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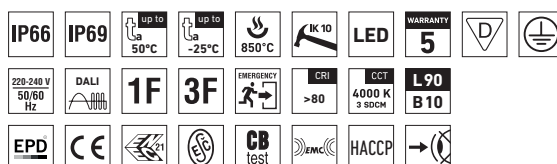
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance.** These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

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; for more information see page 367.

ADVANTAGES

- Maximum light fitting efficiency: **171 lm/W**
- Patented optics ensures absolute control over light beam distribution
- Exceptionally low UGR values **range from 17.1 to 22.5**
- 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

- 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
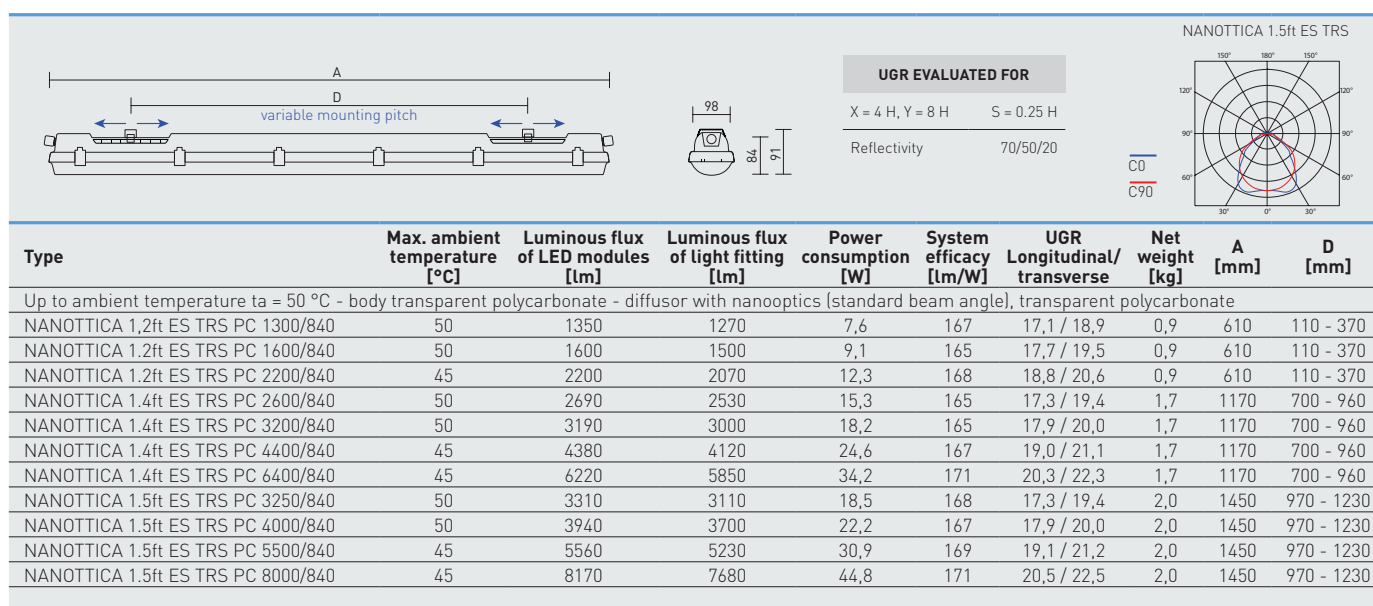- Certificates: **EPD, ESČ, ENEC, CB, HACCP**

NANOTTICA ES TRS 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: **171 lm/W**
- **UGR ranging from 17.1 to 22.5**
- 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 (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 %

| A | | D variable mounting pitch | | 98 / 84 / 91 | UGR EVALUATED FOR | | NANOTTICA 1.5ft ES TRS |

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 transparent polycarbonate - diffusor with nanooptics (standard beam angle), transparent polycarbonate									
NANOTTICA 1,2ft ES TRS PC 1300/840	50	1350	1270	7,6	167	17,1 / 18,9	0,9	610	110 - 370
NANOTTICA 1.2ft ES TRS PC 1600/840	50	1600	1500	9,1	165	17,7 / 19,5	0,9	610	110 - 370
NANOTTICA 1.2ft ES TRS PC 2200/840	45	2200	2070	12,3	168	18,8 / 20,6	0,9	610	110 - 370
NANOTTICA 1.4ft ES TRS PC 2600/840	50	2690	2530	15,3	165	17,3 / 19,4	1,7	1170	700 - 960
NANOTTICA 1.4ft ES TRS PC 3200/840	50	3190	3000	18,2	165	17,9 / 20,0	1,7	1170	700 - 960
NANOTTICA 1.4ft ES TRS PC 4400/840	45	4380	4120	24,6	167	19,0 / 21,1	1,7	1170	700 - 960
NANOTTICA 1.4ft ES TRS PC 6400/840	45	6220	5850	34,2	171	20,3 / 22,3	1,7	1170	700 - 960
NANOTTICA 1.5ft ES TRS PC 3250/840	50	3310	3110	18,5	168	17,3 / 19,4	2,0	1450	970 - 1230
NANOTTICA 1.5ft ES TRS PC 4000/840	50	3940	3700	22,2	167	17,9 / 20,0	2,0	1450	970 - 1230
NANOTTICA 1.5ft ES TRS PC 5500/840	45	5560	5230	30,9	169	19,1 / 21,2	2,0	1450	970 - 1230
NANOTTICA 1.5ft ES TRS PC 8000/840	45	8170	7680	44,8	171	20,5 / 22,5	2,0	1450	970 - 1230

NANOTTICA ES TRS PC

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
103134	NANOTTICA 1.2ft ES TRS PC 1300/840	103145	103156	x	x	x	x
103135	NANOTTICA 1.2ft ES TRS PC 1600/840	103146	103157	x	x	x	x
103136	NANOTTICA 1.2ft ES TRS PC 2200/840	103147	103158	x	x	x	x
103137	NANOTTICA 1.4ft ES TRS PC 2600/840	103148	103159	103170	103178	103186	103194
103138	NANOTTICA 1.4ft ES TRS PC 3200/840	103149	103160	103171	103179	103187	103195
103139	NANOTTICA 1.4ft ES TRS PC 4400/840	103150	103161	103172	103180	103188	103196
103140	NANOTTICA 1.4ft ES TRS PC 6400/840	103151	103162	103173	103181	103189	103197
103141	NANOTTICA 1.5ft ES TRS PC 3250/840	103152	103163	103174	103182	103190	103198
103142	NANOTTICA 1.5ft ES TRS PC 4000/840	103153	103164	103175	103183	103191	103199
103143	NANOTTICA 1.5ft ES TRS PC 5500/840	103154	103165	103176	103184	103192	103200
103144	NANOTTICA 1.5ft ES TRS PC 8000/840	103155	103166	103177	103185	103193	103201

NANOTTICA ES TRS PCc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
103202	NANOTTICA 1.2ft ES TRS PCc 1300/840	103213	103224	x	x	x	x
103203	NANOTTICA 1.2ft ES TRS PCc 1600/840	103214	103225	x	x	x	x
103204	NANOTTICA 1.2ft ES TRS PCc 2200/840	103215	103226	x	x	x	x
103205	NANOTTICA 1.4ft ES TRS PCc 2600/840	103216	103227	103238	103246	103254	103262
103206	NANOTTICA 1.4ft ES TRS PCc 3200/840	103217	103228	103239	103247	103255	103263
103207	NANOTTICA 1.4ft ES TRS PCc 4400/840	103218	103229	103240	103248	103256	103264
103208	NANOTTICA 1.4ft ES TRS PCc 6400/840	103219	103230	103241	103249	103257	103265
103209	NANOTTICA 1.5ft ES TRS PCc 3250/840	103220	103231	103242	103250	103258	103266
103210	NANOTTICA 1.5ft ES TRS PCc 4000/840	103221	103232	103243	103251	103259	103267
103211	NANOTTICA 1.5ft ES TRS PCc 5500/840	103222	103233	103244	103252	103260	103268
103212	NANOTTICA 1.5ft ES TRS PCc 8000/840	103223	103234	103245	103253	103261	103269

NANOTTICA ES TRS PC DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
103270	NANOTTICA 1.2ft ES TRS PC 1300/840 DALI	103281	x	x	x	x	x
103271	NANOTTICA 1.2ft ES TRS PC 1600/840 DALI	103282	x	x	x	x	x
103272	NANOTTICA 1.2ft ES TRS PC 2200/840 DALI	103283	x	x	x	x	x
103273	NANOTTICA 1.4ft ES TRS PC 2600/840 DALI	103284	103295	103306	103314	103322	103330
103274	NANOTTICA 1.4ft ES TRS PC 3200/840 DALI	103285	103296	103307	103315	103323	103331
103275	NANOTTICA 1.4ft ES TRS PC 4400/840 DALI	103286	103297	103308	103316	103324	103332
103276	NANOTTICA 1.4ft ES TRS PC 6400/840 DALI	103287	103298	103309	103317	103325	103333
103277	NANOTTICA 1.5ft ES TRS PC 3250/840 DALI	103288	103299	103310	103318	103326	103334
103278	NANOTTICA 1.5ft ES TRS PC 4000/840 DALI	103289	103300	103311	103319	103327	103335
103279	NANOTTICA 1.5ft ES TRS PC 5500/840 DALI	103290	103301	103312	103320	103328	103336
103280	NANOTTICA 1.5ft ES TRS PC 8000/840 DALI	103291	103302	103313	103321	103329	103337

NANOTTICA ES TRS PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
103338	NANOTTICA 1.2ft ES TRS PCc 1300/840 DALI	103349	x	x	x	x	x
103339	NANOTTICA 1.2ft ES TRS PCc 1600/840 DALI	103350	x	x	x	x	x
103340	NANOTTICA 1.2ft ES TRS PCc 2200/840 DALI	103351	x	x	x	x	x
103341	NANOTTICA 1.4ft ES TRS PCc 2600/840 DALI	103352	103363	103374	103382	103390	103398
103342	NANOTTICA 1.4ft ES TRS PCc 3200/840 DALI	103353	103364	103375	103383	103391	103399
103343	NANOTTICA 1.4ft ES TRS PCc 4400/840 DALI	103354	103365	103376	103384	103392	103400
103344	NANOTTICA 1.4ft ES TRS PCc 6400/840 DALI	103355	103366	103377	103385	103393	103401
103345	NANOTTICA 1.5ft ES TRS PCc 3250/840 DALI	103356	103367	103378	103386	103394	103402
103346	NANOTTICA 1.5ft ES TRS PCc 4000/840 DALI	103357	103368	103379	103387	103395	103403
103347	NANOTTICA 1.5ft ES TRS PCc 5500/840 DALI	103358	103369	103380	103388	103396	103404
103348	NANOTTICA 1.5ft ES TRS PCc 8000/840 DALI	103359	103370	103381	103389	103397	103405

LEGEND

1F	1-phase 3 core through-wiring in the luminaire	**DALI**	version with digital dimmable driver DALI
3F	3-phase 5 core through-wiring in the luminaire	**DALI 1F**	1-phase 5 core through-wiring in the luminaire
M1h	emergency back-up source with 1 hour operating time for maintained emergency illumination	**DALI 3F**	3-phase 7 core through-wiring in the luminaire
M3h	emergency back-up source with 3 hour operating time for maintained emergency illumination	**DALI 3F Mxh**	3-phase 7 core through-wiring in the luminaire
3F Mxh	3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)		(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 ES TRS

MAXIMUM

MINIMUM

LIGHT FITTING DETAILED VIEW

NANOTTICA ES TRS