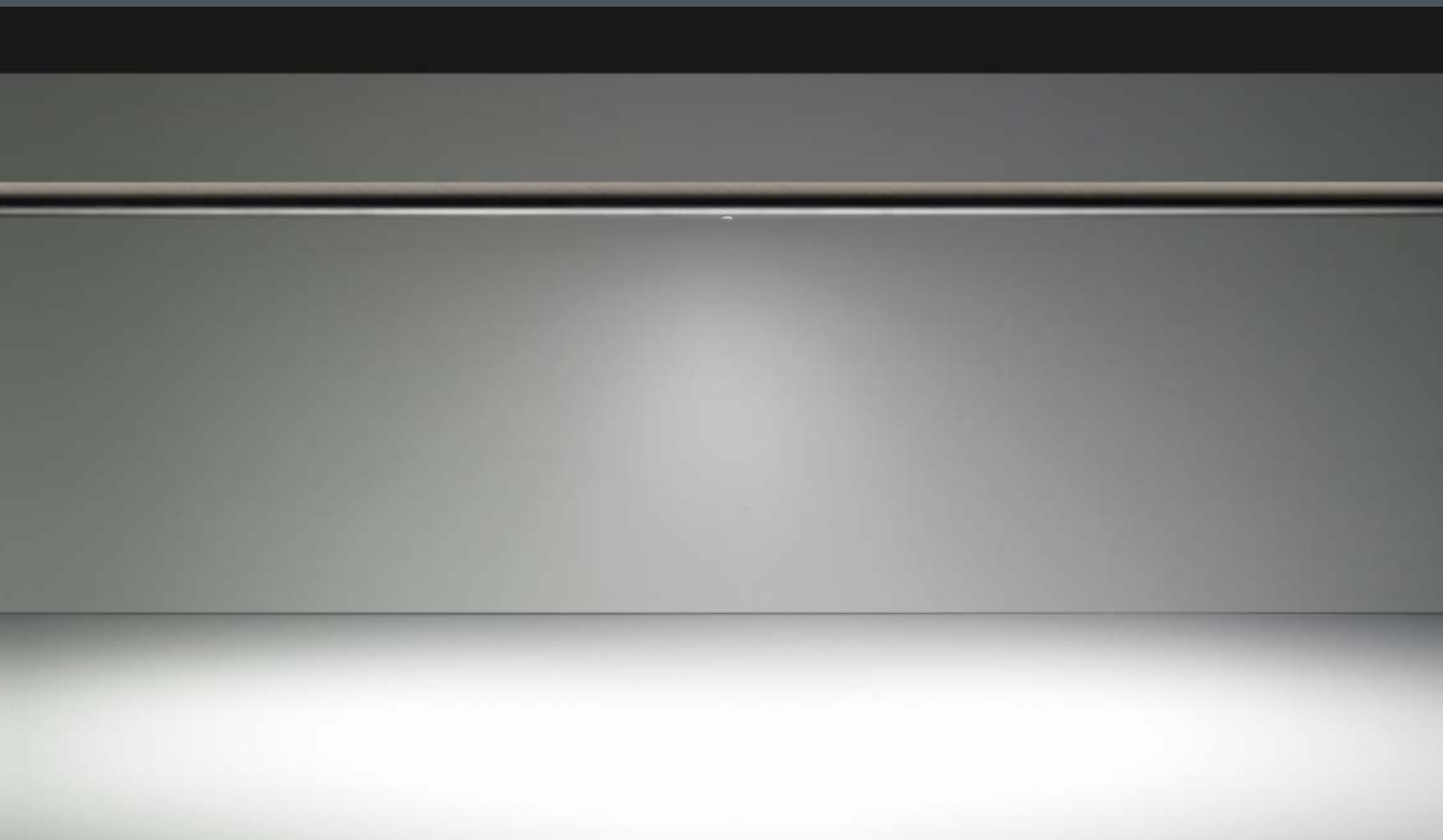




Nanodot are miniature luminaires for recess installation into handrails made of metal. Discreet and completely glare-free, these luminaires achieve uniform illumination on paths and stairs next to railings. Precise optics create asymmetrical or wide beam light distributions and make large luminaire spacings possible. The luminaires can be retro-fitted into existing handrails on site.

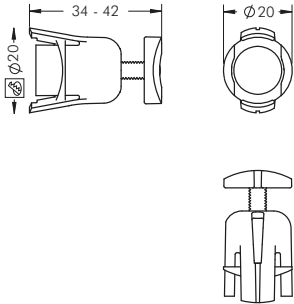


Nanodot luminaires that are built into handrails, provide uniform and secure illumination on paths and stairs.



The extremely small luminaires are recessed into handrails and built-in flush with the surface. For protection against theft, the use of a special tool is necessary to take out the luminaires.



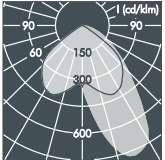
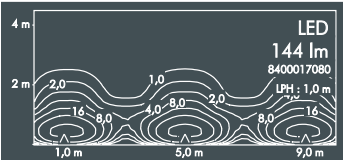


Nanodot
handrail luminaire

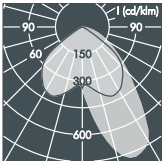
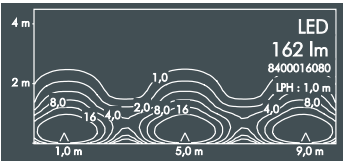
With 1 x high performance LED,
CRI: > 80, Colour tolerance: max. 2 SDCM
Service life: L90/B10 > 50 000 h
protection class III ⚡, IP67 ⚡⚡⚡⚡⚡⚡, IK10
luminaire made of corrosion-resistant stainless steel (V4A),
for flush mounting into handrails,
suitable for outer diameter 38 - 45 mm,
precise light control with miniature polycarbonate optic,
installation housing made of fibreglass reinforced plastic,
2 x 130 mm FEP single wires and
2 x IP67 silicone-potted pressure clamp connectors,
suitable for connection to remote constant current
power supply max. 500 mA
(350 mA for Ta max. 50° C)

Nanodot, lateral wide beam

Part number	Handrail Ø *	Light source	Luminous flux	Beam angle γ (FWHM)	
8 400 017 089	38 - 45 mm	1 x LED 1.5 W warm white (2700 K)	144 lm	C 0 – 180 30°	C 90 – 270 105°

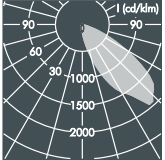
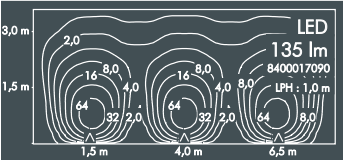


Part number	Handrail Ø *	Light source	Luminous flux	Beam angle γ (FWHM)	
8 400 016 089	38 - 45 mm	1 x LED 1.5 W warm white (3000 K)	162 lm	C 0 – 180 30°	C 90 – 270 105°

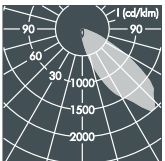
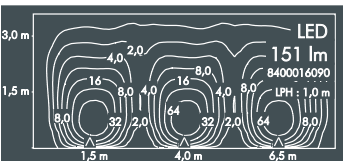


Nanodot, asymmetrical beam

Part number	Handrail Ø *	Light source	Luminous flux	Main beam angle γ
8 400 017 099	38 - 45 mm	1 x LED 1.5 W warm white (2700 K)	135 lm	43°

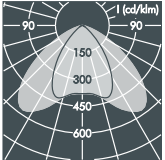
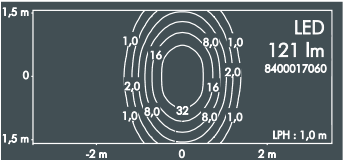


Part number	Handrail Ø *	Light source	Luminous flux	Main beam angle γ
8 400 016 099	38 - 45 mm	1 x LED 1.5 W warm white (3000 K)	151 lm	43°

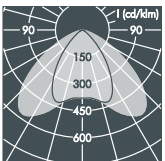
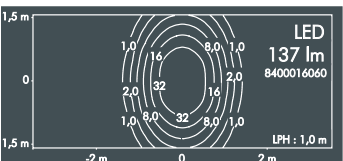


Nanodot, asymmetrical beam in 2 directions

Part number	Handrail Ø *	Light source	Luminous flux	Beam angle γ (FWHM)	
8 400 017 069	38 - 45 mm	1 x LED 1.5 W warm white (2700 K)	121 lm	C 0 – 180 111°	C 90 – 270 75°



Part number	Handrail Ø *	Light source	Luminous flux	Beam angle γ (FWHM)	
8 400 016 069	38 - 45 mm	1 x LED 1.5 W warm white (3000 K)	137 lm	C 0 – 180 111°	C 90 – 270 75°



Part number	Description
... 5 ...	Luminaire with neutral white LED module (4000 K)
... 1 ...	Luminaire for rectangular handrails
... 1 ...	luminaires for emergency escape routes (certified according to IEC 60598-2-22)

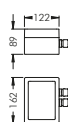
* The luminaires are available for round or for rectangular handrails with different outer dimensions upon request (inner dimensions min. 32 mm).



LED

Luminaires available
in 2200 K or other colour temperatures upon request





Accessories Nanodot

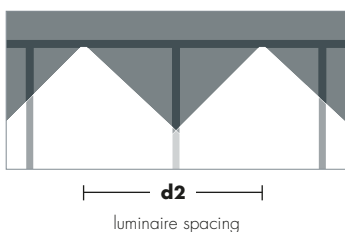
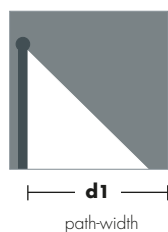
Part number	Description
	Power supply , grey, weather-resistant polycarbonate, IP67, IK08, integral constant current driver (AC/DC) preset to 500 mA, 2 x M20 cable glands for cable diameter 5 -14 mm
114 0 042 000	for 2 - 9 luminaires max. 14 W (for 9 luminaire max. distance 115 m)*
114 0 042 100	for 2 - 7 luminaires dimmable DALI max. 11 W (for 7 luminaires max. distance 170 m)*
114 0 052 100	for 6 - 20 luminaires dimmable DALI max. 36 W (for 20 luminaires max. distance 150 m)*

*Indication for cable 0.75 mm²

Part number	Description
230 2 606 000	Screwdriver , with allen ball head 2.5 mm, tool for luminaire installation

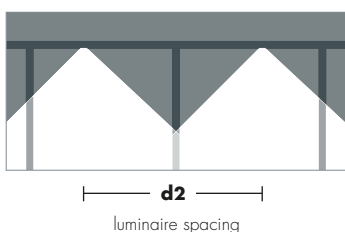
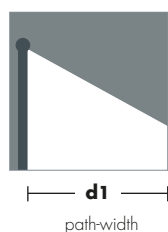
After completing the electrical connection, the plastic installation housing is inserted.

The luminaires are mounted flush with the handrail. **To explain this installation, there is a video on our website www.meyer-lighting.com.**



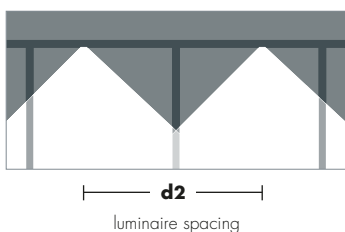
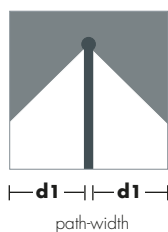
Nanodot, lateral wide beam

d2 \ d1	1.0 m		1.5 m	
	Em (lx)	Emin (lx)	Em (lx)	Emin (lx)
1.5 m	63	31	50	14
2.0 m	47	17	37	8
2.5 m	39	8	30	5
3.0 m	34	6	25	3
3.5 m	32	2	23	2
4.0 m	26	1	19	1



Nanodot, asymmetrical beam

d2 \ d1	2.0 m		3.0 m	
	Em (lx)	Emin (lx)	Em (lx)	Emin (lx)
1.0 m	54	17	38	3
1.5 m	35	6	25	2
2.0 m	26	2	18	2
2.5 m	24	1	17	1
3.0 m	18	0.6	13	0.6



Nanodot, asymmetrical beam in 2 directions

d2 \ d1	2 x 1 m		2 x 1.5 m		2 x 2 m	
	Em (lx)	Emin (lx)	Em (lx)	Emin (lx)	Em (lx)	Emin (lx)
1.0 m	45	26	34	9	26	3
1.5 m	30	12	23	5	18	2
2.0 m	22	5	16	2	12	1
2.5 m	19	2	15	1	11	0.5

Illumination values for 3000 K warm white LEDs