

NANOTTICA ES TRS



... energy saver, exceptional efficiency and UGR,
ceiling height from 3.5 to 8 m, impact resistant.

USE

Compared to its basic version, **fully transparent** Nanottica ES TRS PC boasts considerably **lower UGR values** as well as **lower energy consumption**, the latter translating into considerably **higher luminous efficacy (lm/W)**.

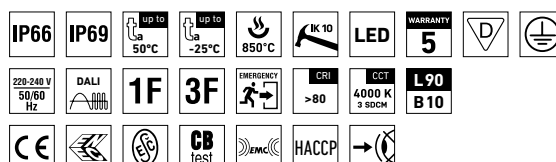
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

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.

ADVANTAGES

- Maximum light fitting efficiency: **155 lm/W**
- Patented optics ensures absolute control over light beam distribution
- Exceptionally low UGR values **range from 16.9 to 22.4**
- 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
- 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**

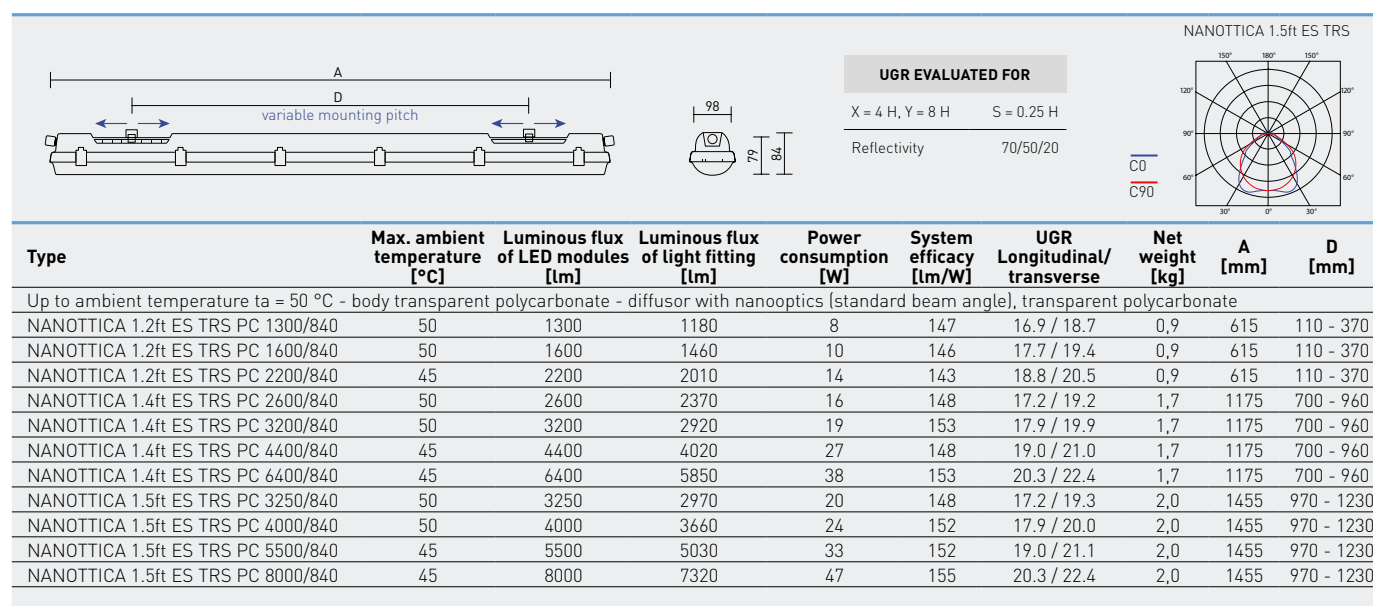


NANOTTICA ES TRS PC, PCc



TECHNICAL DESCRIPTION

- Light fitting protection: **IP66 / IP69**
- Maximum ambient temperature: **ta = 50 °C**
- Maximum ambient temperature: ta = 25 °C for version with emergency back-up M1h, M3h
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: **155 lm/W**
- **UGR ranging from 16.9 to 22.4**
- 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: **transparent PC** (high mechanical resistance, UV stability)
- 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 (standard), or rubber (SBS)
- 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 ES TRS PC

Code	Type
103134	NANOTTICA 1.2ft ES TRS PC 1300/840
103135	NANOTTICA 1.2ft ES TRS PC 1600/840
103136	NANOTTICA 1.2ft ES TRS PC 2200/840
103137	NANOTTICA 1.4ft ES TRS PC 2600/840
103138	NANOTTICA 1.4ft ES TRS PC 3200/840
103139	NANOTTICA 1.4ft ES TRS PC 4400/840
103140	NANOTTICA 1.4ft ES TRS PC 6400/840
103141	NANOTTICA 1.5ft ES TRS PC 3250/840
103142	NANOTTICA 1.5ft ES TRS PC 4000/840
103143	NANOTTICA 1.5ft ES TRS PC 5500/840
103144	NANOTTICA 1.5ft ES TRS PC 8000/840

Non-dimmable driver - plastic clips

1F	3F	M1h	M3h	3F M1h	3F M3h
103145	103156	103167	x	x	x
103146	103157	103168	x	x	x
103147	103158	103169	x	x	x
103148	103159	103170	103178	103186	103194
103149	103160	103171	103179	103187	103195
103150	103161	103172	103180	103188	103196
103151	103162	103173	103181	103189	103197
103152	103163	103174	103182	103190	103198
103153	103164	103175	103183	103191	103199
103154	103165	103176	103184	103192	103200
103155	103166	103177	103185	103193	103201

NANOTTICA ES TRS PCc

Code	Type
103202	NANOTTICA 1.2ft ES TRS PCc 1300/840
103203	NANOTTICA 1.2ft ES TRS PCc 1600/840
103204	NANOTTICA 1.2ft ES TRS PCc 2200/840
103205	NANOTTICA 1.4ft ES TRS PCc 2600/840
103206	NANOTTICA 1.4ft ES TRS PCc 3200/840
103207	NANOTTICA 1.4ft ES TRS PCc 4400/840
103208	NANOTTICA 1.4ft ES TRS PCc 6400/840
103209	NANOTTICA 1.5ft ES TRS PCc 3250/840
103210	NANOTTICA 1.5ft ES TRS PCc 4000/840
103211	NANOTTICA 1.5ft ES TRS PCc 5500/840
103212	NANOTTICA 1.5ft ES TRS PCc 8000/840

Non-dimmable driver - stainless clips (c)

1F	3F	M1h	M3h	3F M1h	3F M3h
103213	103224	103235	x	x	x
103214	103225	103236	x	x	x
103215	103226	103237	x	x	x
103216	103227	103238	103246	103254	103262
103217	103228	103239	103247	103255	103263
103218	103229	103240	103248	103256	103264
103219	103230	103241	103249	103257	103265
103220	103231	103242	103250	103258	103266
103221	103232	103243	103251	103259	103267
103222	103233	103244	103252	103260	103268
103223	103234	103245	103253	103261	103269

NANOTTICA ES TRS PC DALI

Code	Type
103270	NANOTTICA 1.2ft ES TRS PC 1300/840 DALI
103271	NANOTTICA 1.2ft ES TRS PC 1600/840 DALI
103272	NANOTTICA 1.2ft ES TRS PC 2200/840 DALI
103273	NANOTTICA 1.4ft ES TRS PC 2600/840 DALI
103274	NANOTTICA 1.4ft ES TRS PC 3200/840 DALI
103275	NANOTTICA 1.4ft ES TRS PC 4400/840 DALI
103276	NANOTTICA 1.4ft ES TRS PC 6400/840 DALI
103277	NANOTTICA 1.5ft ES TRS PC 3250/840 DALI
103278	NANOTTICA 1.5ft ES TRS PC 4000/840 DALI
103279	NANOTTICA 1.5ft ES TRS PC 5500/840 DALI
103280	NANOTTICA 1.5ft ES TRS PC 8000/840 DALI

Digital dimmable driver DALI - plastic clips

1F	3F	M1h	M3h	3F M1h	3F M3h
103281	x	103303	x	x	x
103282	x	103304	x	x	x
103283	x	103305	x	x	x
103284	103295	103306	103314	103322	103330
103285	103296	103307	103315	103323	103331
103286	103297	103308	103316	103324	103332
103287	103298	103309	103317	103325	103333
103288	103299	103310	103318	103326	103334
103289	103300	103311	103319	103327	103335
103290	103301	103312	103320	103328	103336
103291	103302	103313	103321	103329	103337

NANOTTICA ES TRS PCc DALI

Code	Type
103338	NANOTTICA 1.2ft ES TRS PCc 1300/840 DALI
103339	NANOTTICA 1.2ft ES TRS PCc 1600/840 DALI
103340	NANOTTICA 1.2ft ES TRS PCc 2200/840 DALI
103341	NANOTTICA 1.4ft ES TRS PCc 2600/840 DALI
103342	NANOTTICA 1.4ft ES TRS PCc 3200/840 DALI
103343	NANOTTICA 1.4ft ES TRS PCc 4400/840 DALI
103344	NANOTTICA 1.4ft ES TRS PCc 6400/840 DALI
103345	NANOTTICA 1.5ft ES TRS PCc 3250/840 DALI
103346	NANOTTICA 1.5ft ES TRS PCc 4000/840 DALI
103347	NANOTTICA 1.5ft ES TRS PCc 5500/840 DALI
103348	NANOTTICA 1.5ft ES TRS PCc 8000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

1F	3F	M1h	M3h	3F M1h	3F M3h
103349	x	103371	x	x	x
103350	x	103372	x	x	x
103351	x	103373	x	x	x
103352	103363	103374	103382	103390	103398
103353	103364	103375	103383	103391	103399
103354	103365	103376	103384	103392	103400
103355	103366	103377	103385	103393	103401
103356	103367	103378	103386	103394	103402
103357	103368	103379	103387	103395	103403
103358	103369	103380	103388	103396	103404
103359	103370	103381	103389	103397	103405

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 ES TRS



LIGHT FITTING DETAILED VIEW

NANOTTICA ES TRS

