NANOTTICA ABS



... ceiling height from 3.5 to 8 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.**

Thanks to the MultiLumen function, the luminaire can be adjusted for changing lighting requirements without much effort.

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.

Luminaire is designed 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 large **agricultural premises and industrial halls such as farms, stables, production plants and warehouses, car washes and laboratories** with no explosion hazard.

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

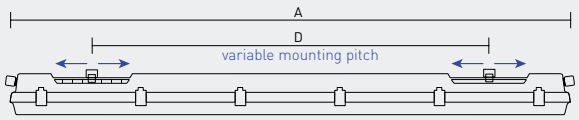
- Patented optics ensures absolute control over light beam distribution
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25°C to **ta = 50°C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **chemical resistance**
- **Variable 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**

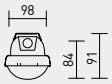
NANOTTICA ABS ABSc



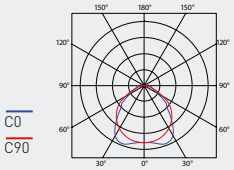
TECHNICAL DESCRIPTION

- 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 3.5 to 8 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** (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 ABS



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function: Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Net weight [kg]	A [mm]	D [mm]
Up to ambient temperature ta = 50 °C - body dark grey ABS - diffusor with nanooptics (standard beam angle), transparent acrylate								
NANOTTICA 1.2ft ABS 1600/840	50	1630	1430	10,5	136	0,9	615	110 - 370
NANOTTICA 1.2ft ABS 2200/840 *	45	2360	2080	14,6	142	0,9	615	110 - 370
NANOTTICA 1.4ft ABS 3200/840	50	3260	2870	20,1	143	1,7	1175	700 - 960
NANOTTICA 1.4ft ABS 4400/840 *	45	4520	3980	27,3	146	1,7	1175	700 - 960
NANOTTICA 1.4ft ABS 6400/840 *	45	6500	5720	38,5	149	1,7	1175	700 - 960
NANOTTICA 1.4ft ABS 8000/840	35	8160	7180	49,0	147	1,7	1175	700 - 960
NANOTTICA 1.5ft ABS 4000/840	50	4180	3680	25,3	145	2,0	1455	970 - 1230
NANOTTICA 1.5ft ABS 5500/840 *	45	5590	4920	33,3	148	2,0	1455	970 - 1230
NANOTTICA 1.5ft ABS 8000/840 *	45	8020	7060	47,4	149	2,0	1455	970 - 1230
NANOTTICA 1.5ft ABS 10000/840	35	10350	9110	62,9	145	2,0	1455	970 - 1230

*) Also available with MultiLumen function:

Type	MultiLumen function: Step 2 Luminous flux of light fitting [lm]	Step 2 Power consumption [W]	Step 2 System efficacy [lm/W]	Step 3 Luminous flux of light fitting [lm]	Step 3 Power consumption [W]	Step 3 System efficacy [lm/W]	Step 4 Luminous flux of light fitting [lm]	Step 4 Power consumption [W]	Step 4 System efficacy [lm/W]
NANOTTICA 1.2ft ABS 2200/840 ML	1800	13,0	138	1510	11,0	137	1220	9,1	134
NANOTTICA 1.4ft ABS 4400/840 ML	3450	23,3	148	2910	19,5	149	2360	15,8	149
NANOTTICA 1.4ft ABS 6400/840 ML	4960	32,8	151	4200	27,4	153	3410	22,1	154
NANOTTICA 1.5ft ABS 5500/840 ML	4260	28,4	150	3590	23,6	152	2900	19,1	152
NANOTTICA 1.5ft ABS 8000/840 ML	6130	40,4	152	5180	33,6	154	4200	27,2	154

NANOTTICA ABS

Code	Type	Non-dimmable driver - plastic clips: 1F	3F	M3hAt	3F M3hAt
100610	NANOTTICA 1.2ft ABS 1600/840	100621	100632	x	x
100611	NANOTTICA 1.2ft ABS 2200/840 ML	100622	100633	x	x
100613	NANOTTICA 1.4ft ABS 3200/840	100624	100635	108091	108099
100614	NANOTTICA 1.4ft ABS 4400/840 ML	100625	100636	108092	108100
100615	NANOTTICA 1.4ft ABS 6400/840 ML	100626	100637	108093	108101
110205	NANOTTICA 1.4ft ABS 8000/840	110207	110209	x	x
100617	NANOTTICA 1.5ft ABS 4000/840	100628	100639	108095	108103
100618	NANOTTICA 1.5ft ABS 5500/840 ML	100629	100640	108096	108104
100619	NANOTTICA 1.5ft ABS 8000/840 ML	100630	100641	108097	108105
110206	NANOTTICA 1.5ft ABS 10000/840	110208	110210	x	x

NANOTTICA ABSc

Code	Type	Non-dimmable driver - stainless clips (c)			
		1F	3F	M3hAt	3F M3hAt
100678	NANOTTICA 1.2ft ABSc 1600/840	100689	100700	x	x
100679	NANOTTICA 1.2ft ABSc 2200/840 ML	100690	100701	x	x
100681	NANOTTICA 1.4ft ABSc 3200/840	100692	100703	108107	108115
100682	NANOTTICA 1.4ft ABSc 4400/840 ML	100693	100704	108108	108116
100683	NANOTTICA 1.4ft ABSc 6400/840 ML	100694	100705	108109	108117
110211	NANOTTICA 1.4ft ABSc 8000/840	110213	110215	x	x
100685	NANOTTICA 1.5ft ABSc 4000/840	100696	100707	108111	108119
100686	NANOTTICA 1.5ft ABSc 5500/840 ML	100697	100708	108112	108120
100687	NANOTTICA 1.5ft ABSc 8000/840 ML	100698	100709	108113	108121
110212	NANOTTICA 1.5ft ABSc 10000/840	110214	110216	x	x

NANOTTICA ABS DALI

Code	Type	Digital dimmable driver DALI - plastic clips			
		1F	3F	M3hAt	3F M3hAt
100746	NANOTTICA 1.2ft ABS 1600/840 DALI	100757	x	x	x
100747	NANOTTICA 1.2ft ABS 2200/840 DALI	100758	x	x	x
100749	NANOTTICA 1.4ft ABS 3200/840 DALI	100760	100771	108123	108131
100750	NANOTTICA 1.4ft ABS 4400/840 DALI	100761	100772	108124	108132
100751	NANOTTICA 1.4ft ABS 6400/840 DALI	100762	100773	108125	108133
110217	NANOTTICA 1.4ft ABS 8000/840 DALI	110219	110221	x	x
100753	NANOTTICA 1.5ft ABS 4000/840 DALI	100764	100775	108127	108135
100754	NANOTTICA 1.5ft ABS 5500/840 DALI	100765	100776	108128	108136
100755	NANOTTICA 1.5ft ABS 8000/840 DALI	100766	100777	108129	108137
110218	NANOTTICA 1.5ft ABS 10000/840 DALI	110220	110222	x	x

NANOTTICA ABSc DALI

Code	Type	Digital dimmable driver DALI - stainless clips (c)			
		1F	3F	M3hAt	3F M3hAt
100814	NANOTTICA 1.2ft ABSc 1600/840 DALI	100825	x	x	x
100815	NANOTTICA 1.2ft ABSc 2200/840 DALI	100826	x	x	x
100817	NANOTTICA 1.4ft ABSc 3200/840 DALI	100828	100839	108139	108147
100818	NANOTTICA 1.4ft ABSc 4400/840 DALI	100829	100840	108140	108148
100819	NANOTTICA 1.4ft ABSc 6400/840 DALI	100830	100841	108141	108149
110223	NANOTTICA 1.4ft ABSc 8000/840 DALI	110225	110227	x	x
100821	NANOTTICA 1.5ft ABSc 4000/840 DALI	100832	100843	108143	108151
100822	NANOTTICA 1.5ft ABSc 5500/840 DALI	100833	100844	108144	108152
100823	NANOTTICA 1.5ft ABSc 8000/840 DALI	100834	100845	108145	108153
110224	NANOTTICA 1.5ft ABSc 10000/840 DALI	110226	110228	x	x

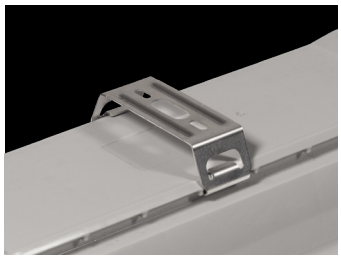
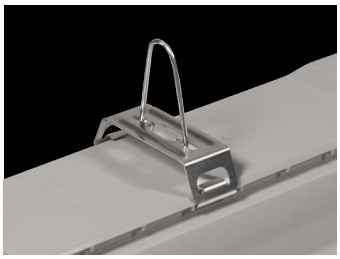
LEGEND

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)

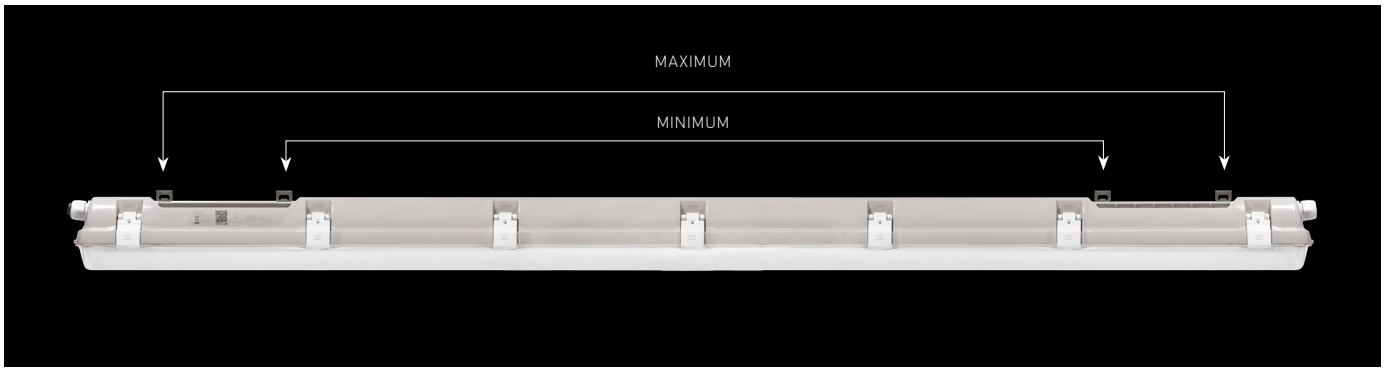
LIGHT FITTING ATTACHMENT

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 ABS



LIGHT FITTING DETAILED VIEW

NANOTTICA ABS





