NANOTTICA VP ABS



... for outdoor sheltered spaces, 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.**

The fitting's **standard beam angle** makes it a great choice for premises with an optimum fitting installation height of **3.5 to 8 m**.

It is intended to be installed **in sheltered outdoor spaces**. It features a ventilation membrane that equalizes pressures while blocking water and contaminants that build up inside of the fitting as a result of temperature fluctuations. The fitting is highly recommended for agricultural buildings and other spaces with chemically aggressive environments due to ammonia fumes, lye fumes, alkali, hot water (hydrolysis) and oils. The product is primarily intended for **agricultural buildings and industrial halls such as farms, stables, production plants and warehouses, and spaces with permanently high humidity (such as car washes and tunnels). Additionally, it is a perfect choice for the tropical zone and coastal areas.** IP69-rated and HACCP-compliant, the fitting's design also makes it a great choice 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

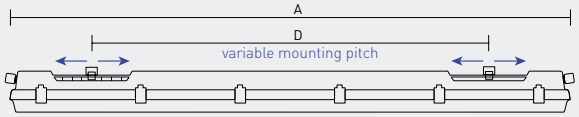
- Patented optics ensures absolute control over light beam distribution
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **chemical resistance**
- **Variable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

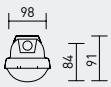
NANOTTICA VP ABS, ABSc



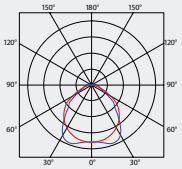
TECHNICAL DESCRIPTION

- 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)
- **A ventilation membrane** in the base equalizes pressures while blocking water and contaminants
- 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 VP 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 (standard beam angle), transparent acrylate								
NANOTTICA 1.2ft VP ABS 1600/840	50	1630	1430	10,5	136	0,9	615	110 - 370
NANOTTICA 1.2ft VP ABS 2200/840 *	45	2360	2080	14,6	142	0,9	615	110 - 370
NANOTTICA 1.4ft VP ABS 3200/840	50	3260	2870	20,1	143	1,7	1175	700 - 960
NANOTTICA 1.4ft VP ABS 4400/840 *	45	4520	3980	27,3	146	1,7	1175	700 - 960
NANOTTICA 1.4ft VP ABS 6400/840 *	45	6500	5720	38,5	149	1,7	1175	700 - 960
NANOTTICA 1.4ft VP ABS 8000/840	35	8160	7180	49,0	147	1,7	1175	700 - 960
NANOTTICA 1.5ft VP ABS 4000/840	50	4180	3680	25,3	145	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP ABS 5500/840 *	45	5590	4920	33,3	148	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP ABS 8000/840 *	45	8020	7060	47,4	149	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP ABS 10000/840	35	10350	9110	62,9	145	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 1.2ft VP ABS 2200/840 ML	1800	13,0	138	1510	11,0	137	1220	9,1	134
NANOTTICA 1.4ft VP ABS 4400/840 ML	3450	23,3	148	2910	19,5	149	2360	15,8	149
NANOTTICA 1.4ft VP ABS 6400/840 ML	4960	32,8	151	4200	27,4	153	3410	22,1	154
NANOTTICA 1.5ft VP ABS 5500/840 ML	4260	28,4	150	3590	23,6	152	2900	19,1	152
NANOTTICA 1.5ft VP ABS 8000/840 ML	6130	40,4	152	5180	33,6	154	4200	27,2	154

NANOTTICA VP ABS

Code	Type	Non-dimmable driver - plastic clips		
		3F	M3hAt	3F M3hAt
101370	NANOTTICA 1.2ft VP ABS 1600/840	101381	x	x
101371	NANOTTICA 1.2ft VP ABS 2200/840 ML	101382	x	x
101373	NANOTTICA 1.4ft VP ABS 3200/840	101384	108315	108323
101374	NANOTTICA 1.4ft VP ABS 4400/840 ML	101385	108316	108324
101375	NANOTTICA 1.4ft VP ABS 6400/840 ML	101386	108317	108325
110269	NANOTTICA 1.4ft VP ABS 8000/840	110271	x	x
101377	NANOTTICA 1.5ft VP ABS 4000/840	101388	108319	108327
101378	NANOTTICA 1.5ft VP ABS 5500/840 ML	101389	108320	108328
101379	NANOTTICA 1.5ft VP ABS 8000/840 ML	101390	108321	108329
110270	NANOTTICA 1.5ft VP ABS 10000/840	110272	x	x

NANOTTICA VP ABSc

Non-dimmable driver - stainless clips (c)

Code	Type	3F	M3hAt	3F M3hAt
101408	NANOTTICA 1.2ft VP ABSc 1600/840	101419	x	x
101409	NANOTTICA 1.2ft VP ABSc 2200/840 ML	101420	x	x
101411	NANOTTICA 1.4ft VP ABSc 3200/840	101422	108331	108339
101412	NANOTTICA 1.4ft VP ABSc 4400/840 ML	101423	108332	108340
101413	NANOTTICA 1.4ft VP ABSc 6400/840 ML	101424	108333	108341
110273	NANOTTICA 1.4ft VP ABSc 8000/840	110275	x	x
101415	NANOTTICA 1.5ft VP ABSc 4000/840	101426	108335	108343
101416	NANOTTICA 1.5ft VP ABSc 5500/840 ML	101427	108336	108344
101417	NANOTTICA 1.5ft VP ABSc 8000/840 ML	101428	108337	108345
110274	NANOTTICA 1.5ft VP ABSc 10000/840	110276	x	x

NANOTTICA VP ABS DALI

Digital dimmable driver DALI - plastic clips

Code	Type	3F	M3hAt	3F M3hAt
101446	NANOTTICA 1.2ft VP ABS 1600/840 DALI	x	x	x
101447	NANOTTICA 1.2ft VP ABS 2200/840 DALI	x	x	x
101449	NANOTTICA 1.4ft VP ABS 3200/840 DALI	101460	108347	108355
101450	NANOTTICA 1.4ft VP ABS 4400/840 DALI	101461	108348	108356
101451	NANOTTICA 1.4ft VP ABS 6400/840 DALI	101462	108349	108357
110277	NANOTTICA 1.4ft VP ABS 8000/840 DALI	110279	x	x
101453	NANOTTICA 1.5ft VP ABS 4000/840 DALI	101464	108351	108359
101454	NANOTTICA 1.5ft VP ABS 5500/840 DALI	101465	108352	108360
101455	NANOTTICA 1.5ft VP ABS 8000/840 DALI	101466	108353	108361
110278	NANOTTICA 1.5ft VP ABS 10000/840 DALI	110280	x	x

NANOTTICA VP ABSc DALI

Digital dimmable driver DALI - stainless clips (c)

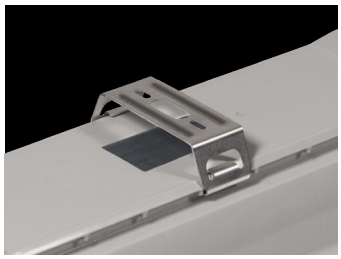
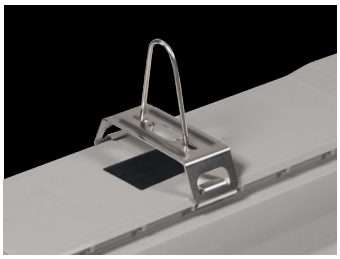
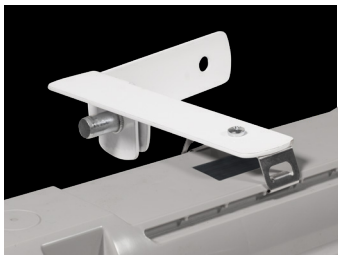
Code	Type	3F	M3hAt	3F M3hAt
101484	NANOTTICA 1.2ft VP ABSc 1600/840 DALI	x	x	x
101485	NANOTTICA 1.2ft VP ABSc 2200/840 DALI	x	x	x
101487	NANOTTICA 1.4ft VP ABSc 3200/840 DALI	101498	108363	108371
101488	NANOTTICA 1.4ft VP ABSc 4400/840 DALI	101499	108364	108372
101489	NANOTTICA 1.4ft VP ABSc 6400/840 DALI	101500	108365	108373
110281	NANOTTICA 1.4ft VP ABSc 8000/840 DALI	110283	x	x
101491	NANOTTICA 1.5ft VP ABSc 4000/840 DALI	101502	108367	108375
101492	NANOTTICA 1.5ft VP ABSc 5500/840 DALI	101503	108368	108376
101493	NANOTTICA 1.5ft VP ABSc 8000/840 DALI	101504	108369	108377
110282	NANOTTICA 1.5ft VP ABSc 10000/840 DALI	110284	x	x

LEGEND

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 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)

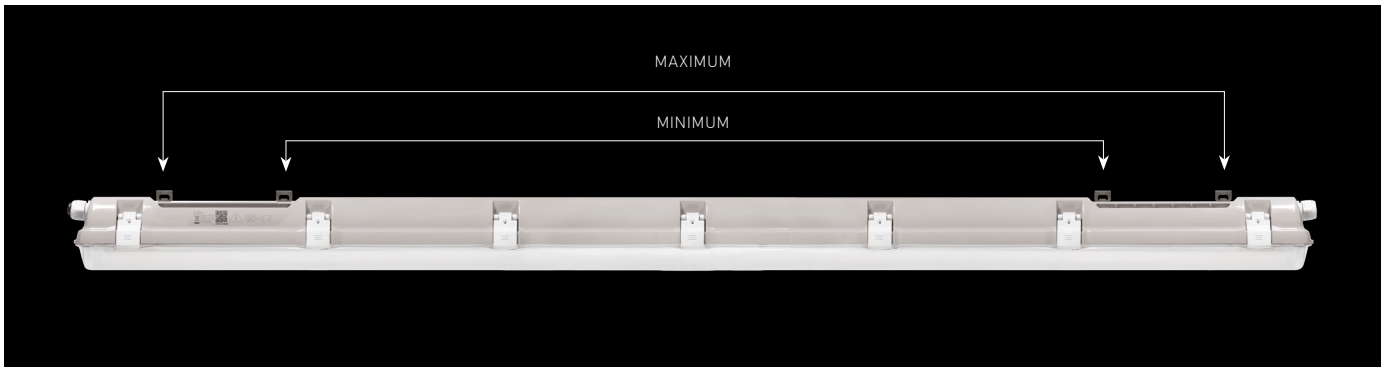
LIGHT FITTING ATTACHMENT

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 VP ABS



LIGHT FITTING DETAILED VIEW

NANOTTICA VP ABS





