NANOTTICA WB



... ceiling height from 2.5 to 4 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.**

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 **wide beam angle** makes it a great choice for premises with an optimum fitting installation height ranging from **2.5 to 4 m**. It is designed for indoor spaces, **production plants, multi-storey car parks and garages as well as workshops, corridors, cellars, pedestrian underpasses and underground spaces with low ceilings**. IP69-rated and HACCP-compliant, the fitting's design also makes it suitable 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

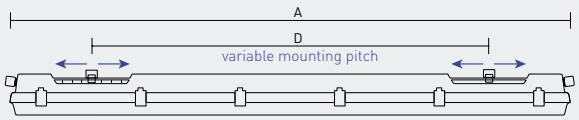
- Patented optics ensures absolute control over light beam distribution
- Wide Beam angle (WB), optimum luminaire installation height from 2.5 to 4 m
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- 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**

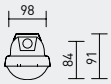
NANOTTICA WB PC, PCc



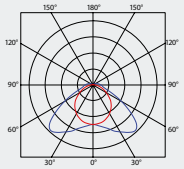
TECHNICAL DESCRIPTION

- 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: **163 lm/W**
- Optimum luminaire installation height **from 2.5 to 4 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 Wide Beam** (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 and 3-pole (standard version), or screw terminal
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %





NANOTTICA 1.5ft WB



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function: Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Net weight [kg]	A [mm]	D [mm]
Up to ambient temperature ta = 50 °C - body: grey polycarbonate - diffusor with nanooptics WB (wide beam angle), transparent polycarbonate								
NANOTTICA 1.4ft WB PC 3200/840	50	3260	3030	20,1	151	1,7	1175	700 - 960
NANOTTICA 1.4ft WB PC 4400/840 *	45	4520	4200	27,3	154	1,7	1175	700 - 960
NANOTTICA 1.4ft WB PC 6400/840 *	45	6500	6050	38,5	157	1,7	1175	700 - 960
NANOTTICA 1.5ft WB PC 4000/840	50	4180	3890	25,3	154	2,0	1455	970 - 1230
NANOTTICA 1.5ft WB PC 5500/840 *	45	5590	5200	33,3	156	2,0	1455	970 - 1230
NANOTTICA 1.5ft WB PC 8000/840 *	45	8020	7460	47,4	157	2,0	1455	970 - 1230

*) Also available with MultiLumen function:

Type	MultiLumen function: Step 2 Luminous flux of light fitting [lm]	Step 2 Power consumption [W]	Step 2 System efficacy [lm/W]	Step 3 Luminous flux of light fitting [lm]	Step 3 Power consumption [W]	Step 3 System efficacy [lm/W]	Step 4 Luminous flux of light fitting [lm]	Step 4 Power consumption [W]	Step 4 System efficacy [lm/W]
NANOTTICA 1.4ft WB PC 4400/840 ML	3650	23,3	157	3080	19,5	158	2490	15,8	158
NANOTTICA 1.4ft WB PC 6400/840 ML	5250	32,8	160	4440	27,4	162	3600	22,1	163
NANOTTICA 1.5ft WB PC 5500/840 ML	4500	28,4	158	3790	23,6	161	3070	19,1	161
NANOTTICA 1.5ft WB PC 8000/840 ML	6480	40,4	160	5480	33,6	163	4440	27,2	163

NANOTTICA WB PC

Code	Type	Non-dimmable driver - plastic clips: 1F	3F	M3hAt	3F M3hAt
100386	NANOTTICA 1.4ft WB PC 3200/840	100394	100402	108031	108039
100387	NANOTTICA 1.4ft WB PC 4400/840 ML	100395	100403	108032	108040
100388	NANOTTICA 1.4ft WB PC 6400/840 ML	100396	100404	108033	108041
100390	NANOTTICA 1.5ft WB PC 4000/840	100398	100406	108035	108043
100391	NANOTTICA 1.5ft WB PC 5500/840 ML	100399	100407	108036	108044
100392	NANOTTICA 1.5ft WB PC 8000/840 ML	100400	100408	108037	108045

NANOTTICA WB PCc

Code	Type	Non-dimmable driver - stainless clips (c): 1F	3F	M3hAt	3F M3hAt
100442	NANOTTICA 1.4ft WB PCc 3200/840	100450	100458	108047	108055
100443	NANOTTICA 1.4ft WB PCc 4400/840 ML	100451	100459	108048	108056
100444	NANOTTICA 1.4ft WB PCc 6400/840 ML	100452	100460	108049	108057
100446	NANOTTICA 1.5ft WB PCc 4000/840	100454	100462	108051	108251
100447	NANOTTICA 1.5ft WB PCc 5500/840 ML	100455	100463	108052	108252
100448	NANOTTICA 1.5ft WB PCc 8000/840 ML	100456	100464	108053	108253

NANOTTICA WB PC DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
100498	NANOTTICA 1.4ft WB PC 3200/840 DALI	100506	100514	108059	108067
100499	NANOTTICA 1.4ft WB PC 4400/840 DALI	100507	100515	108060	108068
100500	NANOTTICA 1.4ft WB PC 6400/840 DALI	100508	100516	108061	108069
100502	NANOTTICA 1.5ft WB PC 4000/840 DALI	100510	100518	108063	108071
100503	NANOTTICA 1.5ft WB PC 5500/840 DALI	100511	100519	108064	108072
100504	NANOTTICA 1.5ft WB PC 8000/840 DALI	100512	100520	108065	108073

NANOTTICA WB PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
100554	NANOTTICA 1.4ft WB PCc 3200/840 DALI	100562	100570	108075	108083
100555	NANOTTICA 1.4ft WB PCc 4400/840 DALI	100563	100571	108076	108084
100556	NANOTTICA 1.4ft WB PCc 6400/840 DALI	100564	100572	108077	108085
100558	NANOTTICA 1.5ft WB PCc 4000/840 DALI	100566	100574	108079	108087
100559	NANOTTICA 1.5ft WB PCc 5500/840 DALI	100567	100575	108080	108088
100560	NANOTTICA 1.5ft WB PCc 8000/840 DALI	100568	100576	108081	108089

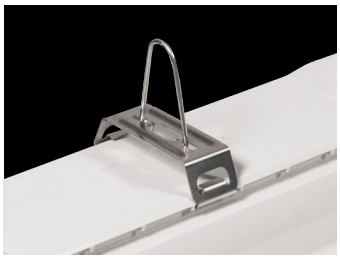
LEGEND

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)

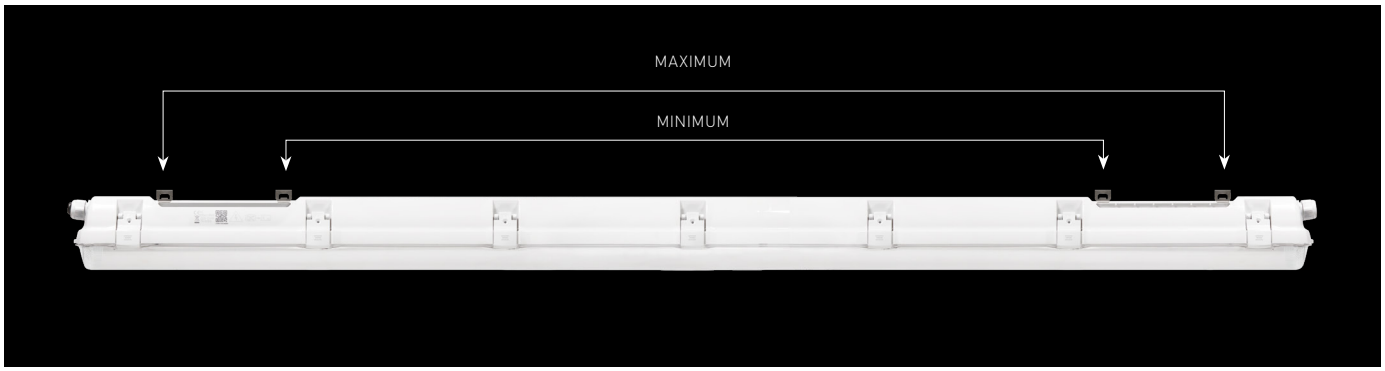
LIGHT FITTING ATTACHMENT

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 WB PC



LIGHT FITTING DETAILED VIEW

NANOTTICA WB PC





