

NANOTTICA CLASS II



... class II insulation, 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.

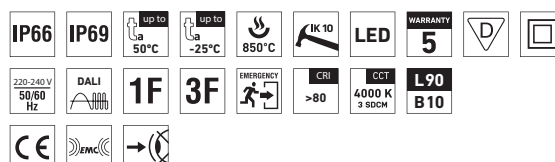
The fitting is highly recommended for illumination of premises where workers' visual precision is of paramount importance. These include workshops where fine assembly work is performed as well as craft workshops and visual inspection areas.

Its standard beam angle makes it a perfect choice for premises with an optimum luminaire installation height of 3.5 to 8 m. The fixture is intended for indoor spaces, industrial and agricultural buildings, warehouses, rail vehicle maintenance facilities, platforms, substations, depots, car parks, 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 $t_a = -25\text{ }^\circ\text{C}$ to $t_a = 50\text{ }^\circ\text{C}$
- 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 6 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



NANOTTICA CLASS II PC, PCc



TECHNICAL DESCRIPTION

- Light fitting protection: IP66 / IP69
- Maximum ambient temperature: $t_a = 50\text{ }^\circ\text{C}$
- Maximum ambient temperature: $t_a = 0\text{-}25\text{ }^\circ\text{C}$ 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
- Connectors with 2, 4 or 6 poles, wire section 1.5 or 2.5 mm²
- The package includes the opposite of the counterpart
- The values stated for power consumption and luminous flux are in a tolerance of $\pm 7.5\%$

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

NANOTTICA CLASS II PC

Code	Type
101813	NANOTTICA 1.2ft CLASS II PC 1300/840
101814	NANOTTICA 1.2ft CLASS II PC 1600/840
101815	NANOTTICA 1.2ft CLASS II PC 2200/840
101816	NANOTTICA 1.4ft CLASS II PC 2600/840
101817	NANOTTICA 1.4ft CLASS II PC 3200/840
101818	NANOTTICA 1.4ft CLASS II PC 4400/840
101819	NANOTTICA 1.4ft CLASS II PC 6400/840
101820	NANOTTICA 1.5ft CLASS II PC 3250/840
101821	NANOTTICA 1.5ft CLASS II PC 4000/840
101822	NANOTTICA 1.5ft CLASS II PC 5500/840
101823	NANOTTICA 1.5ft CLASS II PC 8000/840

Non-dimmable driver - plastic clips

	1F	3F	M1h	M3h	3F M1h	3F M3h
101824		101835	x	x	x	x
101825		101836	x	x	x	x
101826		101837	x	x	x	x
101827		101838	101846	101854	101862	101870
101828		101839	101847	101855	101863	101871
101829		101840	101848	101856	101864	101872
101830		101841	101849	101857	101865	101873
101831		101842	101850	101858	101866	101874
101832		101843	101851	101859	101867	101875
101833		101844	101852	101860	101868	101876
101834		101845	101853	101861	101869	101877

NANOTTICA CLASS II PCc

Code	Type
101878	NANOTTICA 1.2ft CLASS II PCc 1300/840
101879	NANOTTICA 1.2ft CLASS II PCc 1600/840
101880	NANOTTICA 1.2ft CLASS II PCc 2200/840
101881	NANOTTICA 1.4ft CLASS II PCc 2600/840
101882	NANOTTICA 1.4ft CLASS II PCc 3200/840
101883	NANOTTICA 1.4ft CLASS II PCc 4400/840
101884	NANOTTICA 1.4ft CLASS II PCc 6400/840
101885	NANOTTICA 1.5ft CLASS II PCc 3250/840
101886	NANOTTICA 1.5ft CLASS II PCc 4000/840
101887	NANOTTICA 1.5ft CLASS II PCc 5500/840
101888	NANOTTICA 1.5ft CLASS II PCc 8000/840

Non-dimmable driver - stainless clips (c)

	1F	3F	M1h	M3h	3F M1h	3F M3h
101889		101900	x	x	x	x
101890		101901	x	x	x	x
101891		101902	x	x	x	x
101892		101903	101911	101919	101927	101935
101893		101904	101912	101920	101928	101936
101894		101905	101913	101921	101929	101937
101895		101906	101914	101922	101930	101938
101896		101907	101915	101923	101931	101939
101897		101908	101916	101924	101932	101940
101898		101909	101917	101925	101933	101941
101899		101910	101918	101926	101934	101942

NANOTTICA CLASS II PC DALI

Code	Type
101943	NANOTTICA 1.2ft CLASS II PC 1300/840 DALI
101944	NANOTTICA 1.2ft CLASS II PC 1600/840 DALI
101945	NANOTTICA 1.2ft CLASS II PC 2200/840 DALI
101946	NANOTTICA 1.4ft CLASS II PC 2600/840 DALI
101947	NANOTTICA 1.4ft CLASS II PC 3200/840 DALI
101948	NANOTTICA 1.4ft CLASS II PC 4400/840 DALI
101949	NANOTTICA 1.4ft CLASS II PC 6400/840 DALI
101950	NANOTTICA 1.5ft CLASS II PC 3250/840 DALI
101951	NANOTTICA 1.5ft CLASS II PC 4000/840 DALI
101952	NANOTTICA 1.5ft CLASS II PC 5500/840 DALI
101953	NANOTTICA 1.5ft CLASS II PC 8000/840 DALI

Digital dimmable driver DALI - plastic clips

	1F	3F	M1h	M3h	3F M1h	3F M3h
101954		x	x	x	x	x
101955		x	x	x	x	x
101956		x	x	x	x	x
101957		101968	101976	101984	101992	102000
101958		101969	101977	101985	101993	102001
101959		101970	101978	101986	101994	102002
101960		101971	101979	101987	101995	102003
101961		101972	101980	101988	101996	102004
101962		101973	101981	101989	101997	102005
101963		101974	101982	101990	101998	102006
101964		101975	101983	101991	101999	102007

NANOTTICA CLASS II PCc DALI

Code	Type
102008	NANOTTICA 1.2ft CLASS II PCc 1300/840 DALI
102009	NANOTTICA 1.2ft CLASS II PCc 1600/840 DALI
102010	NANOTTICA 1.2ft CLASS II PCc 2200/840 DALI
102011	NANOTTICA 1.4ft CLASS II PCc 2600/840 DALI
102012	NANOTTICA 1.4ft CLASS II PCc 3200/840 DALI
102013	NANOTTICA 1.4ft CLASS II PCc 4400/840 DALI
102014	NANOTTICA 1.4ft CLASS II PCc 6400/840 DALI
102015	NANOTTICA 1.5ft CLASS II PCc 3250/840 DALI
102016	NANOTTICA 1.5ft CLASS II PCc 4000/840 DALI
102017	NANOTTICA 1.5ft CLASS II PCc 5500/840 DALI
102018	NANOTTICA 1.5ft CLASS II PCc 8000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

	1F	3F	M1h	M3h	3F M1h	3F M3h
102019		x	x	x	x	x
102020		x	x	x	x	x
102021		x	x	x	x	x
102022		102033	102041	102049	102057	102065
102023		102034	102042	102050	102058	102066
102024		102035	102043	102051	102059	102067
102025		102036	102044	102052	102060	102068
102026		102037	102045	102053	102061	102069
102027		102038	102046	102054	102062	102070
102028		102039	102047	102055	102063	102071
102029		102040	102048	102056	102064	102072

LEGEND

- CLASS II 1F 1-phase 2 core through-wiring in the luminaire
- CLASS II 3F 3-phase 4 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
- CLASS II 3F Mxh 3-phase 4 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

- DALI version with digital dimmable driver DALI
- CLASS II DALI 1F 1-phase 4 core through-wiring in the luminaire
- CLASS II DALI 3F 3-phase 6 core through-wiring in the luminaire
- CLASS II DALI 3F Mxh 3-phase 6 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 CLASS II



LIGHT FITTING DETAILED VIEW NANOTTICA CLASS II

