

# NANOTTICA TRS



... exceptionally low UGR, ceiling height from 3.5 to 8 m, impact resistant.

## USE

Compared to its basic version, **fully transparent** Nanottica TRS PC boasts considerably **lower UGR values**.

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**. It is designed for indoor spaces, **industrial premises, agricultural buildings, warehouses as well as sports facilities, 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 407.

## ADVANTAGES

- Maximum light fitting efficiency: **159 lm/W**
- Patented optics ensures absolute control over light beam distribution
- Exceptionally low UGR values **range from 17,9 to 23,5**
- 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 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, ESC, ENEC, CB, HACCP**

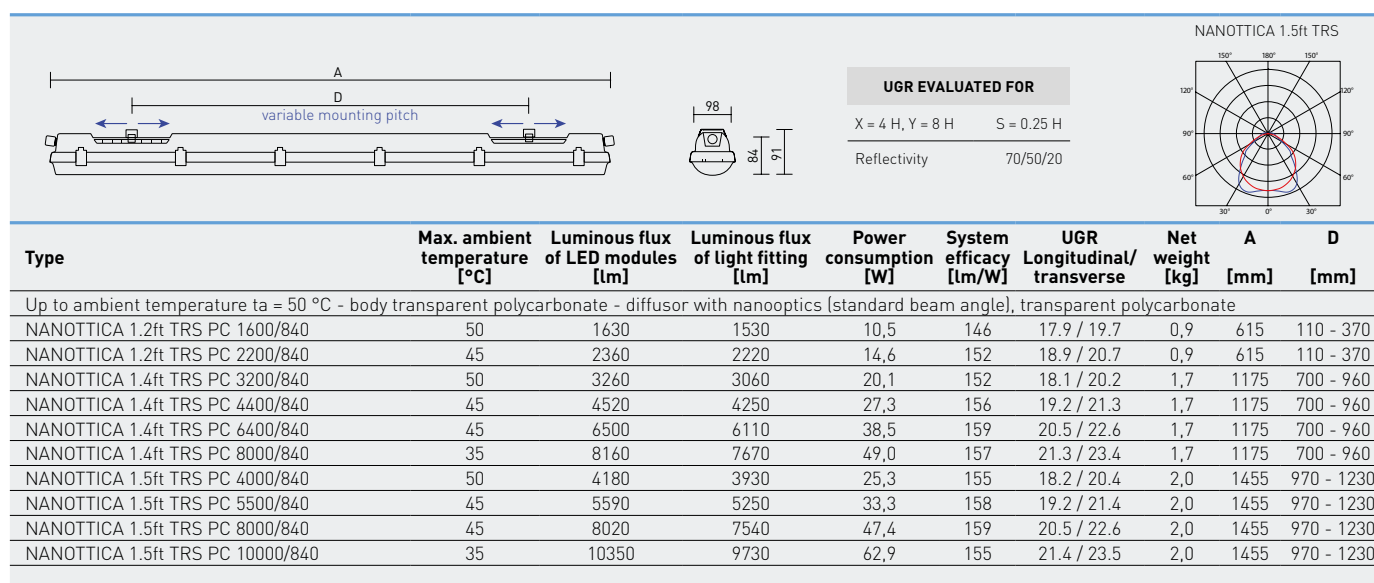


## NANOTTICA TRS PC, PCc



## 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 17,9 to 23,5**
- 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: **transparent 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
- 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  $\pm 7.5\%$



## NANOTTICA TRS PC

Code	Type
103119	NANOTTICA 1.2ft TRS PC 1600/840
103120	NANOTTICA 1.2ft TRS PC 2200/840
101545	NANOTTICA 1.4ft TRS PC 3200/840
101546	NANOTTICA 1.4ft TRS PC 4400/840
101547	NANOTTICA 1.4ft TRS PC 6400/840
110133	NANOTTICA 1.4ft TRS PC 8000/840
101549	NANOTTICA 1.5ft TRS PC 4000/840
101550	NANOTTICA 1.5ft TRS PC 5500/840
101551	NANOTTICA 1.5ft TRS PC 8000/840
110134	NANOTTICA 1.5ft TRS PC 10000/840

Non-dimmable driver - plastic clips

1F	3F	M3hAt	3F M3hAt
101553	101564	x	x
101554	101565	x	x
101556	101567	108383	108391
101557	101568	108384	108392
101558	101569	108385	108393
110135	110137	x	x
101560	101571	108387	108395
101561	101572	108388	108396
101562	101573	108389	108397
110136	110138	x	x

## NANOTTICA TRS PCc

Code	Type
101610	NANOTTICA 1.2ft TRS PCc 1600/840
101611	NANOTTICA 1.2ft TRS PCc 2200/840
101613	NANOTTICA 1.4ft TRS PCc 3200/840
101614	NANOTTICA 1.4ft TRS PCc 4400/840
101615	NANOTTICA 1.4ft TRS PCc 6400/840
110139	NANOTTICA 1.4ft TRS PCc 8000/840
101617	NANOTTICA 1.5ft TRS PCc 4000/840
101618	NANOTTICA 1.5ft TRS PCc 5500/840
101619	NANOTTICA 1.5ft TRS PCc 8000/840
110140	NANOTTICA 1.5ft TRS PCc 10000/840

Non-dimmable driver - stainless clips [c]

1F	3F	M3hAt	3F M3hAt
101621	101632	x	x
101622	101633	x	x
101624	101635	108399	108407
101625	101636	108400	108408
101626	101637	108401	108409
110141	110143	x	x
101628	101639	108403	108443
101629	101640	108404	108444
101630	101641	108405	108445
110142	110144	x	x

## NANOTTICA TRS PC DALI

Code	Type
101678	NANOTTICA 1.2ft TRS PC 1600/840 DALI
101679	NANOTTICA 1.2ft TRS PC 2200/840 DALI
101681	NANOTTICA 1.4ft TRS PC 3200/840 DALI
101682	NANOTTICA 1.4ft TRS PC 4400/840 DALI
101683	NANOTTICA 1.4ft TRS PC 6400/840 DALI
110145	NANOTTICA 1.4ft TRS PC 8000/840 DALI
101685	NANOTTICA 1.5ft TRS PC 4000/840 DALI
101686	NANOTTICA 1.5ft TRS PC 5500/840 DALI
101687	NANOTTICA 1.5ft TRS PC 8000/840 DALI
110146	NANOTTICA 1.5ft TRS PC 10000/840 DALI

## Digital dimmable driver DALI - plastic clips

1F	3F	M3hAt	3F M3hAt
101689	x	x	x
101690	x	x	x
101692	101703	108411	108419
101693	101704	108412	108420
101694	101705	108413	108421
110147	110149	x	x
101696	101707	108415	108423
101697	101708	108416	108424
101698	101709	108417	108425
110148	110150	x	x

## NANOTTICA TRS PCc DALI

Code	Type
101746	NANOTTICA 1.2ft TRS PCc 1600/840 DALI
101747	NANOTTICA 1.2ft TRS PCc 2200/840 DALI
101749	NANOTTICA 1.4ft TRS PCc 3200/840 DALI
101750	NANOTTICA 1.4ft TRS PCc 4400/840 DALI
101751	NANOTTICA 1.4ft TRS PCc 6400/840 DALI
110151	NANOTTICA 1.4ft TRS PCc 8000/840 DALI
101753	NANOTTICA 1.5ft TRS PCc 4000/840 DALI
101754	NANOTTICA 1.5ft TRS PCc 5500/840 DALI
101755	NANOTTICA 1.5ft TRS PCc 8000/840 DALI
110152	NANOTTICA 1.5ft TRS PCc 10000/840 DALI

## Digital dimmable driver DALI - stainless clips (c)

1F	3F	M3hAt	3F M3hAt
101757	x	x	x
101758	x	x	x
101760	101771	108427	108435
101761	101772	108428	108436
101762	101773	108429	108437
110153	110155	x	x
101764	101775	108431	108439
101765	101776	108432	108440
101766	101777	108433	108441
110154	110156	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 TRS



## LIGHT FITTING DETAILED VIEW

NANOTTICA TRS

