

NANOTTICA CLASS II



... class II insulation, 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**.

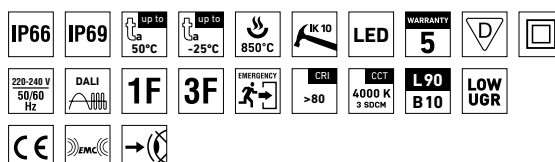
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

Its **standard beam angle** makes it a perfect choice for premises with an optimum luminaire installation height of **3.5 to 8 m**. The fixture is intended for indoor spaces, **industrial and agricultural buildings, warehouses, rail vehicle maintenance facilities, platforms, substations, depots, car parks, 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 407.

ADVANTAGES

- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 20,0 to 23,7**
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from $t_a = -25^{\circ}\text{C}$ to $t_a = 50^{\circ}\text{C}$
- 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
- Optional throughwiring (up to 6 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

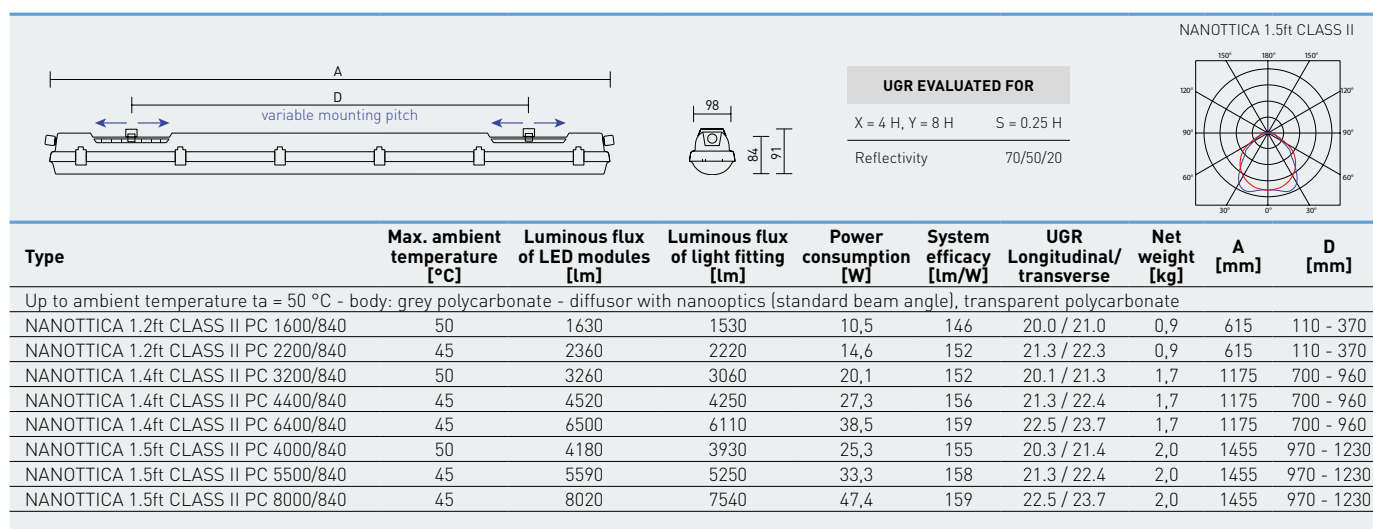


NANOTTICA CLASS II PC, PCc



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: **159 lm/W**
- **UGR ranging from 20,0 to 23,7**
- 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)
- 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
- **External terminal block** 2 or 4-pole, conductor cross-sectional area: 1.5 or 2.5 mm², or 6-pole Wieland connector (DALI 3F)
- The package includes the opposite of the counterpart
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %



NANOTTICA CLASS II PC

Code	Type
101814	NANOTTICA 1.2ft CLASS II PC 1600/840
101815	NANOTTICA 1.2ft CLASS II PC 2200/840
101817	NANOTTICA 1.4ft CLASS II PC 3200/840
101818	NANOTTICA 1.4ft CLASS II PC 4400/840
101819	NANOTTICA 1.4ft CLASS II PC 6400/840
101821	NANOTTICA 1.5ft CLASS II PC 4000/840
101822	NANOTTICA 1.5ft CLASS II PC 5500/840
101823	NANOTTICA 1.5ft CLASS II PC 8000/840

Non-dimmable driver - plastic clips

1F	3F	M3hAt	3F M3hAt
101825	101836	x	x
101826	101837	x	x
101828	101839	108447	108455
101829	101840	108448	108456
101830	101841	108449	108457
101832	101843	108451	108459
101833	101844	108452	108460
101834	101845	108453	108461

NANOTTICA CLASS II PCc

Code	Type
101879	NANOTTICA 1.2ft CLASS II PCc 1600/840
101880	NANOTTICA 1.2ft CLASS II PCc 2200/840
101882	NANOTTICA 1.4ft CLASS II PCc 3200/840
101883	NANOTTICA 1.4ft CLASS II PCc 4400/840
101884	NANOTTICA 1.4ft CLASS II PCc 6400/840
101886	NANOTTICA 1.5ft CLASS II PCc 4000/840
101887	NANOTTICA 1.5ft CLASS II PCc 5500/840
101888	NANOTTICA 1.5ft CLASS II PCc 8000/840

Non-dimmable driver - stainless clips [c]

1F	3F	M3hAt	3F M3hAt
101890	101901	x	x
101891	101902	x	x
101893	101904	108463	108471
101894	101905	108464	108472
101895	101906	108465	108473
101897	101908	108467	108507
101898	101909	108468	108508
101899	101910	108469	108509

NANOTTICA CLASS II PC DALI

Code	Type
101944	NANOTTICA 1.2ft CLASS II PC 1600/840 DALI
101945	NANOTTICA 1.2ft CLASS II PC 2200/840 DALI
101947	NANOTTICA 1.4ft CLASS II PC 3200/840 DALI
101948	NANOTTICA 1.4ft CLASS II PC 4400/840 DALI
101949	NANOTTICA 1.4ft CLASS II PC 6400/840 DALI
101951	NANOTTICA 1.5ft CLASS II PC 4000/840 DALI
101952	NANOTTICA 1.5ft CLASS II PC 5500/840 DALI
101953	NANOTTICA 1.5ft CLASS II PC 8000/840 DALI

Digital dimmable driver DALI - plastic clips

1F	3F	M3hAt	3F M3hAt
101955	x	x	x
101956	x	x	x
101958	101969	108475	108483
101959	101970	108476	108484
101960	101971	108477	108485
101962	101973	108479	108487
101963	101974	108480	108488
101964	101975	108481	108489

NANOTTICA CLASS II PCc DALI

Code	Type
102009	NANOTTICA 1.2ft CLASS II PCc 1600/840 DALI
102010	NANOTTICA 1.2ft CLASS II PCc 2200/840 DALI
102012	NANOTTICA 1.4ft CLASS II PCc 3200/840 DALI
102013	NANOTTICA 1.4ft CLASS II PCc 4400/840 DALI
102014	NANOTTICA 1.4ft CLASS II PCc 6400/840 DALI
102016	NANOTTICA 1.5ft CLASS II PCc 4000/840 DALI
102017	NANOTTICA 1.5ft CLASS II PCc 5500/840 DALI
102018	NANOTTICA 1.5ft CLASS II PCc 8000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

1F	3F	M3hAt	3F M3hAt
102020	x	x	x
102021	x	x	x
102023	102034	108491	108499
102024	102035	108492	108500
102025	102036	108493	108501
102027	102038	108495	108503
102028	102039	108496	108504
102029	102040	108497	108505

LEGEND

- 1F** - 1-phase 2 core through-wiring in the luminaire
3F - 3-phase 4 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 4 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 4 core through-wiring in the luminaire
DALI 3F - 3-phase 6 core through-wiring in the luminaire
DALI 3F M3hAt - 3-phase 6 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

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LIGHT FITTING DETAILED VIEW

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