NANOTTICA VP



... for outdoor sheltered spaces, ceiling height from 3.5 to 8 m, impact 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 fixture is highly recommended for **industrial premises, warehouses, agricultural buildings, sports facilities as well as transport hubs, car parks and garages, workshops and laboratories** with no explosion hazard. IP69-rated and HACCP-compliant, the fitting's design also makes it a great choice for the food industry.

Made of clear polycarbonate, the base and the diffuser boast **high impact and deformation resistance.** Emissions in the environment of use may reduce the usability of the plastics; for more information see page 421.

ADVANTAGES

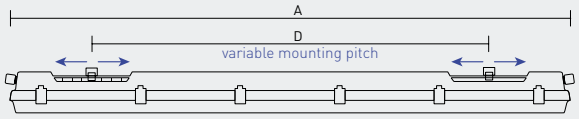
- Patented optics ensures absolute control over light beam distribution
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **mechanical resistance IK10**
- **Variable 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, HACCP**

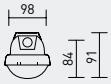
NANOTTICA VP PC, PCc



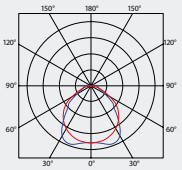
TECHNICAL DESCRIPTION

- 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: **165 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 PC with nanooptics** (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical 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



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: grey polycarbonate - diffusor with nanooptics (standard beam angle), transparent polycarbonate								
NANOTTICA 1.2ft VP PC 1600/840	50	1630	1530	10,5	146	0,9	615	110 - 370
NANOTTICA 1.2ft VP PC 2200/840 *	45	2360	2220	14,6	152	0,9	615	110 - 370
NANOTTICA 1.4ft VP PC 3200/840	50	3260	3060	20,1	152	1,7	1175	700 - 960
NANOTTICA 1.4ft VP PC 4400/840 *	45	4520	4250	27,3	156	1,7	1175	700 - 960
NANOTTICA 1.4ft VP PC 6400/840 *	45	6500	6110	38,5	159	1,7	1175	700 - 960
NANOTTICA 1.4ft VP PC 8000/840	35	8160	7670	49,0	157	1,7	1175	700 - 960
NANOTTICA 1.5ft VP PC 4000/840	50	4180	3930	25,3	155	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP PC 5500/840 *	45	5590	5250	33,3	158	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP PC 8000/840 *	45	8020	7540	47,4	159	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP PC 10000/840	35	10350	9730	62,9	155	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 PC 2200/840 ML	1920	13,0	148	1620	11,0	147	1310	9,1	144
NANOTTICA 1.4ft VP PC 4400/840 ML	3680	23,3	158	3110	19,5	159	2520	15,8	159
NANOTTICA 1.4ft VP PC 6400/840 ML	5300	32,8	162	4480	27,4	164	3640	22,1	165
NANOTTICA 1.5ft VP PC 5500/840 ML	4550	28,4	160	3840	23,6	163	3100	19,1	162
NANOTTICA 1.5ft VP PC 8000/840 ML	6550	40,4	162	5540	33,6	165	4480	27,2	165

NANOTTICA VP PC

Code	Type
101218	NANOTTICA 1.2ft VP PC 1600/840
101219	NANOTTICA 1.2ft VP PC 2200/840 ML
101221	NANOTTICA 1.4ft VP PC 3200/840
101222	NANOTTICA 1.4ft VP PC 4400/840 ML
101223	NANOTTICA 1.4ft VP PC 6400/840 ML
110253	NANOTTICA 1.4ft VP PC 8000/840
101225	NANOTTICA 1.5ft VP PC 4000/840
101226	NANOTTICA 1.5ft VP PC 5500/840 ML
101227	NANOTTICA 1.5ft VP PC 8000/840 ML
110254	NANOTTICA 1.5ft VP PC 10000/840

Non-dimmable driver - plastic clips

3F	M3hAt	3F M3hAt
101229	x	x
101230	x	x
101232	108255	108263
101233	108256	108264
101234	108257	108265
110255	x	x
101236	108259	108267
101237	108260	108268
101238	108261	108269
110256	x	x

NANOTTICA VP PCc

Non-dimmable driver - stainless clips (c)

Code	Type	3F	M3hAt	3F M3hAt
101256	NANOTTICA 1.2ft VP PCc 1600/840	101267	x	x
101257	NANOTTICA 1.2ft VP PCc 2200/840 ML	101268	x	x
101259	NANOTTICA 1.4ft VP PCc 3200/840	101270	108271	108279
101260	NANOTTICA 1.4ft VP PCc 4400/840 ML	101271	108272	108280
101261	NANOTTICA 1.4ft VP PCc 6400/840 ML	101272	108273	108281
110257	NANOTTICA 1.4ft VP PCc 8000/840	110259	x	x
101263	NANOTTICA 1.5ft VP PCc 4000/840	101274	108275	108379
101264	NANOTTICA 1.5ft VP PCc 5500/840 ML	101275	108276	108380
101265	NANOTTICA 1.5ft VP PCc 8000/840 ML	101276	108277	108381
110258	NANOTTICA 1.5ft VP PCc 10000/840	110260	x	x

NANOTTICA VP PC DALI

Digital dimmable driver DALI - plastic clips

Code	Type	3F	M3hAt	3F M3hAt
101294	NANOTTICA 1.2ft VP PC 1600/840 DALI	x	x	x
101295	NANOTTICA 1.2ft VP PC 2200/840 DALI	x	x	x
101297	NANOTTICA 1.4ft VP PC 3200/840 DALI	101308	108283	108291
101298	NANOTTICA 1.4ft VP PC 4400/840 DALI	101309	108284	108292
101299	NANOTTICA 1.4ft VP PC 6400/840 DALI	101310	108285	108293
110261	NANOTTICA 1.4ft VP PC 8000/840 DALI	110263	x	x
101301	NANOTTICA 1.5ft VP PC 4000/840 DALI	101312	108287	108295
101302	NANOTTICA 1.5ft VP PC 5500/840 DALI	101313	108288	108296
101303	NANOTTICA 1.5ft VP PC 8000/840 DALI	101314	108289	108297
110262	NANOTTICA 1.5ft VP PC 10000/840 DALI	110264	x	x

NANOTTICA VP PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	3F	M3hAt	3F M3hAt
101332	NANOTTICA 1.2ft VP PCc 1600/840 DALI	x	x	x
101333	NANOTTICA 1.2ft VP PCc 2200/840 DALI	x	x	x
101335	NANOTTICA 1.4ft VP PCc 3200/840 DALI	101346	108299	108307
101336	NANOTTICA 1.4ft VP PCc 4400/840 DALI	101347	108300	108308
101337	NANOTTICA 1.4ft VP PCc 6400/840 DALI	101348	108301	108309
110265	NANOTTICA 1.4ft VP PCc 8000/840 DALI	110267	x	x
101339	NANOTTICA 1.5ft VP PCc 4000/840 DALI	101350	108303	108311
101340	NANOTTICA 1.5ft VP PCc 5500/840 DALI	101351	108304	108312
101341	NANOTTICA 1.5ft VP PCc 8000/840 DALI	101352	108305	108313
110266	NANOTTICA 1.5ft VP PCc 10000/840 DALI	110268	x	x

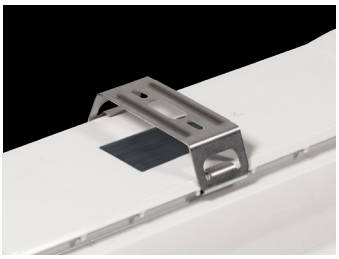
LEGEND

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

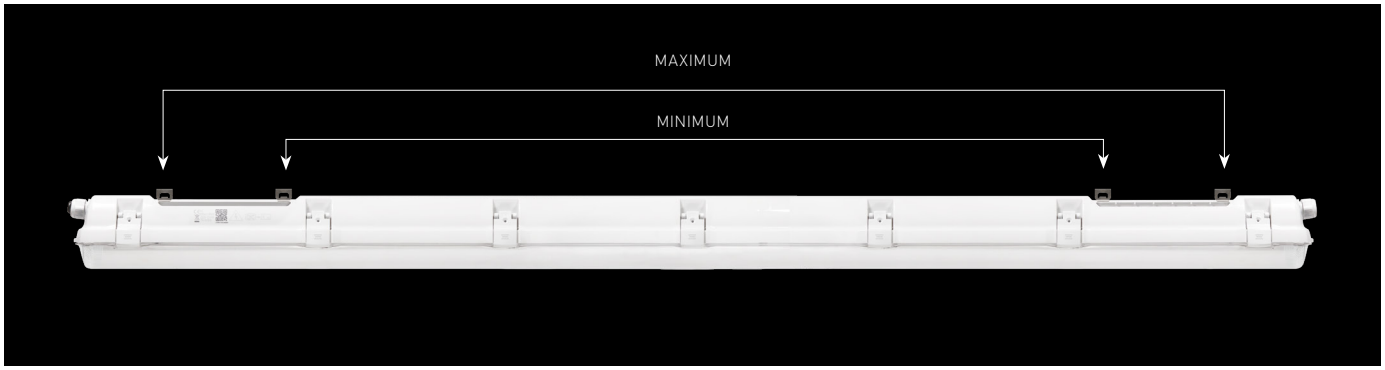
a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks
c) Attachment with the use of side hangers to the wall - is not included in accessories





VARIABLE INSTALLATION PITCH

NANOTTICA VP PC



LIGHT FITTING DETAILED VIEW

NANOTTICA VP PC





