ЮНИА-Т ЕООД
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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

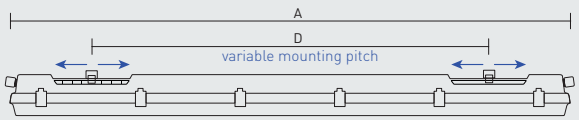
- Patented optics ensures absolute control over light beam distribution
- Low **UGR ranging from 19,1 to 23,4**
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25°C to **ta = 50°C**
- Lifetime: 50 000 hours / L90B10
- High **mechanical resistance IK10**
- **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, ESČ, ENEC, CB, HACCP**

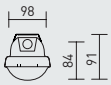
NANOTTICA PC, PCc



TECHNICAL DESCRIPTION

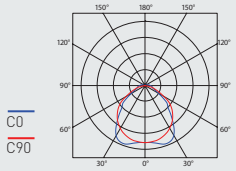
- Light fitting protection: **IP66 / IP69**
- Maximum ambient temperature: **ta = 50 °C**
- Maximum ambient temperature: ta = 0-25 °C for version with emergency back-up M1h, M3h
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: **165 lm/W**
- **UGR ranging from 19,1 to 23,4**
- Optimum 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

NANOTTICA 1.5ft



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 - diffusor 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

Code	Type	Non-dimmable driver - plastic clips					
		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

Code	Type	Non-dimmable driver - stainless clips (c)					
		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

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
100137	NANOTTICA 1.2ft PC 1300/840 DALI	100148	x	x	x	x	x
100138	NANOTTICA 1.2ft PC 1600/840 DALI	100149	x	x	x	x	x
100139	NANOTTICA 1.2ft PC 2200/840 DALI	100150	x	x	x	x	x
100140	NANOTTICA 1.4ft PC 2600/840 DALI	100151	100162	100173	100181	100189	100197
100141	NANOTTICA 1.4ft PC 3200/840 DALI	100152	100163	100174	100182	100190	100198
100142	NANOTTICA 1.4ft PC 4400/840 DALI	100153	100164	100175	100183	100191	100199
100143	NANOTTICA 1.4ft PC 6400/840 DALI	100154	100165	100176	100184	100192	100200
100144	NANOTTICA 1.5ft PC 3250/840 DALI	100155	100166	100177	100185	100193	100201
100145	NANOTTICA 1.5ft PC 4000/840 DALI	100156	100167	100178	100186	100194	100202
100146	NANOTTICA 1.5ft PC 5500/840 DALI	100157	100168	100179	100187	100195	100203
100147	NANOTTICA 1.5ft PC 8000/840 DALI	100158	100169	100180	100188	100196	100204

NANOTTICA PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
100205	NANOTTICA 1.2ft PCc 1300/840 DALI	100216	x	x	x	x	x
100206	NANOTTICA 1.2ft PCc 1600/840 DALI	100217	x	x	x	x	x
100207	NANOTTICA 1.2ft PCc 2200/840 DALI	100218	x	x	x	x	x
100208	NANOTTICA 1.4ft PCc 2600/840 DALI	100219	100230	100241	100249	100257	100265
100209	NANOTTICA 1.4ft PCc 3200/840 DALI	100220	100231	100242	100250	100258	100266
100210	NANOTTICA 1.4ft PCc 4400/840 DALI	100221	100232	100243	100251	100259	100267
100211	NANOTTICA 1.4ft PCc 6400/840 DALI	100222	100233	100244	100252	100260	100268
100212	NANOTTICA 1.5ft PCc 3250/840 DALI	100223	100234	100245	100253	100261	100269
100213	NANOTTICA 1.5ft PCc 4000/840 DALI	100224	100235	100246	100254	100262	100270
100214	NANOTTICA 1.5ft PCc 5500/840 DALI	100225	100236	100247	100255	100263	100271
100215	NANOTTICA 1.5ft PCc 8000/840 DALI	100226	100237	100248	100256	100264	100272

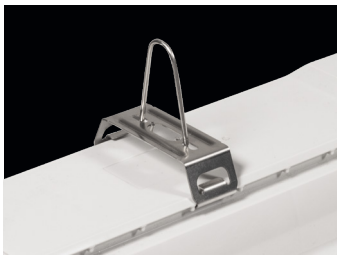
LEGEND

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)

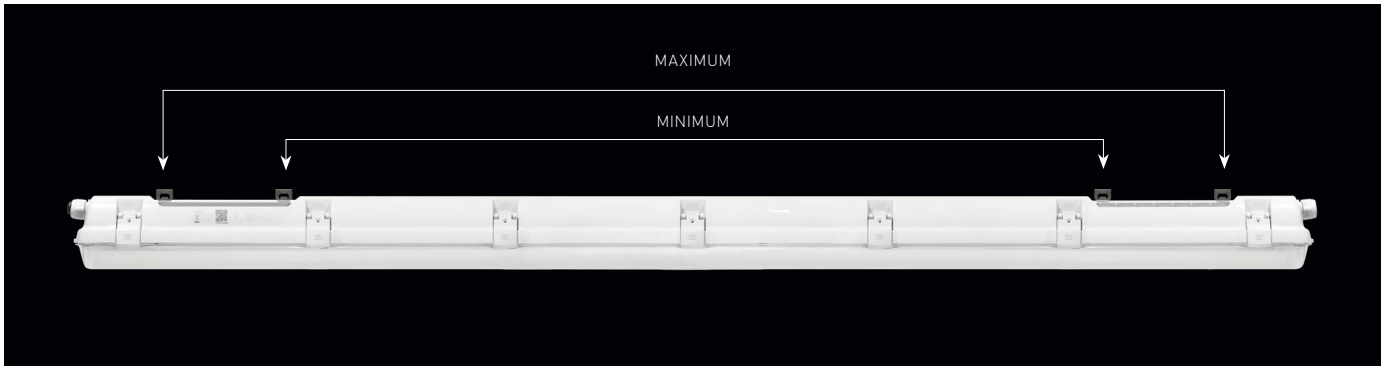
LIGHT FITTING ATTACHMENT

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



