

# NANOTTICA ABS



... ceiling height from 3.5 to 8 m, chemically resistant.

## USE

The fixture boasts a **low unified glare rating with UGR values** its patented nanooptics. This ensures eye comfort, **high visual performance and workplace safety**, which indirectly **translates into higher productivity**.

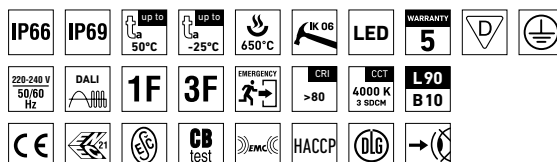
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

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 321.

## ADVANTAGES

- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 18.9 to 23.2**
- 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 **chemical resistance**
- **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, DLG, HACCP**



# NANOTTICA ABS ABSc



## 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: **151 lm/W**
- **UGR ranging from 18.9 to 23.2**
- 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)
- **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 %

**UGR EVALUATED FOR**

X = 4 H, Y = 8 H      S = 0.25 H

Reflectivity      70/50/20

NANOTTICA 1.5ft ABS

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 dark grey ABS - diffuser with nanooptics (standard beam angle), transparent acrylate									
NANOTTICA 1.2ft ABS 1300/840	50	1320	1160	8	145	18.9 / 19.8	0,9	615	110 - 370
NANOTTICA 1.2ft ABS 1600/840	50	1580	1390	10	139	19.5 / 20.5	0,9	615	110 - 370
NANOTTICA 1.2ft ABS 2200/840	45	2200	1940	14	139	20.6 / 21.6	0,9	615	110 - 370
NANOTTICA 1.4ft ABS 2600/840	50	2580	2270	16	142	19.0 / 20.1	1,7	1175	700 - 960
NANOTTICA 1.4ft ABS 3200/840	50	3110	2740	20	137	19.6 / 20.7	1,7	1175	700 - 960
NANOTTICA 1.4ft ABS 4400/840	45	4350	3830	27	142	20.8 / 21.9	1,7	1175	700 - 960
NANOTTICA 1.4ft ABS 6400/840	45	6260	5510	38	145	22.1 / 23.1	1,7	1175	700 - 960
NANOTTICA 1.5ft ABS 3250/840	50	3240	2850	20	143	19.0 / 20.1	2,0	1455	970 - 1230
NANOTTICA 1.5ft ABS 4000/840	50	3880	3410	24	142	19.7 / 20.8	2,0	1455	970 - 1230
NANOTTICA 1.5ft ABS 5500/840	45	5420	4770	33	145	20.8 / 21.9	2,0	1455	970 - 1230
NANOTTICA 1.5ft ABS 8000/840	45	7740	6810	45	151	22.1 / 23.2	2,0	1455	970 - 1230

## NANOTTICA ABS

Code	Type
100609	NANOTTICA 1.2ft ABS 1300/840
100610	NANOTTICA 1.2ft ABS 1600/840
100611	NANOTTICA 1.2ft ABS 2200/840
100612	NANOTTICA 1.4ft ABS 2600/840
100613	NANOTTICA 1.4ft ABS 3200/840
100614	NANOTTICA 1.4ft ABS 4400/840
100615	NANOTTICA 1.4ft ABS 6400/840
100616	NANOTTICA 1.5ft ABS 3250/840
100617	NANOTTICA 1.5ft ABS 4000/840
100618	NANOTTICA 1.5ft ABS 5500/840
100619	NANOTTICA 1.5ft ABS 8000/840

Non-dimmable driver - plastic clips

	1F	3F	M1h	M3h	3F M1h	3F M3h
100620	100631	100642	x	x	x	
100621	100632	100643	x	x	x	
100622	100633	100644	x	x	x	
100623	100634	100645	100653	100661	100669	
100624	100635	100646	100654	100662	100670	
100625	100636	100647	100655	100663	100671	
100626	100637	100648	100656	100664	100672	
100627	100638	100649	100657	100665	100673	
100628	100639	100650	100658	100666	100674	
100629	100640	100651	100659	100667	100675	
100630	100641	100652	100660	100668	100676	

## NANOTTICA ABSc

Code	Type
100677	NANOTTICA 1.2ft ABSc 1300/840
100678	NANOTTICA 1.2ft ABSc 1600/840
100679	NANOTTICA 1.2ft ABSc 2200/840
100680	NANOTTICA 1.4ft ABSc 2600/840
100681	NANOTTICA 1.4ft ABSc 3200/840
100682	NANOTTICA 1.4ft ABSc 4400/840
100683	NANOTTICA 1.4ft ABSc 6400/840
100684	NANOTTICA 1.5ft ABSc 3250/840
100685	NANOTTICA 1.5ft ABSc 4000/840
100686	NANOTTICA 1.5ft ABSc 5500/840
100687	NANOTTICA 1.5ft ABSc 8000/840

Non-dimmable driver - stainless clips (c)

	1F	3F	M1h	M3h	3F M1h	3F M3h
100688	100699	100710	x	x	x	
100689	100700	100711	x	x	x	
100690	100701	100712	x	x	x	
100691	100702	100713	100721	100729	100737	
100692	100703	100714	100722	100730	100738	
100693	100704	100715	100723	100731	100739	
100694	100705	100716	100724	100732	100740	
100695	100706	100717	100725	100733	100741	
100696	100707	100718	100726	100734	100742	
100697	100708	100719	100727	100735	100743	
100698	100709	100720	100728	100736	100744	

NANOTTICA ABS DALI

Code	Type
100745	NANOTTICA 1.2ft ABS 1300/840 DALI
100746	NANOTTICA 1.2ft ABS 1600/840 DALI
100747	NANOTTICA 1.2ft ABS 2200/840 DALI
100748	NANOTTICA 1.4ft ABS 2600/840 DALI
100749	NANOTTICA 1.4ft ABS 3200/840 DALI
100750	NANOTTICA 1.4ft ABS 4400/840 DALI
100751	NANOTTICA 1.4ft ABS 6400/840 DALI
100752	NANOTTICA 1.5ft ABS 3250/840 DALI
100753	NANOTTICA 1.5ft ABS 4000/840 DALI
100754	NANOTTICA 1.5ft ABS 5500/840 DALI
100755	NANOTTICA 1.5ft ABS 8000/840 DALI

Digital dimmable driver DALI - plastic clips

1F	3F	M1h	M3h	3F M1h	3F M3h
100756	x	100778	x	x	x
100757	x	100779	x	x	x
100758	x	100780	x	x	x
100759	100770	100781	100789	100797	100805
100760	100771	100782	100790	100798	100806
100761	100772	100783	100791	100799	100807
100762	100773	100784	100792	100800	100808
100763	100774	100785	100793	100801	100809
100764	100775	100786	100794	100802	100810
100765	100776	100787	100795	100803	100811
100766	100777	100788	100796	100804	100812

NANOTTICA ABSc DALI

Code	Type
100813	NANOTTICA 1.2ft ABSc 1300/840 DALI
100814	NANOTTICA 1.2ft ABSc 1600/840 DALI
100815	NANOTTICA 1.2ft ABSc 2200/840 DALI
100816	NANOTTICA 1.4ft ABSc 2600/840 DALI
100817	NANOTTICA 1.4ft ABSc 3200/840 DALI
100818	NANOTTICA 1.4ft ABSc 4400/840 DALI
100819	NANOTTICA 1.4ft ABSc 6400/840 DALI
100820	NANOTTICA 1.5ft ABSc 3250/840 DALI
100821	NANOTTICA 1.5ft ABSc 4000/840 DALI
100822	NANOTTICA 1.5ft ABSc 5500/840 DALI
100823	NANOTTICA 1.5ft ABSc 8000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

1F	3F	M1h	M3h	3F M1h	3F M3h
100824	x	100846	x	x	x
100825	x	100847	x	x	x
100826	x	100848	x	x	x
100827	100838	100849	100857	100865	100873
100828	100839	100850	100858	100866	100874
100829	100840	100851	100859	100867	100875
100830	100841	100852	100860	100868	100876
100831	100842	100853	100861	100869	100877
100832	100843	100854	100862	100870	100878
100833	100844	100855	100863	100871	100879
100834	100845	100856	100864	100872	100880

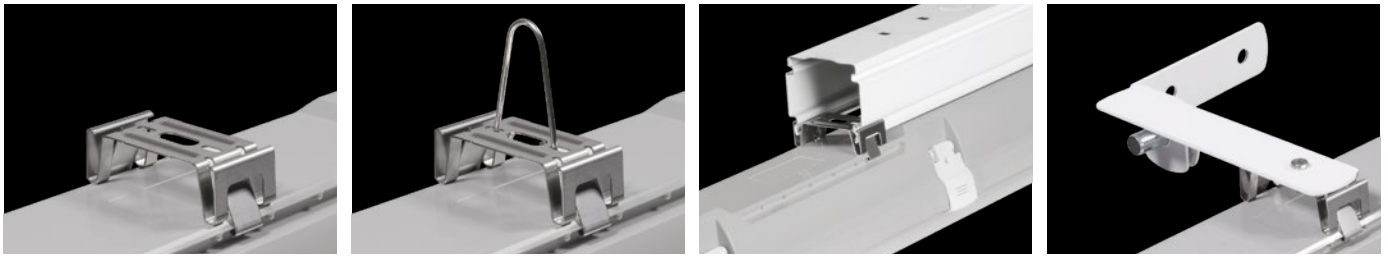
LEGEND

- 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 ABS



**LIGHT FITTING DETAILED VIEW**

NANOTTICA ABS

