NANOTTICA



... ceiling height from 3.5 to 8 m, impact resistant, MultiLumen.

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.**

Thanks to the MultiLumen function, the luminaire can be adjusted for changing lighting requirements without much effort.

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.

Luminaire 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.

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 421.

ADVANTAGES

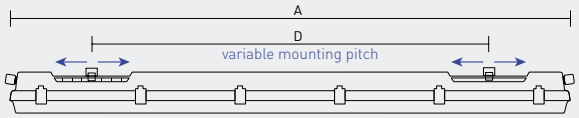
- Patented optics ensures absolute control over light beam distribution
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **mechanical resistance IK10**
- **Variable suspension pitch,** optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch.
- 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**

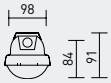
NANOTTICA PC, PCc



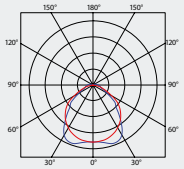
TECHNICAL DESCRIPTION

- 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: **165 lm/W**
- 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
- **MultiLumen (ML):** luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- 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 ± 7.5 %





NANOTTICA 1.5ft



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
			Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
Up to ambient temperature ta = 50 °C - body: grey polycarbonate - diffusor with nanooptics (standard beam angle), transparent polycarbonate								
NANOTTICA 1.2ft PC 1600/840	50	1630	1530	10,5	146	0,9	615	110 - 370
NANOTTICA 1.2ft PC 2200/840 *	45	2360	2220	14,6	152	0,9	615	110 - 370
NANOTTICA 1.4ft PC 3200/840	50	3260	3060	20,1	152	1,7	1175	700 - 960
NANOTTICA 1.4ft PC 4400/840 *	45	4520	4250	27,3	156	1,7	1175	700 - 960
NANOTTICA 1.4ft PC 6400/840 *	45	6500	6110	38,5	159	1,7	1175	700 - 960
NANOTTICA 1.4ft PC 8000/840	35	8160	7670	49,0	157	1,7	1175	700 - 960
NANOTTICA 1.5ft PC 4000/840	50	4180	3930	25,3	155	2,0	1455	970 - 1230
NANOTTICA 1.5ft PC 5500/840 *	45	5590	5250	33,3	158	2,0	1455	970 - 1230
NANOTTICA 1.5ft PC 8000/840 *	45	8020	7540	47,4	159	2,0	1455	970 - 1230
NANOTTICA 1.5ft PC 10000/840	35	10350	9730	62,9	155	2,0	1455	970 - 1230

*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
NANOTTICA 1.2ft PC 2200/840 ML	1920	13,0	148	1620	11,0	147	1310	9,1	144
NANOTTICA 1.4ft PC 4400/840 ML	3680	23,3	158	3110	19,5	159	2520	15,8	159
NANOTTICA 1.4ft PC 6400/840 ML	5300	32,8	162	4480	27,4	164	3640	22,1	165
NANOTTICA 1.5ft PC 5500/840 ML	4550	28,4	160	3840	23,6	163	3100	19,1	162
NANOTTICA 1.5ft PC 8000/840 ML	6550	40,4	162	5540	33,6	165	4480	27,2	165

NANOTTICA PC

Code	Type	Non-dimmable driver - plastic clips			
		1F	3F	M3hAt	3F M3hAt
100002	NANOTTICA 1.2ft PC 1600/840	100013	100024	x	x
100003	NANOTTICA 1.2ft PC 2200/840 ML	100014	100025	x	x
100005	NANOTTICA 1.4ft PC 3200/840	100016	100027	107935	107943
100006	NANOTTICA 1.4ft PC 4400/840 ML	100017	100028	107936	107944
100007	NANOTTICA 1.4ft PC 6400/840 ML	100018	100029	107937	107945
110157	NANOTTICA 1.4ft PC 8000/840	110159	110161	x	x
100009	NANOTTICA 1.5ft PC 4000/840	100020	100031	107939	107947
100010	NANOTTICA 1.5ft PC 5500/840 ML	100021	100032	107940	107948
100011	NANOTTICA 1.5ft PC 8000/840 ML	100022	100033	107941	107949
110158	NANOTTICA 1.5ft PC 10000/840	110160	110162	x	x

NANOTTICA PCc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
100070	NANOTTICA 1.2ft PCc 1600/840	100081	100092	x	x
100071	NANOTTICA 1.2ft PCc 2200/840 ML	100082	100093	x	x
100073	NANOTTICA 1.4ft PCc 3200/840	100084	100095	107951	107959
100074	NANOTTICA 1.4ft PCc 4400/840 ML	100085	100096	107952	107960
100075	NANOTTICA 1.4ft PCc 6400/840 ML	100086	100097	107953	107961
110163	NANOTTICA 1.4ft PCc 8000/840	110165	110167	x	x
100077	NANOTTICA 1.5ft PCc 4000/840	100088	100099	107955	107995
100078	NANOTTICA 1.5ft PCc 5500/840 ML	100089	100100	107956	107996
100079	NANOTTICA 1.5ft PCc 8000/840 ML	100090	100101	107957	107997
110164	NANOTTICA 1.5ft PCc 10000/840	110166	110168	x	x

NANOTTICA PC DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
100138	NANOTTICA 1.2ft PC 1600/840 DALI	100149	x	x	x
100139	NANOTTICA 1.2ft PC 2200/840 DALI	100150	x	x	x
100141	NANOTTICA 1.4ft PC 3200/840 DALI	100152	100163	107963	107971
100142	NANOTTICA 1.4ft PC 4400/840 DALI	100153	100164	107964	107972
100143	NANOTTICA 1.4ft PC 6400/840 DALI	100154	100165	107965	107973
110169	NANOTTICA 1.4ft PC 8000/840 DALI	110171	110173	x	x
100145	NANOTTICA 1.5ft PC 4000/840 DALI	100156	100167	107967	107975
100146	NANOTTICA 1.5ft PC 5500/840 DALI	100157	100168	107968	107976
100147	NANOTTICA 1.5ft PC 8000/840 DALI	100158	100169	107969	107977
110170	NANOTTICA 1.5ft PC 10000/840 DALI	110172	110174	x	x

NANOTTICA PCc DALI

Digital dimmable driver DALI - stainless clips (c)

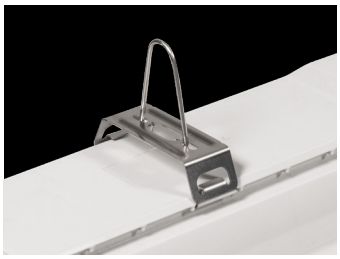
Code	Type	1F	3F	M3hAt	3F M3hAt
100206	NANOTTICA 1.2ft PCc 1600/840 DALI	100217	x	x	x
100207	NANOTTICA 1.2ft PCc 2200/840 DALI	100218	x	x	x
100209	NANOTTICA 1.4ft PCc 3200/840 DALI	100220	100231	107979	107987
100210	NANOTTICA 1.4ft PCc 4400/840 DALI	100221	100232	107980	107988
100211	NANOTTICA 1.4ft PCc 6400/840 DALI	100222	100233	107981	107989
110175	NANOTTICA 1.4ft PCc 8000/840 DALI	110177	110179	x	x
100213	NANOTTICA 1.5ft PCc 4000/840 DALI	100224	100235	107983	107991
100214	NANOTTICA 1.5ft PCc 5500/840 DALI	100225	100236	107984	107992
100215	NANOTTICA 1.5ft PCc 8000/840 DALI	100226	100237	107985	107993
110176	NANOTTICA 1.5ft PCc 10000/840 DALI	110178	110180	x	x

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)

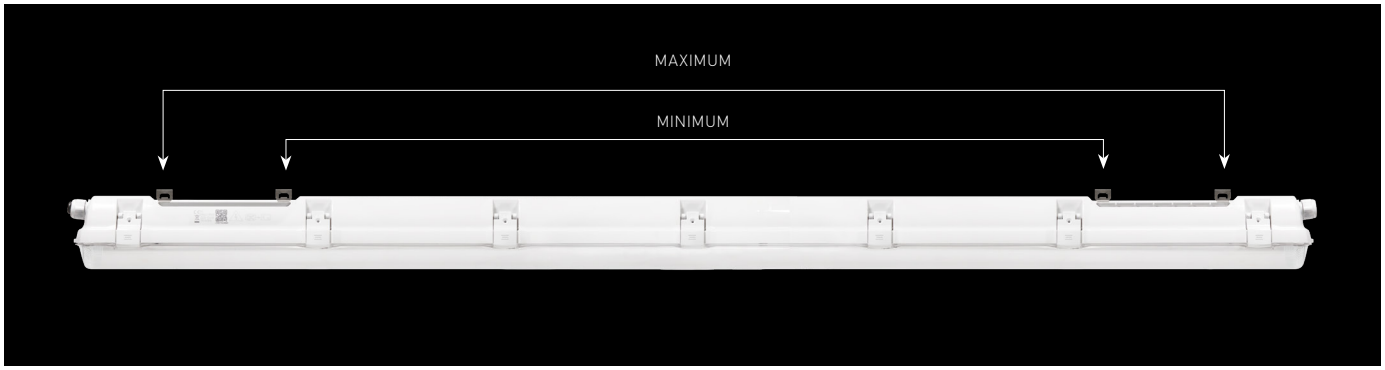
LIGHT FITTING ATTACHMENT

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 PC



LIGHT FITTING DETAILED VIEW

NANOTTICA PC





