

NANOTTICA VP



... for outdoor sheltered spaces, ceiling height from 3.5 to 8 m, impact resistant.

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**.

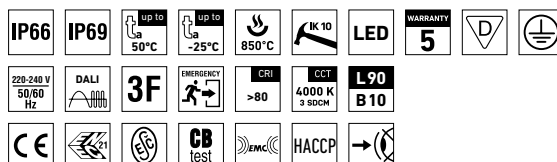
The fitting's **standard beam angle** makes it a great choice for premises with an optimum fitting installation height of **3.5 to 8 m**.

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 321.

ADVANTAGES

- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 19.1 to 23.4**
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from **ta = -25°C to ta = 50°C**
- Lifetime: 50 000 hours / L90B10
- 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
- **Multipurpose snap-in mounting clips – easy attachment** to a track lighting system with a width of 60 mm
- 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: **ESĈ, ENEC, CB, HACCP**



NANOTTICA VP PC, PCc



TECHNICAL DESCRIPTION

- Light fitting protection: **IP66 / IP69**
- Maximum ambient temperature: **ta = 50 °C**
- Maximum ambient temperature: ta = 0-25 °C for version with emergency back-up M1h, M3h
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: **162 lm/W**
- **UGR ranging from 19.1 to 23.4**
- 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
- 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)
- **Multipurpose 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 %

UGR EVALUATED FOR

X = 4 H, Y = 8 H S = 0.25 H

Reflectivity 70/50/20

Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	UGR Longitudinal/transverse	Net weight [kg]	A [mm]	D [mm]
Up to ambient temperature ta = 50 °C - body: grey polycarbonate - diffusor with nanooptics (standard beam angle), transparent polycarbonate									
NANOTTICA 1.2ft VP PC 1300/840	50	1320	1240	8	155	19.1 / 20.1	0,9	615	110 - 370
NANOTTICA 1.2ft VP PC 1600/840	50	1580	1490	10	149	19.7 / 20.7	0,9	615	110 - 370
NANOTTICA 1.2ft VP PC 2200/840	45	2200	2070	14	148	20.9 / 21.8	0,9	615	110 - 370
NANOTTICA 1.4ft VP PC 2600/840	50	2580	2430	16	152	19.2 / 20.3	1,7	1175	700 - 960
NANOTTICA 1.4ft VP PC 3200/840	50	3110	2920	20	146	19.9 / 20.9	1,7	1175	700 - 960
NANOTTICA 1.4ft VP PC 4400/840	45	4350	4090	27	151	21.0 / 22.1	1,7	1175	700 - 960
NANOTTICA 1.4ft VP PC 6400/840	45	6260	5880	38	155	22.3 / 23.4	1,7	1175	700 - 960
NANOTTICA 1.5ft VP PC 3250/840	50	3240	3050	20	153	19.3 / 20.4	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP PC 4000/840	50	3880	3650	24	152	19.9 / 21.0	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP PC 5500/840	45	5420	5090	33	154	21.0 / 22.2	2,0	1455	970 - 1230
NANOTTICA 1.5ft VP PC 8000/840	45	7740	7280	45	162	22.3 / 23.4	2,0	1455	970 - 1230

NANOTTICA VP PC

Code	Type
101217	NANOTTICA 1.2ft VP PC 1300/840
101218	NANOTTICA 1.2ft VP PC 1600/840
101219	NANOTTICA 1.2ft VP PC 2200/840
101220	NANOTTICA 1.4ft VP PC 2600/840
101221	NANOTTICA 1.4ft VP PC 3200/840
101222	NANOTTICA 1.4ft VP PC 4400/840
101223	NANOTTICA 1.4ft VP PC 6400/840
101224	NANOTTICA 1.5ft VP PC 3250/840
101225	NANOTTICA 1.5ft VP PC 4000/840
101226	NANOTTICA 1.5ft VP PC 5500/840
101227	NANOTTICA 1.5ft VP PC 8000/840

Non-dimmable driver - plastic clips

	3F	M3h	3F M3h
	101228	x	x
	101229	x	x
	101230	x	x
	101231	101239	101247
	101232	101240	101248
	101233	101241	101249
	101234	101242	101250
	101235	101243	101251
	101236	101244	101252
	101237	101245	101253
	101238	101246	101254

NANOTTICA VP PCc

Code	Type
101255	NANOTTICA 1.2ft VP PCc 1300/840
101256	NANOTTICA 1.2ft VP PCc 1600/840
101257	NANOTTICA 1.2ft VP PCc 2200/840
101258	NANOTTICA 1.4ft VP PCc 2600/840
101259	NANOTTICA 1.4ft VP PCc 3200/840
101260	NANOTTICA 1.4ft VP PCc 4400/840
101261	NANOTTICA 1.4ft VP PCc 6400/840
101262	NANOTTICA 1.5ft VP PCc 3250/840
101263	NANOTTICA 1.5ft VP PCc 4000/840
101264	NANOTTICA 1.5ft VP PCc 5500/840
101265	NANOTTICA 1.5ft VP PCc 8000/840

Non-dimmable driver - stainless clips (c)

	3F	M3h	3F M3h
	101266	x	x
	101267	x	x
	101268	x	x
	101269	101277	101285
	101270	101278	101286
	101271	101279	101287
	101272	101280	101288
	101273	101281	101289
	101274	101282	101290
	101275	101283	101291
	101276	101284	101292

NANOTTICA VP PC DALI

Code	Type
101293	NANOTTICA 1.2ft VP PC 1300/840 DALI
101294	NANOTTICA 1.2ft VP PC 1600/840 DALI
101295	NANOTTICA 1.2ft VP PC 2200/840 DALI
101296	NANOTTICA 1.4ft VP PC 2600/840 DALI
101297	NANOTTICA 1.4ft VP PC 3200/840 DALI
101298	NANOTTICA 1.4ft VP PC 4400/840 DALI
101299	NANOTTICA 1.4ft VP PC 6400/840 DALI
101300	NANOTTICA 1.5ft VP PC 3250/840 DALI
101301	NANOTTICA 1.5ft VP PC 4000/840 DALI
101302	NANOTTICA 1.5ft VP PC 5500/840 DALI
101303	NANOTTICA 1.5ft VP PC 8000/840 DALI

Digital dimmable driver DALI - plastic clips

3F	M3h	3F M3h
x	x	x
x	x	x
x	x	x
101307	101315	101323
101308	101316	101324
101309	101317	101325
101310	101318	101326
101311	101319	101327
101312	101320	101328
101313	101321	101329
101314	101322	101330

NANOTTICA VP PCc DALI

Code	Type
101331	NANOTTICA 1.2ft VP PCc 1300/840 DALI
101332	NANOTTICA 1.2ft VP PCc 1600/840 DALI
101333	NANOTTICA 1.2ft VP PCc 2200/840 DALI
101334	NANOTTICA 1.4ft VP PCc 2600/840 DALI
101335	NANOTTICA 1.4ft VP PCc 3200/840 DALI
101336	NANOTTICA 1.4ft VP PCc 4400/840 DALI
101337	NANOTTICA 1.4ft VP PCc 6400/840 DALI
101338	NANOTTICA 1.5ft VP PCc 3250/840 DALI
101339	NANOTTICA 1.5ft VP PCc 4000/840 DALI
101340	NANOTTICA 1.5ft VP PCc 5500/840 DALI
101341	NANOTTICA 1.5ft VP PCc 8000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

3F	M3h	3F M3h
x	x	x
x	x	x
x	x	x
101345	101353	101361
101346	101354	101362
101347	101355	101363
101348	101356	101364
101349	101357	101365
101350	101358	101366
101351	101359	101367
101352	101360	101368

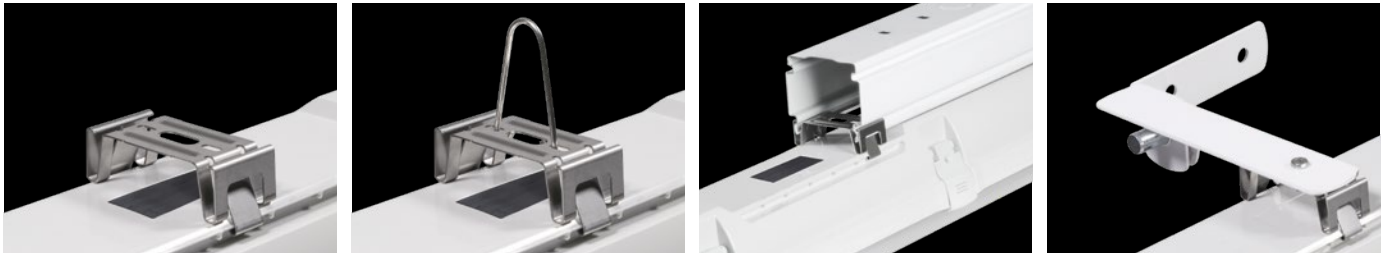
LEGEND

- 1F** 1-phase 3 core through-wiring in the luminaire
- 3F** 3-phase 5 core through-wiring in the luminaire
- M1h** emergency back-up source with 1 hour operating time for maintained emergency illumination
- M3h** emergency back-up source with 3 hour operating time for maintained emergency illumination
- 3F Mxh** 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 Mxh** 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) To be attached to a track lighting system with a width of 60 mm using stainless steel snap-in mounting clips
- d) Attachment with the use of side hangers to the wall

**VARIABLE INSTALLATION PITCH**

NANOTTICA VP PC

**LIGHT FITTING DETAILED VIEW**

NANOTTICA VP PC

