NANOTTICA NB ABS



… ceiling height from 7.5 to 12 m, chemically resistant, MultiLumen.

USE

The fixture boasts a **low unified glare rating with UGR values** its patented nanooptics. This ensures eye comfort, **high visual performance and workplace safety**, which indirectly **translates into higher productivity.**

The luminaire's **narrow-beam angle** makes it suitable for premises with an optimum luminaire installation height of **7.5 to 12 m**. The luminaire is designed for indoor spaces as well as for agricultural buildings and other spaces with chemically aggressive environments due to ammonia fumes, lye fumes, alkali and hot water (hydrolysis). The fitting is primarily intended for **walls and large corridors in high industrial and agricultural buildings, production plants and warehouse aisles, farms, stables and laboratories** with no explosion hazard. IP69-rated and HACCP-compliant, the fitting's design also makes it suitable for the food industry.

The fitting´s base is made of ABS and diffuser of AC, resulting in their **exceptional chemical resistance**. Emissions in the environment of use may reduce the usability of the plastics; for more information see page 421.

ADVANTAGES

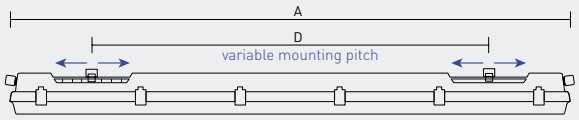
- Patented optics ensures absolute control over light beam distribution
- Narrow Beam angle (NB), optimum luminaire installation height **from 7.5 to 12 m**
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 45 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **chemical resistance**
- **Variable suspension pitch,** optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch.
- Optional throughwiring (up to 7 wires inside the light fitting)
- Standard model CRI > 80: 4000 K
- On request CRI > 80: 3000 K, 5000 K, 6500 K
- CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- Optional delivery in dimmable version
- Certificates: **ESČ, ENEC, CB, DLG, HACCP**

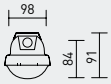
NANOTTICA NB ABS, ABSc



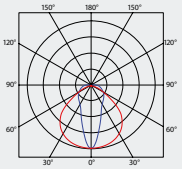
TECHNICAL DESCRIPTION

- Light fitting protection: **IP66 / IP69**
- Maximum ambient temperature: **ta = 45 °C**
- Maximum ambient temperature: ta = 0-40 °C for version with emergency back-up M3hAt
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- Maximum light fitting efficiency: **153 lm/W**
- Optimum luminaire installation height **from 7.5 to 12 m**
- **CRI > 80: 4000 K** – standard
- CRI > 80: 3000 K, 5000 K, 6500 K - on request
- CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K - on request
- **MultiLumen (ML):** luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- MacAdam = 3 SDCM
- Diffuser: **transparent AC with nanooptics Narrow Beam** (high chemical resistance, UV stability)
- Body: dark grey ABS (high chemical resistance, UV stability)
- Reflector: steel sheet, white colour (RAL 9003)
- **Mounting clips:** stainless steel, stainless steel hooks included
- Clips: polyamide + 15 % glass fibre or stainless steel + polyamide
- Sealing: polyurethane (PUR), foamed body groove
- Cable glands: screwed PG 13.5
- Terminal block: screwless, three-pole (basic version), or screwed
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %





NANOTTICA 1.5ft NB ABS



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
			Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
Up to ambient temperature ta = 45 °C - body dark grey ABS - diffusor with nanooptics NB (narrow beam angle), transparent acrylate								
NANOTTICA 1.4ft NB ABS 4400/840 *	45	4520	3930	27,3	144	1,7	1175	700 - 960
NANOTTICA 1.4ft NB ABS 6400/840 *	45	6500	5660	38,5	147	1,7	1175	700 - 960
NANOTTICA 1.4ft NB ABS 8000/840	35	8160	7100	49,0	145	1,7	1175	700 - 960
NANOTTICA 1.5ft NB ABS 5500/840 *	45	5590	4860	33,3	146	2,0	1455	970 - 1230
NANOTTICA 1.5ft NB ABS 8000/840 *	45	8020	6980	47,4	147	2,0	1455	970 - 1230
NANOTTICA 1.5ft NB ABS 10000/840	35	10350	9000	62,9	143	2,0	1455	970 - 1230

*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
NANOTTICA 1.4ft NB ABS 4400/840 ML	3410	23,3	146	2880	19,5	148	2330	15,8	147
NANOTTICA 1.4ft NB ABS 6400/840 ML	4910	32,8	150	4150	27,4	151	3370	22,1	152
NANOTTICA 1.5ft NB ABS 5500/840 ML	4210	28,4	148	3550	23,6	150	2870	19,1	150
NANOTTICA 1.5ft NB ABS 8000/840 ML	6060	40,4	150	5120	33,6	152	4150	27,2	153

NANOTTICA NB ABS

Code	Type	Non-dimmable driver - plastic clips			
		1F	3F	M3hAt	3F M3hAt
100881	NANOTTICA 1.4ft NB ABS 4400/840 ML	100885	100889	108154	108158
100882	NANOTTICA 1.4ft NB ABS 6400/840 ML	100886	100890	108155	108159
110229	NANOTTICA 1.4ft NB ABS 8000/840	110231	110233	x	x
100883	NANOTTICA 1.5ft NB ABS 5500/840 ML	100887	100891	108156	108160
100884	NANOTTICA 1.5ft NB ABS 8000/840 ML	100888	100892	108157	108161
110230	NANOTTICA 1.5ft NB ABS 10000/840	110232	110234	x	x

NANOTTICA NB ABSc

Code	Type	Non-dimmable driver - stainless clips (c)			
		1F	3F	M3hAt	3F M3hAt
100909	NANOTTICA 1.4ft NB ABSc 4400/840 ML	100913	100917	108162	108166
100910	NANOTTICA 1.4ft NB ABSc 6400/840 ML	100914	100918	108163	108167
110235	NANOTTICA 1.4ft NB ABSc 8000/840	110237	110239	x	x
100911	NANOTTICA 1.5ft NB ABSc 5500/840 ML	100915	100919	108164	108168
100912	NANOTTICA 1.5ft NB ABSc 8000/840 ML	100916	100920	108165	108169
110236	NANOTTICA 1.5ft NB ABSc 10000/840	110238	110240	x	x

NANOTTICA NB ABS DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
100937	NANOTTICA 1.4ft NB ABS 4400/840 DALI	100941	100945	108170	108174
100938	NANOTTICA 1.4ft NB ABS 6400/840 DALI	100942	100946	108171	108175
110241	NANOTTICA 1.4ft NB ABS 8000/840 DALI	110243	110245	x	x
100939	NANOTTICA 1.5ft NB ABS 5500/840 DALI	100943	100947	108172	108176
100940	NANOTTICA 1.5ft NB ABS 8000/840 DALI	100944	100948	108173	108177
110242	NANOTTICA 1.5ft NB ABS 10000/840 DALI	110244	110246	x	x

NANOTTICA NB ABSc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
100965	NANOTTICA 1.4ft NB ABSc 4400/840 DALI	100969	100973	108178	108182
100966	NANOTTICA 1.4ft NB ABSc 6400/840 DALI	100970	100974	108179	108183
110247	NANOTTICA 1.4ft NB ABSc 8000/840 DALI	110249	110251	x	x
100967	NANOTTICA 1.5ft NB ABSc 5500/840 DALI	100971	100975	108180	108184
100968	NANOTTICA 1.5ft NB ABSc 8000/840 DALI	100972	100976	108181	108185
110248	NANOTTICA 1.5ft NB ABSc 10000/840 DALI	110250	110252	x	x

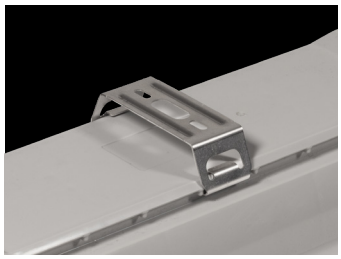
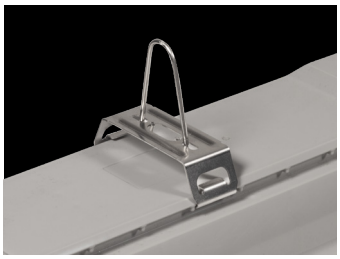
LEGEND

1F - 1-phase 3 core through-wiring in the luminaire
3F - 3-phase 5 core through-wiring in the luminaire
M3hAt - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
3F M3hAt - 3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

DALI - version with digital dimmable driver DALI
DALI 1F - 1-phase 5 core through-wiring in the luminaire
DALI 3F - 3-phase 7 core through-wiring in the luminaire
DALI 3F M3hAt - 3-phase 7 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

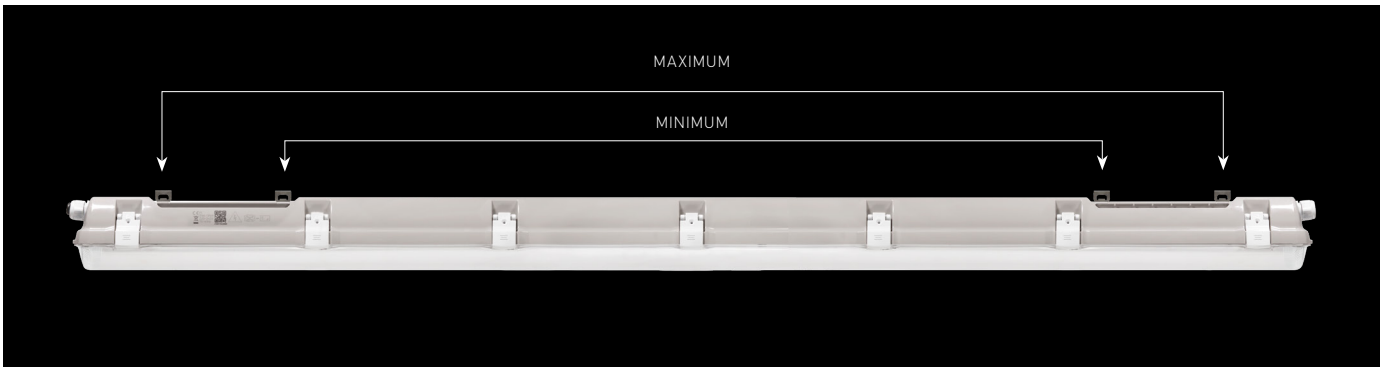
LIGHT FITTING ATTACHMENT

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks
c) Attachment with the use of side hangers to the wall - is not included in accessories


VARIABLE INSTALLATION PITCH

NANOTTICA NB ABS



LIGHT FITTING DETAILED VIEW

NANOTTICA NB ABS





