

NANOTTICA ES



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

USE

Compared to its basic version, Nanottica ES boasts **lower energy consumption**, which translates into **considerably higher luminous efficacy (lm/W)**.

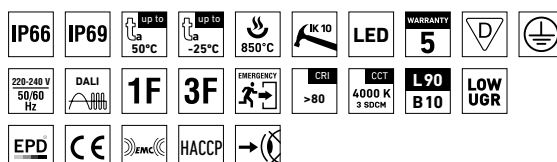
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

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 407.

ADVANTAGES

- Maximum light fitting efficiency: **171 lm/W**
- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 19.8 to 23.6**
- 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, HACCP**

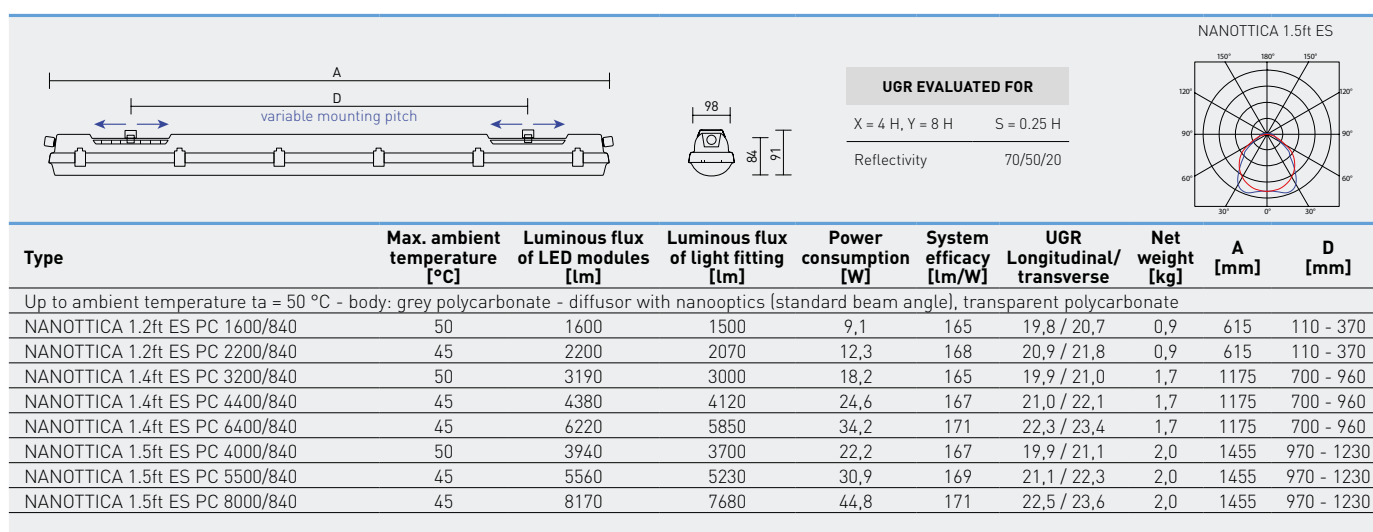


NANOTTICA ES PC, PCc



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: **171 lm/W**
- **UGR ranging from 19.8 to 23.6**
- 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
- 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 ES PC

Code	Type
102551	NANOTTICA 1.2ft ES PC 1600/840
102552	NANOTTICA 1.2ft ES PC 2200/840
102554	NANOTTICA 1.4ft ES PC 3200/840
102555	NANOTTICA 1.4ft ES PC 4400/840
102556	NANOTTICA 1.4ft ES PC 6400/840
102558	NANOTTICA 1.5ft ES PC 4000/840
102559	NANOTTICA 1.5ft ES PC 5500/840
102560	NANOTTICA 1.5ft ES PC 8000/840

Non-dimmable driver - plastic clips

	1F	3F	M3hAt	3F M3hAt
102562	102573	x	x	
102563	102574	x	x	
102565	102576	108578	108580	
102566	102577	108626	108627	
102567	102578	108658	108659	
102569	102580	108610	108611	
102570	102581	108642	108643	
102571	102582	108674	108675	

NANOTTICA ES PCc

Code	Type
102619	NANOTTICA 1.2ft ES PCc 1600/840
102620	NANOTTICA 1.2ft ES PCc 2200/840
102622	NANOTTICA 1.4ft ES PCc 3200/840
102623	NANOTTICA 1.4ft ES PCc 4400/840
102624	NANOTTICA 1.4ft ES PCc 6400/840
102626	NANOTTICA 1.5ft ES PCc 4000/840
102627	NANOTTICA 1.5ft ES PCc 5500/840
102628	NANOTTICA 1.5ft ES PCc 8000/840

Non-dimmable driver - stainless clips [c]

	1F	3F	M3hAt	3F M3hAt
102630	102641	x	x	
102631	102642	x	x	
102633	102644	108582	108584	
102634	102645	108628	108629	
102635	102646	108660	108661	
102637	102648	108612	108613	
102638	102649	108644	108645	
102639	102650	108676	108677	

NANOTTICA ES PC DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
102687	NANOTTICA 1.2ft ES PC 1600/840 DALI	102698	x	x	x
102688	NANOTTICA 1.2ft ES PC 2200/840 DALI	102699	x	x	x
102690	NANOTTICA 1.4ft ES PC 3200/840 DALI	102701	102712	108586	108588
102691	NANOTTICA 1.4ft ES PC 4400/840 DALI	102702	102713	108630	108631
102692	NANOTTICA 1.4ft ES PC 6400/840 DALI	102703	102714	108662	108663
102694	NANOTTICA 1.5ft ES PC 4000/840 DALI	102705	102716	108614	108615
102695	NANOTTICA 1.5ft ES PC 5500/840 DALI	102706	102717	108646	108647
102696	NANOTTICA 1.5ft ES PC 8000/840 DALI	102707	102718	108678	108679

NANOTTICA ES PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
102755	NANOTTICA 1.2ft ES PCc 1600/840 DALI	102766	x	x	x
102756	NANOTTICA 1.2ft ES PCc 2200/840 DALI	102767	x	x	x
102758	NANOTTICA 1.4ft ES PCc 3200/840 DALI	102769	102780	108590	108592
102759	NANOTTICA 1.4ft ES PCc 4400/840 DALI	102770	102781	108632	108633
102760	NANOTTICA 1.4ft ES PCc 6400/840 DALI	102771	102782	108664	108665
102762	NANOTTICA 1.5ft ES PCc 4000/840 DALI	102773	102784	108616	108617
102763	NANOTTICA 1.5ft ES PCc 5500/840 DALI	102774	102785	108648	108649
102764	NANOTTICA 1.5ft ES PCc 8000/840 DALI	102775	102786	108680	108681

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 ES PC



LIGHT FITTING DETAILED VIEW

NANOTTICA ES PC

