NANOTTICA SNS



... with movement detector, ceiling height from 3.5 to 6 m, 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.**

Highly recommended also for **illumination of spaces where workers' visual precision is of paramount importance.** These include workshops where fine assembly work is performed as well as visual inspection areas. Its **standard beam angle with the sensor** makes it a perfect choice for premises with an optimum luminaire installation height of **3.5 to 6 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 421.

ADVANTAGES

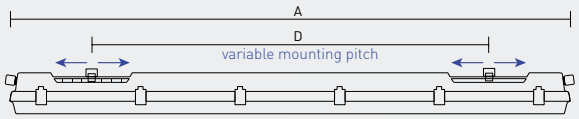
- Patented optics ensures absolute control over light beam distribution
- Includes an in-built **microwave motion sensor**
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / 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 5 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: **HACCP**

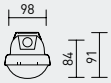
NANOTTICA SNS PC, PCc



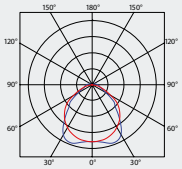
TECHNICAL DESCRIPTION

- 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 6 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
- **Motion sensor:** detection angle 30°-150°, switch on height 1 – 6 m, time range 5 sec – 15 min, switch-on sensitivity 2 – 50 lux
- 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 1.4ft SNS



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 1.4ft SNS PC 3200/840	50	3260	3060	20,1	152	1,8	1175	700 - 960
NANOTTICA 1.4ft SNS PC 4400/840 *	45	4520	4250	27,3	156	1,8	1175	700 - 960
NANOTTICA 1.4ft SNS PC 6400/840 *	45	6500	6110	38,5	159	1,8	1175	700 - 960
NANOTTICA 1.4ft SNS PC 8000/840	35	8160	7670	49,0	157	1,7	1175	700 - 960
NANOTTICA 1.5ft SNS PC 4000/840	50	4180	3930	25,3	155	2,1	1455	970 - 1230
NANOTTICA 1.5ft SNS PC 5500/840 *	45	5590	5250	33,3	158	2,1	1455	970 - 1230
NANOTTICA 1.5ft SNS PC 8000/840 *	45	8020	7540	47,4	159	2,1	1455	970 - 1230
NANOTTICA 1.5ft SNS 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 1.4ft SNS PC 4400/840 ML	3680	23,3	158	3110	19,5	159	2520	15,8	159
NANOTTICA 1.4ft SNS PC 6400/840 ML	5300	32,8	162	4480	27,4	164	3640	22,1	165
NANOTTICA 1.5ft SNS PC 5500/840 ML	4550	28,4	160	3840	23,6	163	3100	19,1	162
NANOTTICA 1.5ft SNS PC 8000/840 ML	6550	40,4	162	5540	33,6	165	4480	27,2	165

NANOTTICA SNS PC

Code	Type
102074	NANOTTICA 1.4ft SNS PC 3200/840
102075	NANOTTICA 1.4ft SNS PC 4400/840 ML
102076	NANOTTICA 1.4ft SNS PC 6400/840 ML
110285	NANOTTICA 1.4ft SNS PC 8000/840
102078	NANOTTICA 1.5ft SNS PC 4000/840
102079	NANOTTICA 1.5ft SNS PC 5500/840 ML
102080	NANOTTICA 1.5ft SNS PC 8000/840 ML
110286	NANOTTICA 1.5ft SNS PC 10000/840

Non-dimmable driver - plastic clips

1F	3F	M3hAt	3F M3hAt
102082	102090	108511	108519
102083	102091	108512	108520
102084	102092	108513	108521
110287	110289	x	x
102086	102094	108515	108523
102087	102095	108516	108524
102088	102096	108517	108525
110288	110290	x	x

NANOTTICA SNS PCc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
102126	NANOTTICA 1.4ft SNS PCc 3200/840	102134	102142	108527	108535
102127	NANOTTICA 1.4ft SNS PCc 4400/840 ML	102135	102143	108528	108536
102128	NANOTTICA 1.4ft SNS PCc 6400/840 ML	102136	102144	108529	108537
110291	NANOTTICA 1.4ft SNS PCc 8000/840	110293	110295	x	x
102130	NANOTTICA 1.5ft SNS PCc 4000/840	102138	102146	108531	108539
102131	NANOTTICA 1.5ft SNS PCc 5500/840 ML	102139	102147	108532	108540
102132	NANOTTICA 1.5ft SNS PCc 8000/840 ML	102140	102148	108533	108541
110292	NANOTTICA 1.5ft SNS PCc 10000/840	110294	110296	x	x

NANOTTICA SNS PC CORRIDOR

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
102178	NANOTTICA 1.4ft SNS PC 3200/840 COR	102186	102194	110064	110066
102179	NANOTTICA 1.4ft SNS PC 4400/840 COR	102187	102195	110065	110067
102180	NANOTTICA 1.4ft SNS PC 6400/840 COR	102188	102196	108542	108547
110297	NANOTTICA 1.4ft SNS PC 8000/840 COR	110299	110301	x	x
102182	NANOTTICA 1.5ft SNS PC 4000/840 COR	102190	102198	108544	108549
102183	NANOTTICA 1.5ft SNS PC 5500/840 COR	102191	102199	108545	108550
102184	NANOTTICA 1.5ft SNS PC 8000/840 COR	102192	102200	108546	108551
110298	NANOTTICA 1.5ft SNS PC 10000/840 COR	110300	110302	x	x

NANOTTICA SNS PCc CORRIDOR

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
102224	NANOTTICA 1.4ft SNS PCc 3200/840 COR	102232	102240	110068	110070
102225	NANOTTICA 1.4ft SNS PCc 4400/840 COR	102233	102241	110069	110071
102226	NANOTTICA 1.4ft SNS PCc 6400/840 COR	102234	102242	108552	108557
110303	NANOTTICA 1.4ft SNS PCc 8000/840 COR	110305	110307	x	x
102228	NANOTTICA 1.5ft SNS PCc 4000/840 COR	102236	102244	108554	108559
102229	NANOTTICA 1.5ft SNS PCc 5500/840 COR	102237	102245	108555	108560
102230	NANOTTICA 1.5ft SNS PCc 8000/840 COR	102238	102246	108556	108561
110304	NANOTTICA 1.5ft SNS PCc 10000/840 COR	110306	110308	x	x

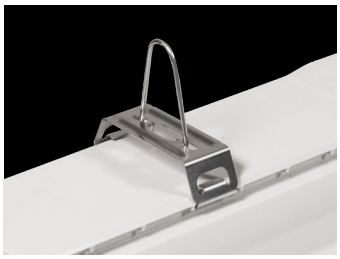
LEGEND

1F - 1-phase 3 core through-wiring in the luminaire for connection of max. 5 slave luminaires
3F - 3-phase 5 core through-wiring in the luminaire for connection of max. 5 slave luminaires (sensor connected to L3)
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 for connection of max. 5 slave luminaires (sensor and emergency unit connected to L3)

COR - version with digital dimmable driver DALI and set CORRIDOR function
COR 1F - 1-phase 5 core through-wiring in the luminaire for connection of max. 20 luminaires
COR 3F - 3-phase 7 core through-wiring in the luminaire for connection of max. 20 luminaires (sensor connected to L1)
COR 3F M3hAt - 3-phase 7 core through-wiring in the luminaire for connection of max. 20 luminaires (sensor connected to L1 and emergency unit to L3)

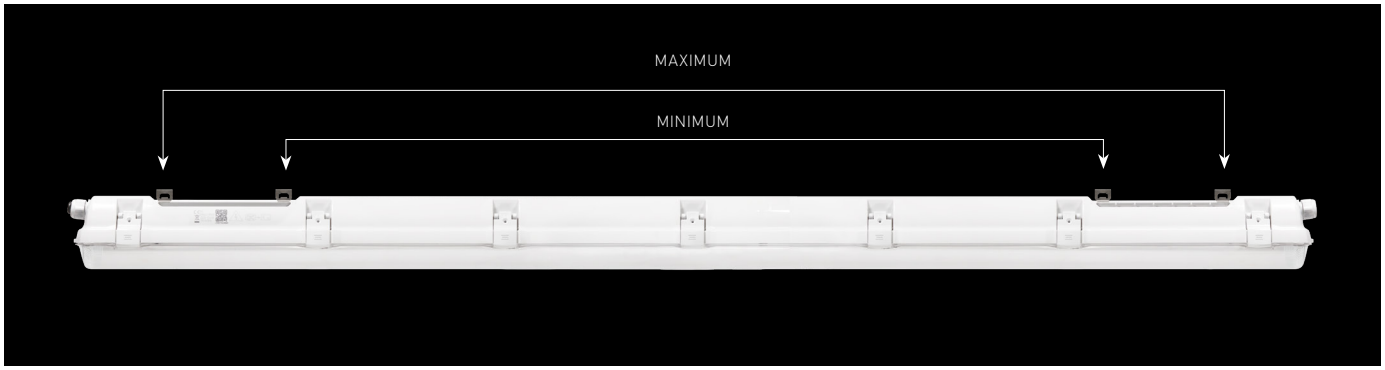
LIGHT FITTING ATTACHMENT

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 SNS



LIGHT FITTING DETAILED VIEW

NANOTTICA SNS





