



Nanodot are miniature luminaires for recess installation into round 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.



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.

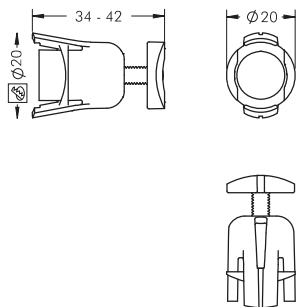


Alternatively, the luminaires are available with asymmetrical or with wide beam light distribution.



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



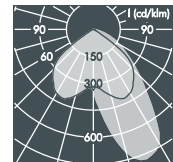
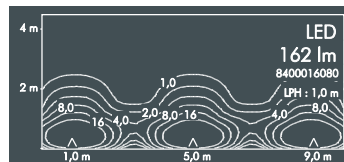


### Nanodot handrail luminaire

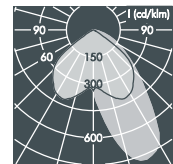
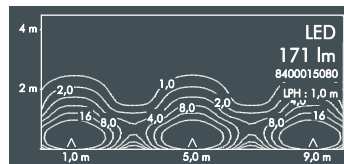
With 1 x high performance LED,  
 CRI: > 80, Colour tolerance: max. 2 SDCM  
 Service life: L90/B10 > 50 000 h  
 protection class III ⚡, IP65 ⚡⚡, IK10  
 luminaire made of corrosion-resistant stainless steel (V4A),  
 for flush mounting into round handrails,  
 suitable for outer diameter 38 - 45 mm,  
 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)	
<b>8 400 016 089</b>	38 - 45 mm	1 x LED 1.5 W warm white (3000 K)	162 lm	C 0 - 180 30°	C 90 - 270 105°

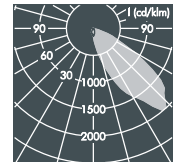
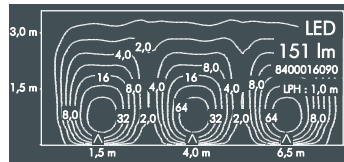


Part number	Handrail Ø*	Light source**	Luminous flux	Beam angle γ (FWHM)	
<b>8 400 015 089</b>	38 - 45 mm	1 x LED 1.5 W neutral white (4000 K)	171 lm	C 0 - 180 30°	C 90 - 270 105°

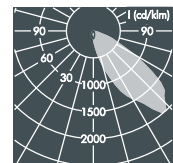
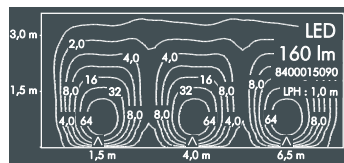


#### Nanodot, asymmetrical beam

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



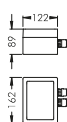
Part number	Handrail Ø*	Light source**	Luminous flux	Main beam angle γ
<b>8 400 015 099</b>	38 - 45 mm	1 x LED 1.5 W neutral white (4000 K)	160 lm	43°



\*Luminaires available for handrails with different outer diameters upon request.  
 \*\*Luminaires available in 2700 K and other colour temperatures upon request

LED





**Accessories Nanodot**

Part number	Description
	<b>Power supply</b> , 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
<b>114 0 042 000</b>	for 2 - 9 luminaires max. 14 W (for 9 luminaire max. distance 115 m)*
<b>114 0 042 100</b>	for 2 - 7 luminaires dimmable <b>DALI</b> max. 11 W (for 7 luminaires max. distance 170 m)*
<b>114 0 052 100</b>	for 6 - 20 luminaires dimmable <b>DALI</b> max. 36 W (for 20 luminaires max. distance 150 m)*

\*Indication for cable 0.75 mm<sup>2</sup>



Part number	Description
<b>230 2 606 000</b>	<b>Screwdriver</b> , 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](http://www.meyer-lighting.com).