

# 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.

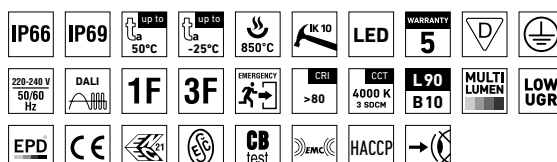
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

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 407.

## ADVANTAGES

- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 20,0 to 24,6**
- 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 **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, EŠ, ENEC, CB, HACCP**

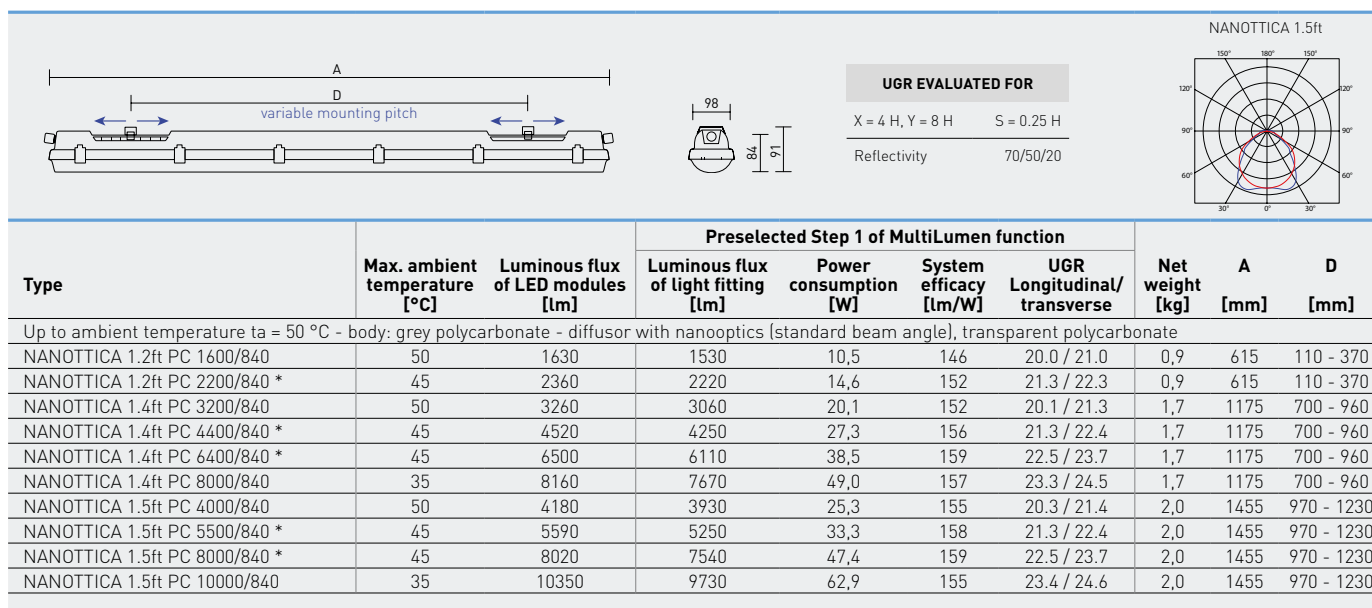


## NANOTTICA PC, PCc



## 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**
- **UGR ranging from 20,0 to 24,6**
- 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  $\pm 7.5 \%$



\*) 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]
NANOTTICA 1.2ft PC 2200/840 ML	1920	13,0	148	1620	11,0	147	1310	9,1
NANOTTICA 1.4ft PC 4400/840 ML	3680	23,3	158	3110	19,5	159	2520	15,8
NANOTTICA 1.4ft PC 6400/840 ML	5300	32,8	162	4480	27,4	164	3640	22,1
NANOTTICA 1.5ft PC 5500/840 ML	4550	28,4	160	3840	23,6	163	3100	19,1
NANOTTICA 1.5ft PC 8000/840 ML	6550	40,4	162	5540	33,6	165	4480	27,2

## NANOTTICA PC

Code	Type
100002	NANOTTICA 1.2ft PC 1600/840
100003	NANOTTICA 1.2ft PC 2200/840 ML
100005	NANOTTICA 1.4ft PC 3200/840
100006	NANOTTICA 1.4ft PC 4400/840 ML
100007	NANOTTICA 1.4ft PC 6400/840 ML
110157	NANOTTICA 1.4ft PC 8000/840
100009	NANOTTICA 1.5ft PC 4000/840
100010	NANOTTICA 1.5ft PC 5500/840 ML
100011	NANOTTICA 1.5ft PC 8000/840 ML
110158	NANOTTICA 1.5ft PC 10000/840

Non-dimmable driver - plastic clips

1F	3F	M3hAt	3F M3hAt
100013	100024	x	x
100014	100025	x	x
100016	100027	107935	107943
100017	100028	107936	107944
100018	100029	107937	107945
110159	110161	x	x
100020	100031	107939	107947
100021	100032	107940	107948
100022	100033	107941	107949
110160	110162	x	x

## NANOTTICA PCc

Code	Type
100070	NANOTTICA 1.2ft PCc 1600/840
100071	NANOTTICA 1.2ft PCc 2200/840 ML
100073	NANOTTICA 1.4ft PCc 3200/840
100074	NANOTTICA 1.4ft PCc 4400/840 ML
100075	NANOTTICA 1.4ft PCc 6400/840 ML
110163	NANOTTICA 1.4ft PCc 8000/840
100077	NANOTTICA 1.5ft PCc 4000/840
100078	NANOTTICA 1.5ft PCc 5500/840 ML
100079	NANOTTICA 1.5ft PCc 8000/840 ML
110164	NANOTTICA 1.5ft PCc 10000/840

## Non-dimmable driver - stainless clips [c]

1F	3F	M3hAt	3F M3hAt
100081	100092	x	x
100082	100093	x	x
100084	100095	107951	107959
100085	100096	107952	107960
100086	100097	107953	107961
110165	110167	x	x
100088	100099	107955	107995
100089	100100	107956	107996
100090	100101	107957	107997
110166	110168	x	x

## NANOTTICA PC DALI

Code	Type
100138	NANOTTICA 1.2ft PC 1600/840 DALI
100139	NANOTTICA 1.2ft PC 2200/840 DALI
100141	NANOTTICA 1.4ft PC 3200/840 DALI
100142	NANOTTICA 1.4ft PC 4400/840 DALI
100143	NANOTTICA 1.4ft PC 6400/840 DALI
110169	NANOTTICA 1.4ft PC 8000/840 DALI
100145	NANOTTICA 1.5ft PC 4000/840 DALI
100146	NANOTTICA 1.5ft PC 5500/840 DALI
100147	NANOTTICA 1.5ft PC 8000/840 DALI
110170	NANOTTICA 1.5ft PC 10000/840 DALI

## Digital dimmable driver DALI - plastic clips

1F	3F	M3hAt	3F M3hAt
100149	x	x	x
100150	x	x	x
100152	100163	107963	107971
100153	100164	107964	107972
100154	100165	107965	107973
110171	110173	x	x
100156	100167	107967	107975
100157	100168	107968	107976
100158	100169	107969	107977
110172	110174	x	x

## NANOTTICA PCc DALI

Code	Type
100206	NANOTTICA 1.2ft PCc 1600/840 DALI
100207	NANOTTICA 1.2ft PCc 2200/840 DALI
100209	NANOTTICA 1.4ft PCc 3200/840 DALI
100210	NANOTTICA 1.4ft PCc 4400/840 DALI
100211	NANOTTICA 1.4ft PCc 6400/840 DALI
110175	NANOTTICA 1.4ft PCc 8000/840 DALI
100213	NANOTTICA 1.5ft PCc 4000/840 DALI
100214	NANOTTICA 1.5ft PCc 5500/840 DALI
100215	NANOTTICA 1.5ft PCc 8000/840 DALI
110176	NANOTTICA 1.5ft PCc 10000/840 DALI

## Digital dimmable driver DALI - stainless clips [c]

1F	3F	M3hAt	3F M3hAt
100217	x	x	x
100218	x	x	x
100220	100231	107979	107987
100221	100232	107980	107988
100222	100233	107981	107989
110177	110179	x	x
100224	100235	107983	107991
100225	100236	107984	107992
100226	100237	107985	107993
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

