NANOTTICA WB ABS



... ceiling height from 2.5 to 4 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 fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance.** These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas. Its **wide beam angle** makes it an excellent choice for spaces with an optimum luminaire installation height ranging from **2.5 to 4 m.** It 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 product is primarily intended for **walls and large corridors in low agricultural buildings and industrial halls, workshops, corridors, cellars, 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

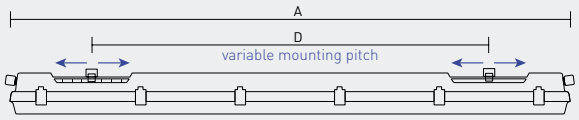
- Patented optics ensures absolute control over light beam distribution
- Wide Beam angle (WB), optimum luminaire installation height from 2.5 to 4 m
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- 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: **EPD, ESČ, ENEC, CB, DLG, HACCP**

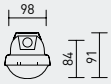
NANOTTICA WB ABS, ABSc



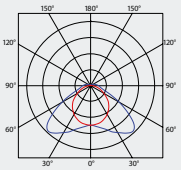
TECHNICAL DESCRIPTION

- Light fitting protection: **IP66 / IP69**
- Maximum ambient temperature: **ta = 50 °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: **154 lm/W**
- Optimum luminaire installation height **from 2.5 to 4 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 Wide 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 WB 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 = 50 °C - body dark grey ABS - diffusor with nanooptics WB (wide beam angle), transparent acrylate								
NANOTTICA 1.4ft WB ABS 3200/840	50	3260	2870	20,1	143	1,7	1175	700 - 960
NANOTTICA 1.4ft WB ABS 4400/840 *	45	4520	3980	27,3	146	1,7	1175	700 - 960
NANOTTICA 1.4ft WB ABS 6400/840 *	45	6500	5720	38,5	149	1,7	1175	700 - 960
NANOTTICA 1.5ft WB ABS 4000/840	50	4180	3680	25,3	145	2,0	1455	970 - 1230
NANOTTICA 1.5ft WB ABS 5500/840 *	45	5590	4920	33,3	148	2,0	1455	970 - 1230
NANOTTICA 1.5ft WB ABS 8000/840 *	45	8020	7060	47,4	149	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 WB ABS 4400/840 ML	3450	23,3	148	2910	19,5	149	2360	15,8	149
NANOTTICA 1.4ft WB ABS 6400/840 ML	4960	32,8	151	4200	27,4	153	3410	22,1	154
NANOTTICA 1.5ft WB ABS 5500/840 ML	4260	28,4	150	3590	23,6	152	2900	19,1	152
NANOTTICA 1.5ft WB ABS 8000/840 ML	6130	40,4	152	5180	33,6	154	4200	27,2	154

NANOTTICA WB ABS

Code	Type	Non-dimmable driver - plastic clips			
		1F	3F	M3hAt	3F M3hAt
100994	NANOTTICA 1.4ft WB ABS 3200/840	101002	101010	108187	108195
100995	NANOTTICA 1.4ft WB ABS 4400/840 ML	101003	101011	108188	108196
100996	NANOTTICA 1.4ft WB ABS 6400/840 ML	101004	101012	108189	108197
100998	NANOTTICA 1.5ft WB ABS 4000/840	101006	101014	108191	108199
100999	NANOTTICA 1.5ft WB ABS 5500/840 ML	101007	101015	108192	108200
101000	NANOTTICA 1.5ft WB ABS 8000/840 ML	101008	101016	108193	108201

NANOTTICA WB ABSc

Code	Type	Non-dimmable driver - stainless clips (c)			
		1F	3F	M3hAt	3F M3hAt
101050	NANOTTICA 1.4ft WB ABSc 3200/840	101058	101066	108203	108211
101051	NANOTTICA 1.4ft WB ABSc 4400/840 ML	101059	101067	108204	108212
101052	NANOTTICA 1.4ft WB ABSc 6400/840 ML	101060	101068	108205	108213
101054	NANOTTICA 1.5ft WB ABSc 4000/840	101062	101070	108207	108215
101055	NANOTTICA 1.5ft WB ABSc 5500/840 ML	101063	101071	108208	108216
101056	NANOTTICA 1.5ft WB ABSc 8000/840 ML	101064	101072	108209	108217

NANOTTICA WB ABS DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
101106	NANOTTICA 1.4ft WB ABS 3200/840 DALI	101114	101122	108219	108227
101107	NANOTTICA 1.4ft WB ABS 4400/840 DALI	101115	101123	108220	108228
101108	NANOTTICA 1.4ft WB ABS 6400/840 DALI	101116	101124	108221	108229
101110	NANOTTICA 1.5ft WB ABS 4000/840 DALI	101118	101126	108223	108231
101111	NANOTTICA 1.5ft WB ABS 5500/840 DALI	101119	101127	108224	108232
101112	NANOTTICA 1.5ft WB ABS 8000/840 DALI	101120	101128	108225	108233

NANOTTICA WB ABSc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
101162	NANOTTICA 1.4ft WB ABSc 3200/840 DALI	101170	101178	108235	108243
101163	NANOTTICA 1.4ft WB ABSc 4400/840 DALI	101171	101179	108236	108244
101164	NANOTTICA 1.4ft WB ABSc 6400/840 DALI	101172	101180	108237	108245
101166	NANOTTICA 1.5ft WB ABSc 4000/840 DALI	101174	101182	108239	108247
101167	NANOTTICA 1.5ft WB ABSc 5500/840 DALI	101175	101183	108240	108248
101168	NANOTTICA 1.5ft WB ABSc 8000/840 DALI	101176	101184	108241	108249

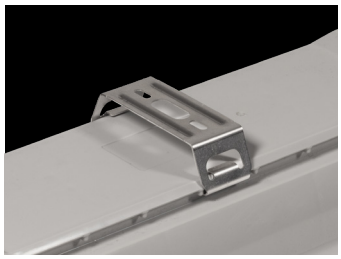
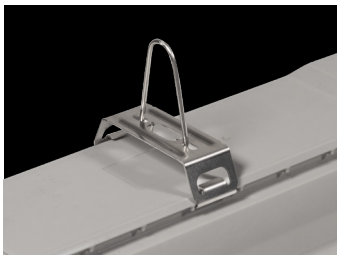
LEGEND

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)

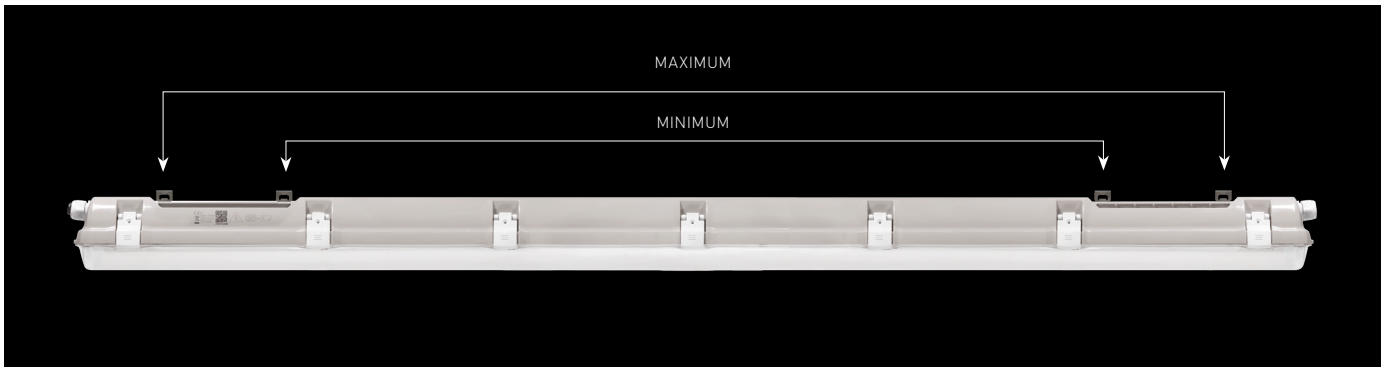
LIGHT FITTING ATTACHMENT

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 WB ABS



LIGHT FITTING DETAILED VIEW

NANOTTICA WB ABS





