



**Hazardous**  
Lighting Solutions LTD



# NANOTTICA

*Ceiling height from 3.5 to 8 metres, impact resistant.*



INDUSTRIAL BUILDINGS



WAREHOUSES



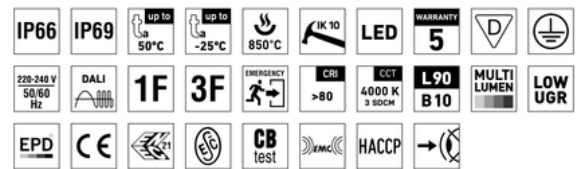
AGRIBUSINESS



PRODUCTION LINES



WASTE INCINERATORS



## MECHANICAL FEATURES

- Housing:** Grey polycarbonate
- Diffuser:** Translucent polycarbonate
- Ingress protection:** IP66/IP69
- Impact strength:** IK10
- Mounting:** Suitable for suspended, ceiling, wall, and surface mounting via stainless hooks and brackets

## ELECTRICAL FEATURES

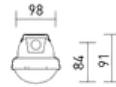
- Electric equipment:** LED modules, fixed output driver or DALI driver
- Wiring:** Optional through wiring (up to 5 wires inside light fitting)
- Certification:** ESČ, ENEC, CB, HACCP
- Maximum Light Efficiency:** 165 lm/W

## WORK PARAMETERS

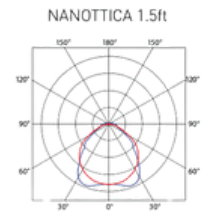
- Ambient Temperatures:** -25°C to +50°C
- Lifetime:** 50.000h L90 B10

## PHOTOMETRICAL PARAMETERS

- CRI:** >80 standard
- Colour temperature:** 4000K - standard
- CRI >80:** 3000K, 5000K, 6500K - on request
- CRI >90:** 3000K, 4000K, 5000, 6500K - on request



**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)	Net Weight (kg)	A (mm)	D (mm)
Up to ambient temperature $t_a = 50\text{ °C}$ – body: grey polycarbonate – diffusor with nanooptics (standard beam angle), transparent polycarbonate								
NANOTTICA 1.2ft PC 1600/840	50	1630	1530	10.5	146	0.9	615	110–370
NANOTTICA 1.2ft PC 2200/840 *	45	2360	2220	14.6	152	0.9	615	110–370
NANOTTICA 1.4ft PC 3200/840	50	3260	3060	20.1	152	1.7	1175	700–960
NANOTTICA 1.4ft PC 4400/840	45	4520	4250	27.3	156	1.7	1175	700–960
NANOTTICA 1.4ft PC 6400/840 *	35	6500	6110	38.5	159	1.7	1175	700–960
NANOTTICA 1.4ft PC 8000/840	35	8160	7670	49	157	1.7	1175	700–960
NANOTTICA 1.5ft PC 4000/840	50	4180	3930	25.3	155	2	1455	970–1230
NANOTTICA 1.5ft PC 5500/840 *	45	5590	5250	33.3	157	2	1455	970–1230
NANOTTICA 1.5ft PC 8000/840 *	45	8020	7540	47.4	159	2	1455	970–1230
NANOTTICA 1.5ft PC 10000/840	35	10350	9730	62.9	155	2	1455	970–1230

\*) Also available with MultiLumen function:

Type	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 1.2ft PC 2200/840 ML	1920	13	148	1620	11	147	1310	9.1	144
NANOTTICA 1.4ft PC 4400/840 ML	3680	23.3	158	3110	19.5	159	2520	15.8	159
NANOTTICA 1.4ft PC 6400/840 ML	5300	32.8	162	4480	27.4	164	3640	22.1	165
NANOTTICA 1.5ft PC 5500/840 ML	4550	28.4	160	3840	23.6	163	3100	19.1	162
NANOTTICA 1.5ft PC 8000/840 ML	6550	40.4	162	5540	33.6	165	4480	27.2	165

## NANOTTICA PC

### NON- DIMMABLE DRIVER - PLASTIC CLIPS

Code	Type	1F	3F	M3hAt	3F M3hAt
100002	NANOTTICA 1.2ft PC 1600/840	100013	100024	x	x
100003	NANOTTICA 1.2ft PC 2200/840 ML	100014	100025	x	x
100005	NANOTTICA 1.4ft PC 3200/840	100016	100027	107935	107943
100006	NANOTTICA 1.4ft PC 4400/840 ML	100017	100028	107936	107944
100007	NANOTTICA 1.4ft PC 6400/840 ML	100018	100029	107937	107945
110157	NANOTTICA 1.4ft PC 8000/840	110159	110161	x	x
100008	NANOTTICA 1.5ft PC 4000/840	100020	100031	107939	107947
100010	NANOTTICA 1.5ft PC 5500/840 ML	100021	100032	107940	107948
100011	NANOTTICA 1.5ft PC 8000/840 ML	100022	100033	107941	107949
110158	NANOTTICA 1.5ft PC 10000/840	110160	110162	x	x

## NANOTTICA PCc

### NON- DIMMABLE DRIVER - STAINLESS CLIPS

Code	Type	1F	3F	M3hAt	3F M3hAt
100070	NANOTTICA 1.2ft PCc 1600/840	100081	100092	x	x
100071	NANOTTICA 1.2ft PCc 2200/840 ML	100082	100093	x	x
100073	NANOTTICA 1.4ft PCc 3200/840	100084	100095	107951	107959
100074	NANOTTICA 1.4ft PCc 4400/840 ML	100085	100096	107952	107960
100075	NANOTTICA 1.4ft PCc 6400/840 ML	100086	100097	107953	107961
110163	NANOTTICA 1.4ft PCc 8000/840	110165	110167	x	x
100077	NANOTTICA 1.5ft PCc 4000/840	100088	100099	107955	107995
100078	NANOTTICA 1.5ft PCc 5500/840 ML	100089	100100	107956	107996
100079	NANOTTICA 1.5ft PCc 8000/840 ML	100090	100101	107957	107997
110164	NANOTTICA 1.5ft PCc 10000/840	110166	110168	x	x

## NANOTTICA PC DALI

### DIGITAL DIMMABLE DRIVER DALI - PLASTIC CLIPS

Code	Type	1F	3F	M3hAt	3F M3hAt
100138	NANOTTICA 1.2ft PC 1600/840 DALI	100149	x	x	x
100139	NANOTTICA 1.2ft PC 2200/840 DALI	100150	x	x	x
100141	NANOTTICA 1.4ft PC 3200/840 DALI	100152	100163	107963	107971
100142	NANOTTICA 1.4ft PC 4400/840 DALI	100153	100164	107964	107972
100143	NANOTTICA 1.4ft PC 6400/840 DALI	100154	100165	107965	107973
110169	NANOTTICA 1.4ft PC 8000/840 DALI	110171	110173	x	x
100145	NANOTTICA 1.5ft PC 4000/840 DALI	100156	100167	107967	107975
100146	NANOTTICA 1.5ft PC 5500/840 DALI	100157	100168	107968	107976
100147	NANOTTICA 1.5ft PC 8000/840 DALI	100158	100169	107969	107977
110170	NANOTTICA 1.5ft PC 10000/840 DALI	110172	110174	x	x

## NANOTTICA PCc DALI

### DIGITAL DIMMABLE DRIVER DALI - STAINLESS STEEL CLIPS (C)

Code	Type	1F	3F	M3hAt	3F M3hAt
100206	NANOTTICA 1.2ft PCc 1600/840 DALI	100217	x	x	x
100207	NANOTTICA 1.2ft PCc 2200/840 DALI	100218	x	x	x
100209	NANOTTICA 1.4ft PCc 3200/840 DALI	100220	100231	107979	107987
100210	NANOTTICA 1.4ft PCc 4400/840 DALI	100221	100232	107980	107988
100211	NANOTTICA 1.4ft PCc 6400/840 DALI	100222	100233	107981	107989
110175	NANOTTICA 1.4ft PCc 8000/840 DALI	110177	110179	x	x
100213	NANOTTICA 1.5ft PCc 4000/840 DALI	100224	100235	107983	107991
100214	NANOTTICA 1.5ft PCc 5500/840 DALI	100225	100236	107984	107992
100215	NANOTTICA 1.5ft PCc 8000/840 DALI	100226	100237	107985	107993
110176	NANOTTICA 1.5ft PCc 10000/840 DALI	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

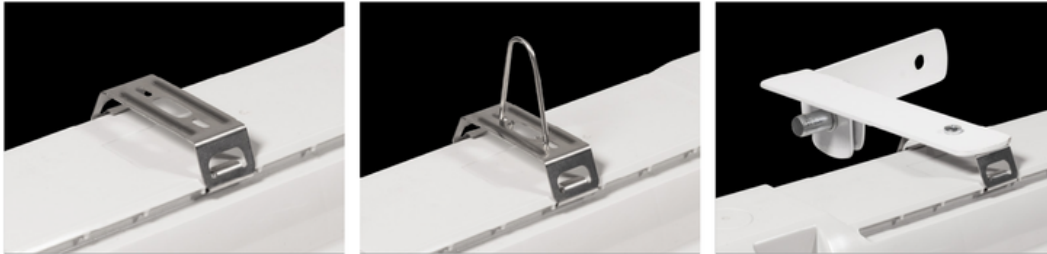
**DALI 1F** - 1-phase 5 core through-wiring in the luminaire

**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

