

NANOTTICA ES ABS



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

USE

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

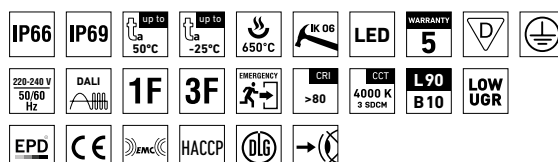
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

The fitting's standard beam angle makes it a great choice for premises with a fitting installation height of **3.5 to 8 m**. In addition to indoor spaces, it is designed for agricultural buildings and other spaces with chemically aggressive environments due to ammonia fumes, lye fumes, alkali and hot water (hydrolysis). The fitting is primarily intended for large **agricultural premises and industrial halls such as farms, stables, production plants and warehouses, car washes and laboratories** with no explosion hazard. IP69-rated and HACCP-compliant, the fitting's design also makes it suitable for the food industry.

The fitting's base is made of ABS and diffuser of AC, resulting in their **exceptional chemical 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: **160 lm/W**
- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 19,5 to 23,4**
- 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
- Lifetime: 100 000 hours / L80B10
- High **chemical resistance**
- **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, DLG, HACCP**

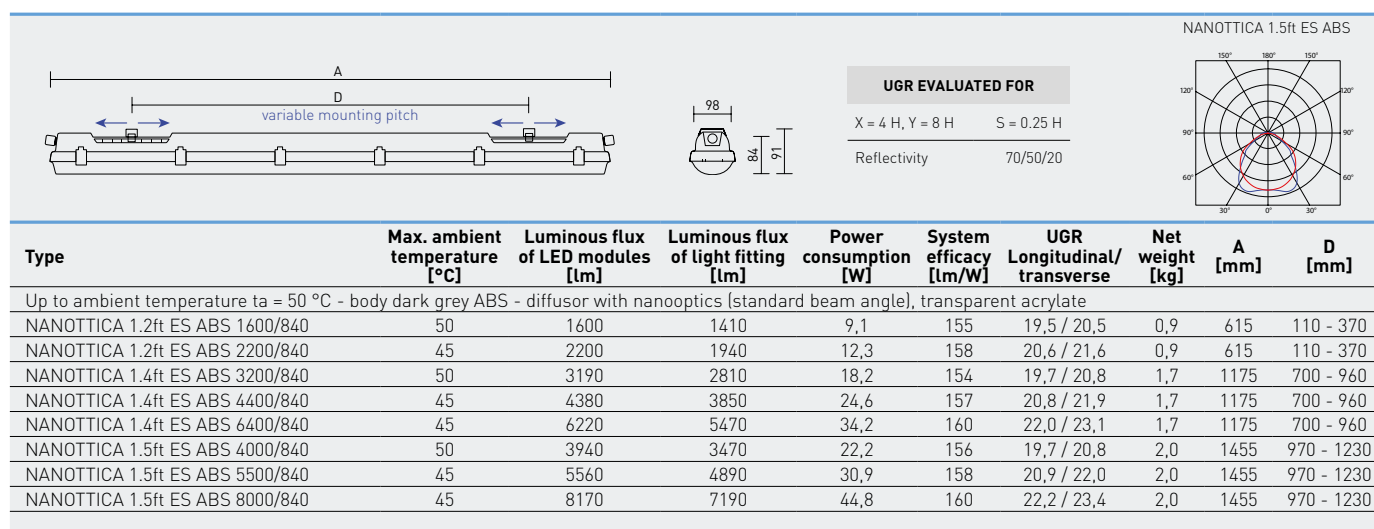


NANOTTICA ES ABS, ABSc



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- 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: **160 lm/W**
- **UGR ranging from 19,5 to 23,4**
- 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 AC with nanooptics** (high chemical resistance, UV stability)
- Body: dark grey ABS (high chemical 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 ABS

Code	Type
102823	NANOTTICA 1.2ft ES ABS 1600/840
102824	NANOTTICA 1.2ft ES ABS 2200/840
102826	NANOTTICA 1.4ft ES ABS 3200/840
102827	NANOTTICA 1.4ft ES ABS 4400/840
102828	NANOTTICA 1.4ft ES ABS 6400/840
102830	NANOTTICA 1.5ft ES ABS 4000/840
102831	NANOTTICA 1.5ft ES ABS 5500/840
102832	NANOTTICA 1.5ft ES ABS 8000/840

Non-dimmable driver - plastic clips

1F	3F	M3hAt	3F M3hAt
102834	102845	x	x
102835	102846	x	x
102837	102848	108594	108596
102838	102849	108634	108635
102839	102850	108666	108667
102841	102852	108618	108619
102842	102853	108650	108651
102843	102854	108682	108683

NANOTTICA ES ABSc

Code	Type
102891	NANOTTICA 1.2ft ES ABSc 1600/840
102892	NANOTTICA 1.2ft ES ABSc 2200/840
102894	NANOTTICA 1.4ft ES ABSc 3200/840
102895	NANOTTICA 1.4ft ES ABSc 4400/840
102896	NANOTTICA 1.4ft ES ABSc 6400/840
102898	NANOTTICA 1.5ft ES ABSc 4000/840
102899	NANOTTICA 1.5ft ES ABSc 5500/840
102900	NANOTTICA 1.5ft ES ABSc 8000/840

Non-dimmable driver - stainless clips [c]

1F	3F	M3hAt	3F M3hAt
102902	102913	x	x
102903	102914	x	x
102905	102916	108598	108600
102906	102917	108636	108637
102907	102918	108668	108669
102909	102920	108620	108621
102910	102921	108652	108653
102911	102922	108684	108685

NANOTTICA ES ABS DALI

Code	Type
102959	NANOTTICA 1.2ft ES ABS 1600/840 DALI
102960	NANOTTICA 1.2ft ES ABS 2200/840 DALI
102962	NANOTTICA 1.4ft ES ABS 3200/840 DALI
102963	NANOTTICA 1.4ft ES ABS 4400/840 DALI
102964	NANOTTICA 1.4ft ES ABS 6400/840 DALI
102966	NANOTTICA 1.5ft ES ABS 4000/840 DALI
102967	NANOTTICA 1.5ft ES ABS 5500/840 DALI
102968	NANOTTICA 1.5ft ES ABS 8000/840 DALI

Digital dimmable driver DALI - plastic clips

1F	3F	M3hAt	3F M3hAt
102970	x	x	x
102971	x	x	x
102973	102984	108602	108604
102974	102985	108638	108639
102975	102986	108670	108671
102977	102988	108622	108623
102978	102989	108654	108655
102979	102990	108686	108687

NANOTTICA ES ABSc DALI

Code	Type
103027	NANOTTICA 1.2ft ES ABSc 1600/840 DALI
103028	NANOTTICA 1.2ft ES ABSc 2200/840 DALI
103030	NANOTTICA 1.4ft ES ABSc 3200/840 DALI
103031	NANOTTICA 1.4ft ES ABSc 4400/840 DALI
103032	NANOTTICA 1.4ft ES ABSc 6400/840 DALI
103034	NANOTTICA 1.5ft ES ABSc 4000/840 DALI
103035	NANOTTICA 1.5ft ES ABSc 5500/840 DALI
103036	NANOTTICA 1.5ft ES ABSc 8000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

1F	3F	M3hAt	3F M3hAt
103038	x	x	x
103039	x	x	x
103041	103052	108606	108608
103042	103053	108640	108641
103043	103054	108672	108673
103045	103056	108624	108625
103046	103057	108656	108657
103047	103058	108688	108689

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

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LIGHT FITTING DETAILED VIEW

NANOTTICA ES ABS

