

# NANOTTICA



... ceiling height from 3.5 to 8 m, impact 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**.

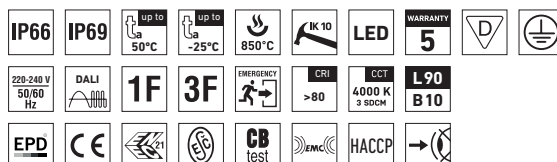
The fitting is highly recommended for **illumination of premises where workers' visual precision is of paramount importance**. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

Its **standard beam angle** makes it a perfect choice for premises with an optimum luminaire installation height of **3.5 to 8 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 367.

## ADVANTAGES

- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 19,1 to 23,4**
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from **ta = -25°C to ta = 50°C**
- Lifetime: 50 000 hours / L90B10
- 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
- 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, ESC, ENEC, CB, HACCP**



# NANOTTICA PC, PCc



## 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: **165 lm/W**
- **UGR ranging from 19,1 to 23,4**
- 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 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 (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

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: grey polycarbonate - diffuser with nanooptics (standard beam angle), transparent polycarbonate									
NANOTTICA 1.2ft PC 1300/840	50	1310	1230	8,2	150	19.1 / 20.0	0,9	610	110 - 370
NANOTTICA 1.2ft PC 1600/840	50	1560	1470	9,8	150	19.7 / 20.7	0,9	610	110 - 370
NANOTTICA 1.2ft PC 2200/840	45	2140	2010	13,2	152	20.8 / 21.7	0,9	610	110 - 370
NANOTTICA 1.4ft PC 2600/840	50	2600	2440	16,1	152	19.2 / 20.3	1,7	1170	700 - 960
NANOTTICA 1.4ft PC 3200/840	50	3100	2910	19,1	152	19.8 / 20.9	1,7	1170	700 - 960
NANOTTICA 1.4ft PC 4400/840	45	4300	4040	26,0	155	21.0 / 22.1	1,7	1170	700 - 960
NANOTTICA 1.4ft PC 6400/840	45	6120	5750	36,1	159	22.2 / 23.3	1,7	1170	700 - 960
NANOTTICA 1.5ft PC 3250/840	50	3240	3050	19,5	156	19.3 / 20.4	2,0	1450	970 - 1230
NANOTTICA 1.5ft PC 4000/840	50	3850	3620	23,3	155	19.9 / 21.0	2,0	1450	970 - 1230
NANOTTICA 1.5ft PC 5500/840	45	5340	5020	31,9	157	21.0 / 22.1	2,0	1450	970 - 1230
NANOTTICA 1.5ft PC 8000/840	45	7780	7310	44,3	165	22.3 / 23.4	2,0	1450	970 - 1230

## NANOTTICA PC

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
100001	NANOTTICA 1.2ft PC 1300/840	100012	100023	x	x	x	x
100002	NANOTTICA 1.2ft PC 1600/840	100013	100024	x	x	x	x
100003	NANOTTICA 1.2ft PC 2200/840	100014	100025	x	x	x	x
100004	NANOTTICA 1.4ft PC 2600/840	100015	100026	100037	100045	100053	100061
100005	NANOTTICA 1.4ft PC 3200/840	100016	100027	100038	100046	100054	100062
100006	NANOTTICA 1.4ft PC 4400/840	100017	100028	100039	100047	100055	100063
100007	NANOTTICA 1.4ft PC 6400/840	100018	100029	100040	100048	100056	100064
100008	NANOTTICA 1.5ft PC 3250/840	100019	100030	100041	100049	100057	100065
100009	NANOTTICA 1.5ft PC 4000/840	100020	100031	100042	100050	100058	100066
100010	NANOTTICA 1.5ft PC 5500/840	100021	100032	100043	100051	100059	100067
100011	NANOTTICA 1.5ft PC 8000/840	100022	100033	100044	100052	100060	100068

## NANOTTICA PCc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
100069	NANOTTICA 1.2ft PCc 1300/840	100080	100091	x	x	x	x
100070	NANOTTICA 1.2ft PCc 1600/840	100081	100092	x	x	x	x
100071	NANOTTICA 1.2ft PCc 2200/840	100082	100093	x	x	x	x
100072	NANOTTICA 1.4ft PCc 2600/840	100083	100094	100105	100113	100121	100129
100073	NANOTTICA 1.4ft PCc 3200/840	100084	100095	100106	100114	100122	100130
100074	NANOTTICA 1.4ft PCc 4400/840	100085	100096	100107	100115	100123	100131
100075	NANOTTICA 1.4ft PCc 6400/840	100086	100097	100108	100116	100124	100132
100076	NANOTTICA 1.5ft PCc 3250/840	100087	100098	100109	100117	100125	100133
100077	NANOTTICA 1.5ft PCc 4000/840	100088	100099	100110	100118	100126	100134
100078	NANOTTICA 1.5ft PCc 5500/840	100089	100100	100111	100119	100127	100135
100079	NANOTTICA 1.5ft PCc 8000/840	100090	100101	100112	100120	100128	100136

NANOTTICA PC DALI

Code	Type
100137	NANOTTICA 1.2ft PC 1300/840 DALI
100138	NANOTTICA 1.2ft PC 1600/840 DALI
100139	NANOTTICA 1.2ft PC 2200/840 DALI
100140	NANOTTICA 1.4ft PC 2600/840 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
100144	NANOTTICA 1.5ft PC 3250/840 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

Digital dimmable driver DALI - plastic clips

	1F	3F	M1h	M3h	3F M1h	3F M3h
100148		x	x	x	x	x
100149		x	x	x	x	x
100150		x	x	x	x	x
100151		100162	100173	100181	100189	100197
100152		100163	100174	100182	100190	100198
100153		100164	100175	100183	100191	100199
100154		100165	100176	100184	100192	100200
100155		100166	100177	100185	100193	100201
100156		100167	100178	100186	100194	100202
100157		100168	100179	100187	100195	100203
100158		100169	100180	100188	100196	100204

NANOTTICA PCc DALI

Code	Type
100205	NANOTTICA 1.2ft PCc 1300/840 DALI
100206	NANOTTICA 1.2ft PCc 1600/840 DALI
100207	NANOTTICA 1.2ft PCc 2200/840 DALI
100208	NANOTTICA 1.4ft PCc 2600/840 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
100212	NANOTTICA 1.5ft PCc 3250/840 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

Digital dimmable driver DALI - stainless clips (c)

	1F	3F	M1h	M3h	3F M1h	3F M3h
100216		x	x	x	x	x
100217		x	x	x	x	x
100218		x	x	x	x	x
100219		100230	100241	100249	100257	100265
100220		100231	100242	100250	100258	100266
100221		100232	100243	100251	100259	100267
100222		100233	100244	100252	100260	100268
100223		100234	100245	100253	100261	100269
100224		100235	100246	100254	100262	100270
100225		100236	100247	100255	100263	100271
100226		100237	100248	100256	100264	100272

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) 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

