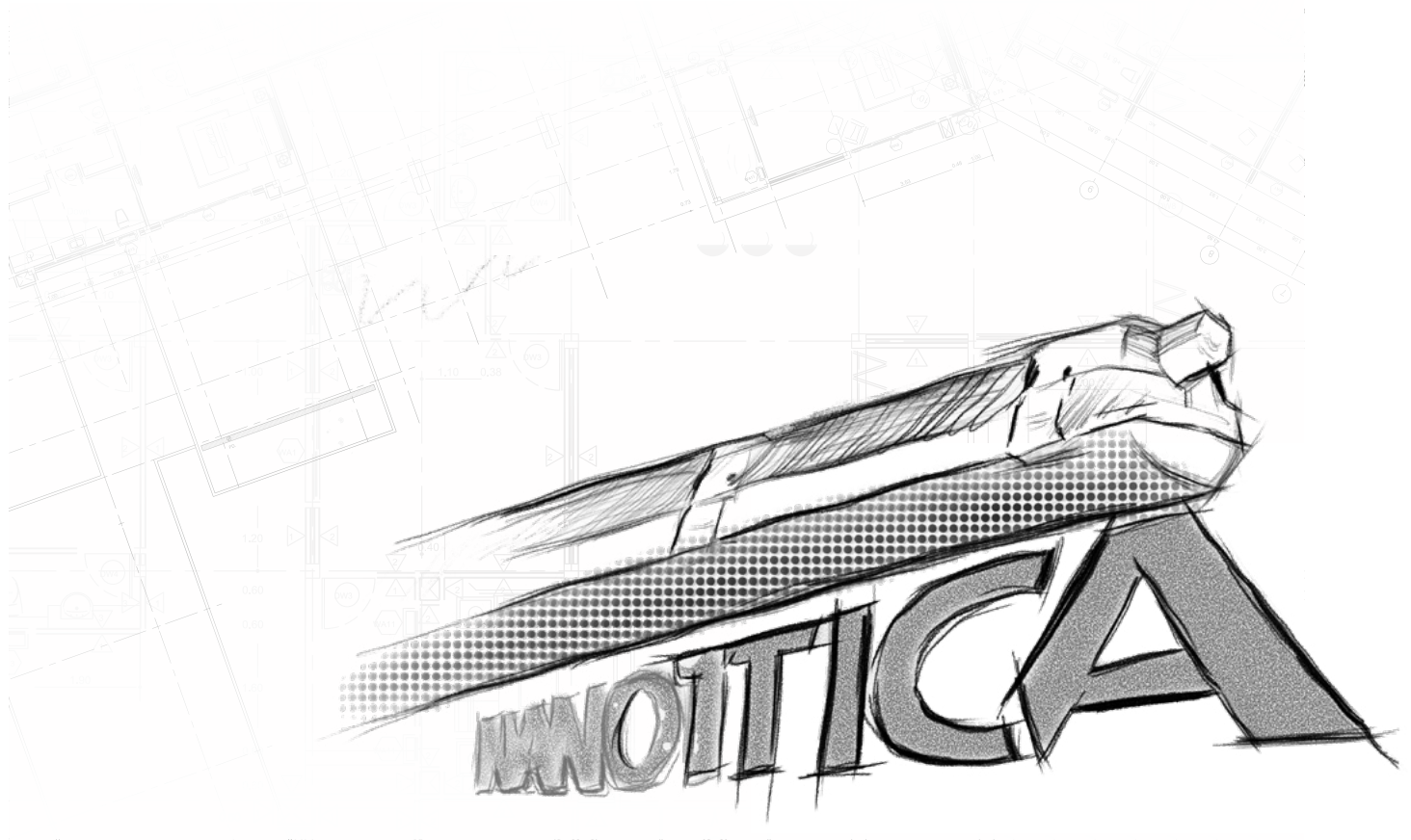




NANOITICA

TRE≡VOS



NANOTTICA

NANOTTICA builds on our 14-year-old most successful range of moisture-proof PRIMA LED luminaire. A Trevos's breakthrough weather-proof luminaire with patent-pending **NANOOPTICS technology** for a unique diffuser, is coming. NANOOPTICS technology has the power to **absolutely control the light** out of the luminaire. NANOTTICA with its LED service life of 50,000 hours (L90), low level of UGR and up to 65°C temperature resistance provides the professional solution of up to 180 lm/W in demanding industrial surroundings.

WHY?

THE BEST SOLUTIONS:

- a. SUPER EFFICIENCY with LOW LEVEL of UGR (NANOTTICA ES TRS)
- b. SUPER EFFICIENCY, energy saving solution (NANOTTICA ES)
- c. LOW LEVEL of UGR, anti-glare (NANOTTICA TRS)

TYPE	CHARACTER		MATERIAL BODY/ MATERIAL DIFFUSER
NANOTTICA ES TRS	super efficiency and UGR	3,5 - 8 meters high ceilings	TRS PC/PC
NANOTTICA ES	super efficiency, energy saver	3,5 - 8 meters high ceilings	PC/PC
NANOTTICA TRS	super UGR, anti-glare	3,5 - 8 meters high ceilings	TRS PC/PC
NANOTTICA	basic	3,5 - 8 meters high ceilings	PC/PC
NANOTTICA NB	narrow beam	7,5 - 12 meter high ceilings	PC/PC
NANOTTICA WB	wide beam	2,5 - 4 meters low ceilings	PC/PC
NANOTTICA ES ABS	chemically resistant, super efficiency, energy saver	3,5 - 8 meters high ceilings	ABS/AC
NANOTTICA ABS	chemically resistant	3,5 - 8 meters high ceilings	ABS/AC
NANOTTICA NB ABS	narrow beam chemically resistant	7,5 - 12 meters high ceilings	ABS/AC
NANOTTICA WB ABS	wide beam, chemically resistant	2,5 - 4 meters low ceilings	ABS/AC
NANOTTICA VP	ventilation membrane, outdoor sheltered places	3,5 - 8 meters high ceilings	PC/PC
NANOTTICA VP ABS	ventilation membrane, outdoor sheltered places, chemically resistant	3,5 - 8 meters high ceilings	ABS/AC
NANOTTICA MAX	for extreme temperatures, -40 C + 65 C	3,5 - 8 meters high ceilings	PCc/PCc
NANOTTICA CLASS II	class II insulation	3,5 - 8 meters high ceilings	PC/PC
NANOTTICA SNS	with motion detector	3,5 - 6 meters high ceilings	PC/PC

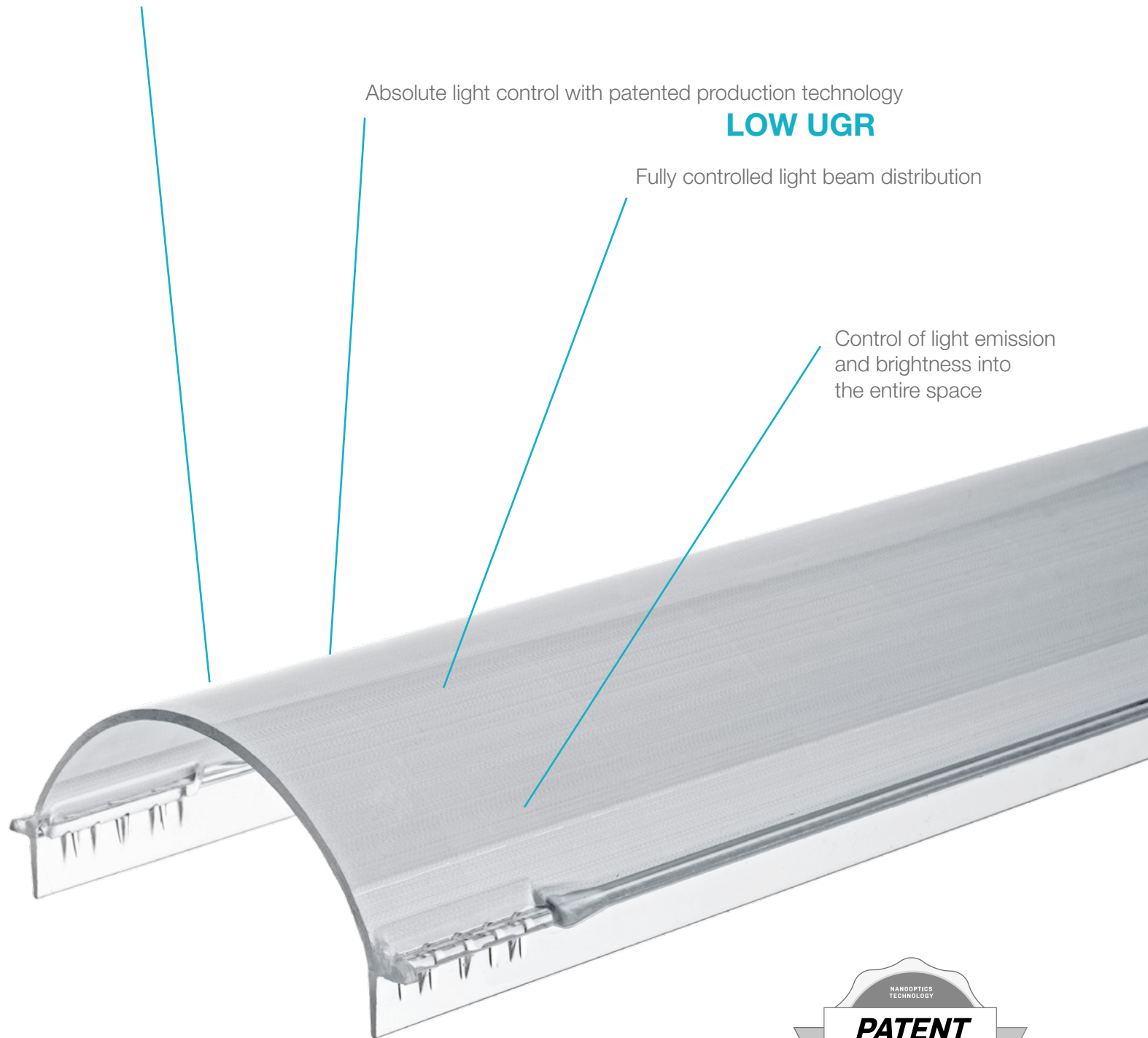
Transparent luminaire cover with an embossed NANOOPTICAL structure

Absolute light control with patented production technology

LOW UGR

Fully controlled light beam distribution

Control of light emission and brightness into the entire space



WHY?

Breakthrough **NANOOPTICS** in a pure diffuser

patent-pending technology

Improved lighting effect through targeted lighting concepts within the entire space

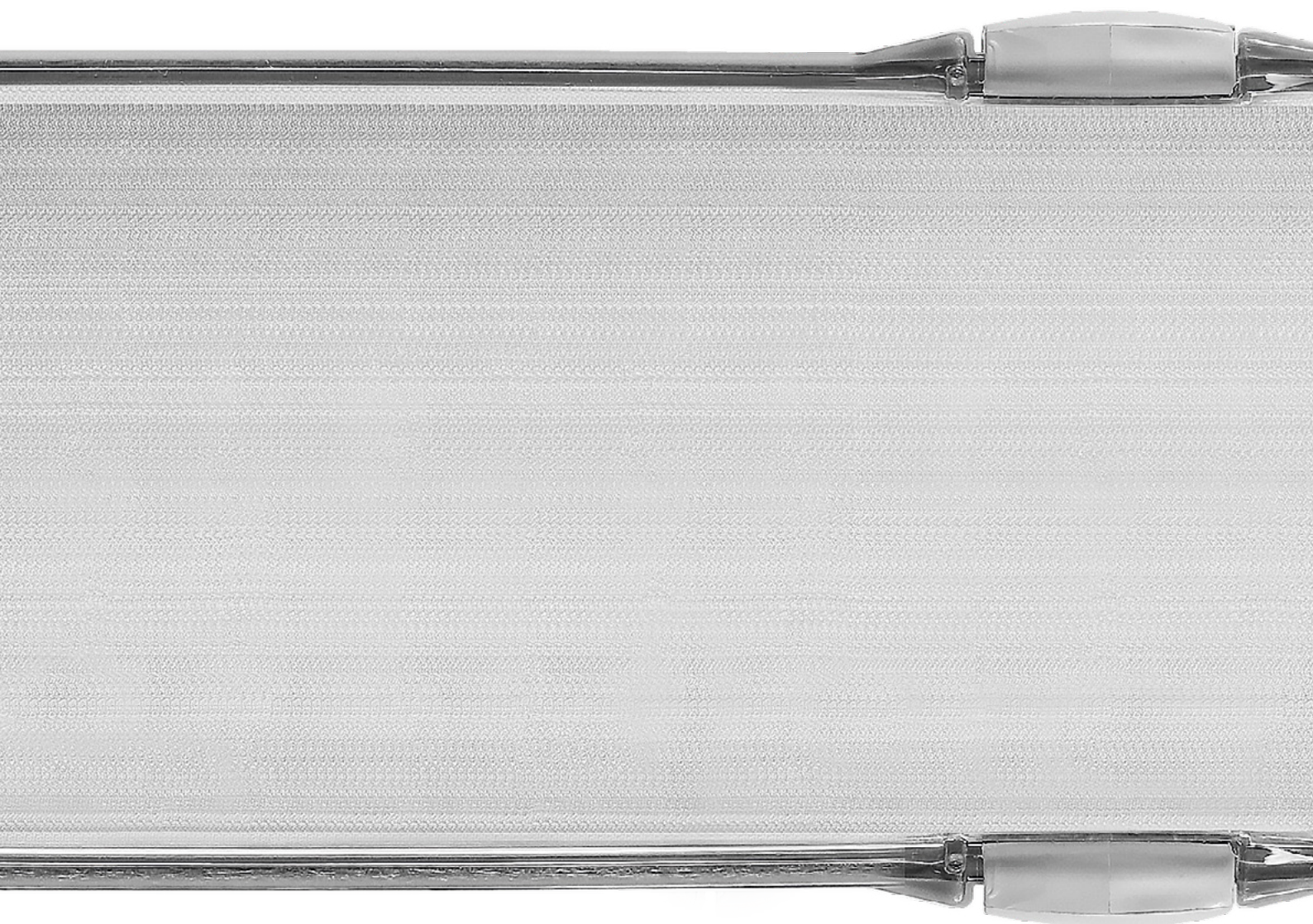
High efficiency in minimization of direct discomfort glare

Great visual comfort, preventing tired eyes and improved people productivity

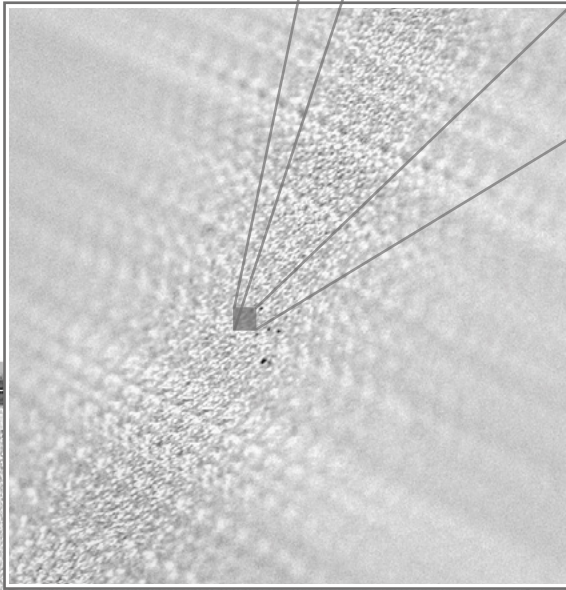
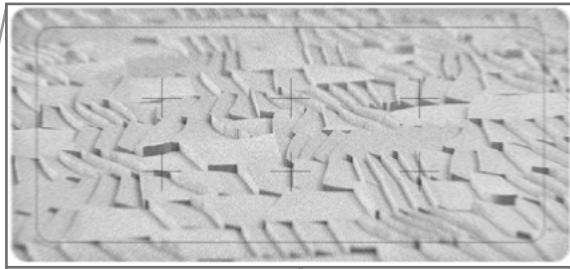
Balanced shadowing and uniform light

Maximum economic and energy efficiency

Dimmable luminaire with DALI controllable electronic ballast



High optical
efficiency **94%**



sophisticated
nanostructure
with **extraordinary**
optical properties

APPLICATIONS

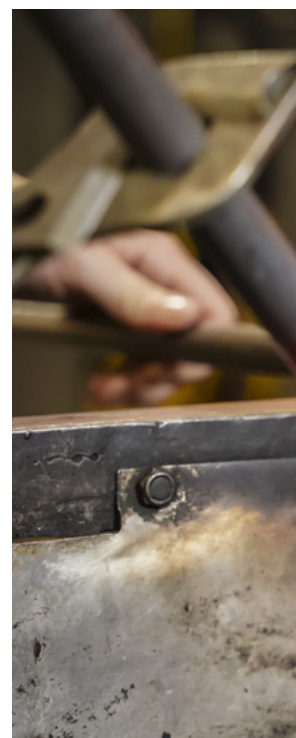


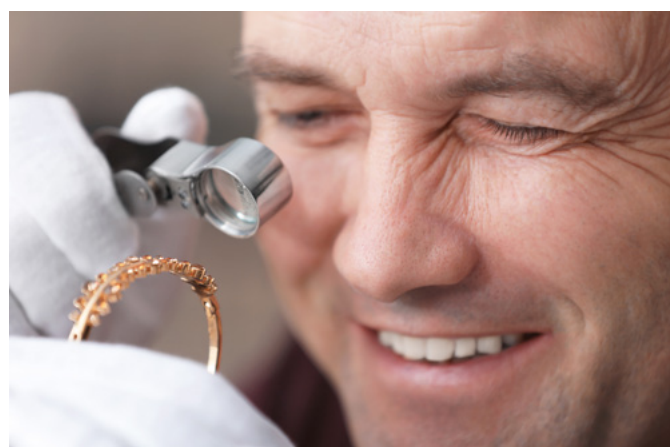
SUPER EFFICIENCY with
ENERGY SAVING solution:

Industry
engineering
production
car parks
halls and logistics.

ANTI-GLARE
with the low level of UGR

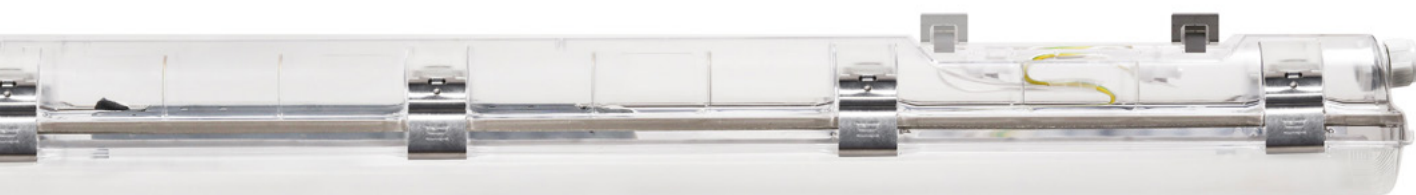
Workshops and other industrial
environments with the maximum detail of
visual performance





APPLICATIONS





BENEFITS

Breakthrough optical system with perfect visual manifestation

Nanostructured surface

Fully controlled light beam distribution

Visual comfort

High visual performance

Work safety

Greater human productivity

IP66 / IP69 protection

IK10

ENEC, CB, DLG, HACCP

Three lengths

Multifunctional ceiling brackets



TECHNICAL FEATURES

Strong performance up to 180 lm/W

Photobiological safety group acc. to EN62778, RG 0

Multifunctional continuous-row trunking system of 60 mm width

Service life 50 000 hours (L90B10)

Built-in ventilation membrane for minimization of internal condensation (NANOTTICA VP)

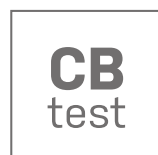
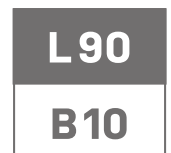
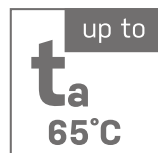
Temperature resistance up to -25 °C and +50 °C

MAX version up to -40 °C and +65 °C

Impact resistance of IK10

CRI > 80: 4000 K, 3000 K, 5000 K, 6500 K

CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K



TECHNICAL FEATURES

ABSOLUTE LIGHTING CONTROL

NANOOPTIC DIFFUSER has the power to control the light out of the luminaire and gives anti-glare NANOOPTICS shields.

NANOTTICA LIGHTING BENEFITS

UGR down to 16

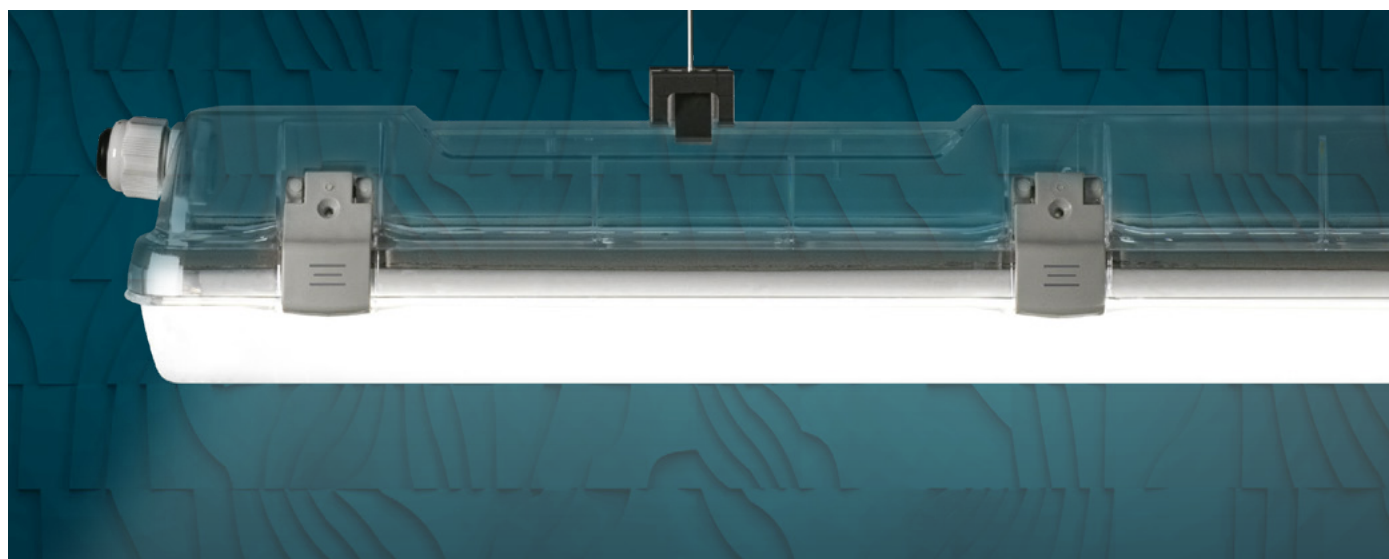
LED high-performance weather-proof lighting up to 180 lm/W

Uniform light – no dark ends

Ceilings installation options: pendant, surface mounted or continuous-row trunking system

Continuous-row trunking system is possible thanks to multifunctional brackets of 60 mm width

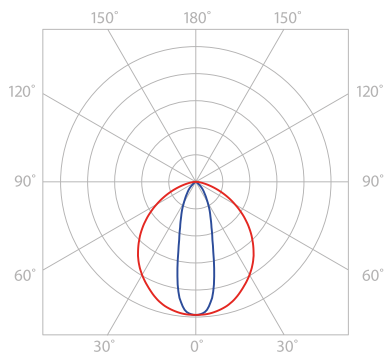
IP66/IP69 – New solution for improved IP66 protection (ventilation membrane on request, more clips)



TECHNICAL FEATURES

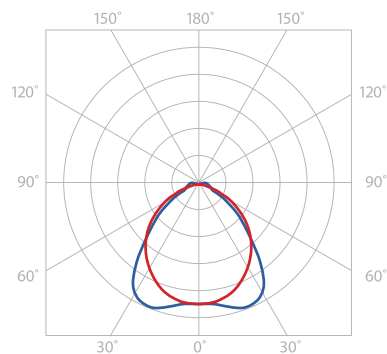
NANOTTICA NB

Narrow beam



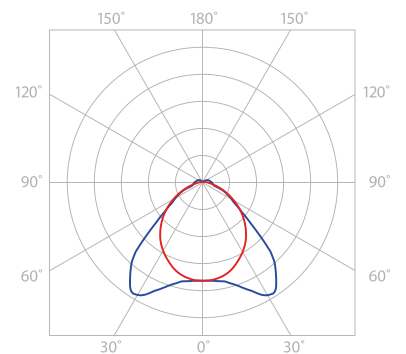
NANOTTICA

Medium beam



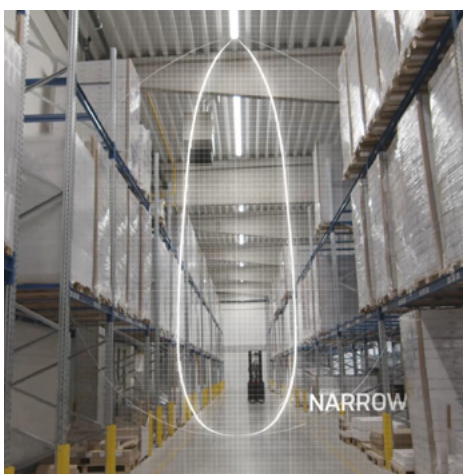
NANOTTICA WB

Wide beam



LOW discomfort glare index **UGR down to 16**

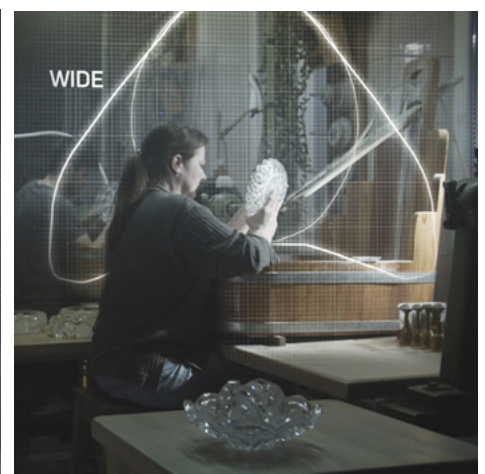
NARROW



MEDIUM



WIDE



TECHNICAL FEATURES

TRS PC/PC



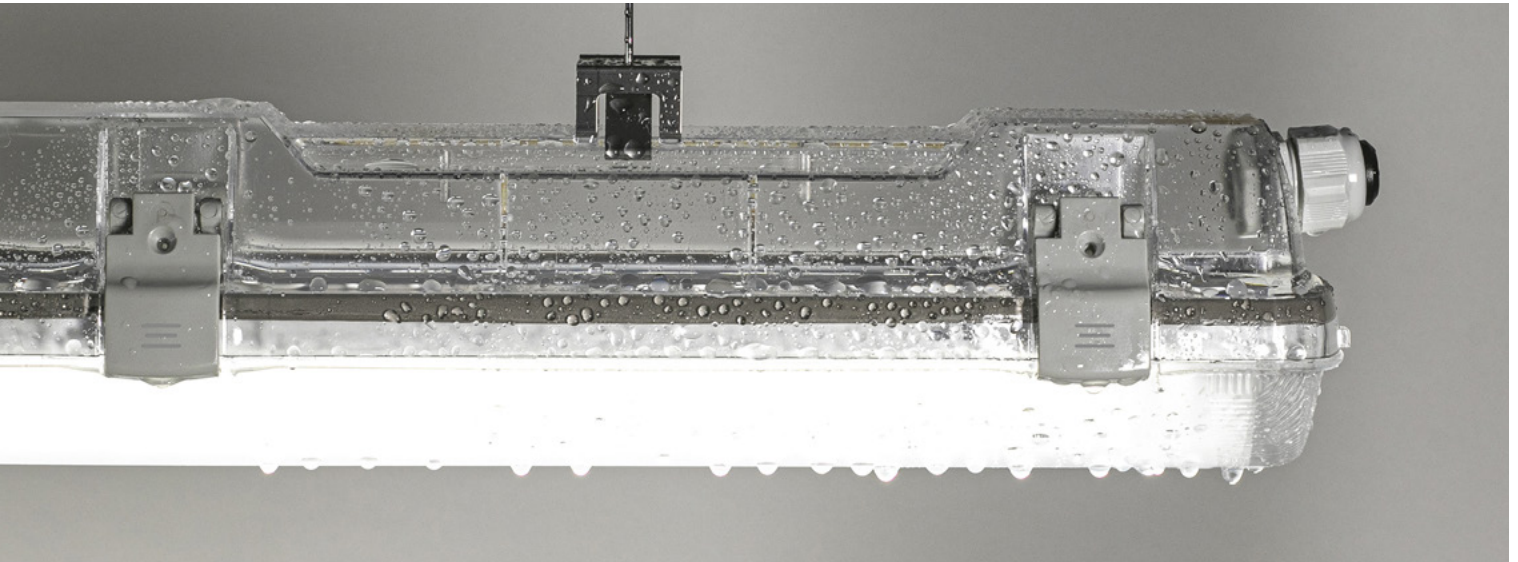
PC/PC



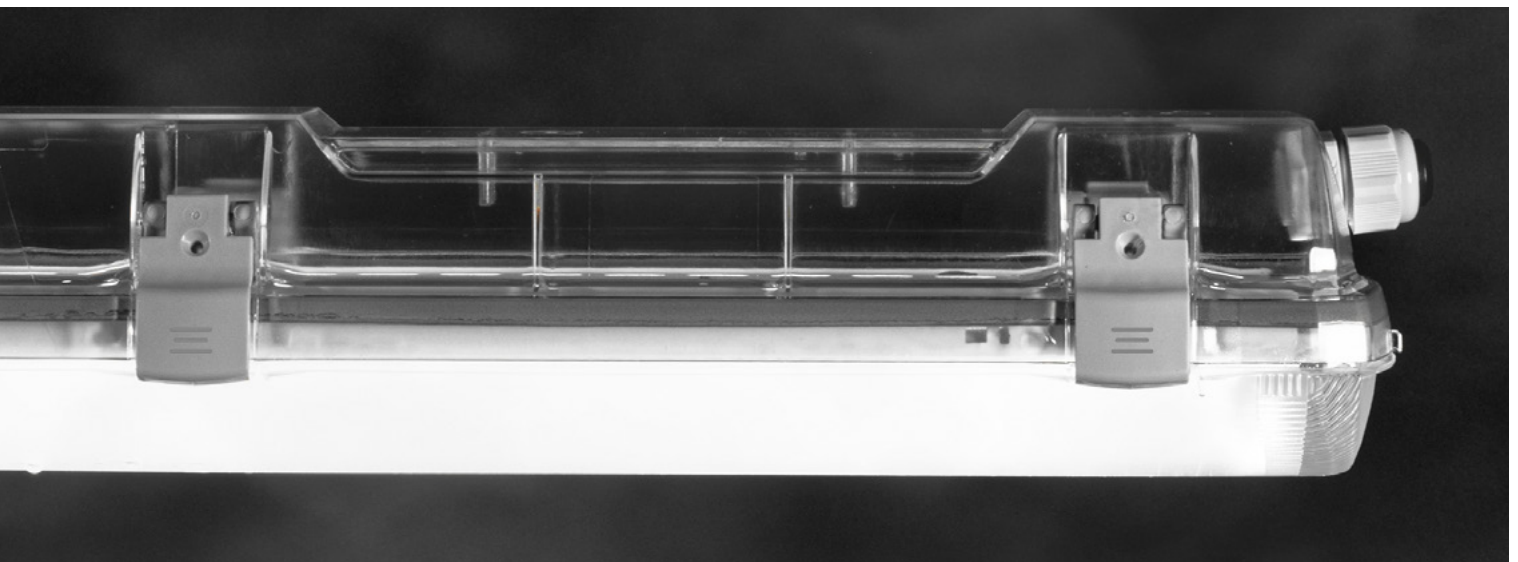
ABS/AC



TECHNICAL SPECIFICATIONS



IP66/IP69



IP66/IP69

TECHNICAL SPECIFICATIONS



MULTIFUNCTIONAL BRACKETS



TEMPERATURE RESISTANCE

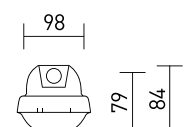
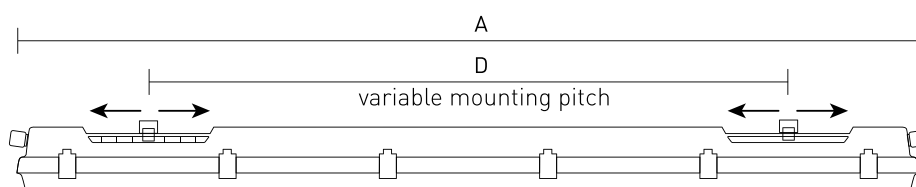
up to -25 °C and + 50 °C

-25 °C ————— +50 °C

MAX TEMPERATURE RESISTANCE

up to -40 °C and + 65 °C

-40 °C ————— +65 °C



NANOTTICA ES TRS

Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of tight fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Net weight [kg]	A [mm]	D [mm]	UGR Longitudinal / transverse
NANOTTICA 1.2ft ES TRS PC 1300/840	50	1300	1180	8	147	0,9	615	110 - 370	16.9 / 18.7
NANOTTICA 1.2ft ES TRS PC 1600/840	50	1600	1460	10	146	0,9	615	110 - 370	17.7 / 19.4
NANOTTICA 1.2ft ES TRS PC 2200/840	45	2200	2010	14	143	0,9	615	110 - 370	18.8 / 20.5
NANOTTICA 1.4ft ES TRS PC 2600/840	50	2600	2370	16	148	1,7	1175	700 - 960	17.2 / 19.2
NANOTTICA 1.4ft ES TRS PC 3200/840	50	3200	2920	19	153	1,7	1175	700 - 960	17.9 / 19.9
NANOTTICA 1.4ft ES TRS PC 4400/840	45	4400	4020	27	148	1,7	1175	700 - 960	19.0 / 21.0
NANOTTICA 1.4ft ES TRS PC 6400/840	45	6400	5850	38	153	1,7	1175	700 - 960	20.3 / 22.4
NANOTTICA 1.5ft ES TRS PC 3250/840	50	3250	2970	20	148	2,0	1455	970 - 1230	17.2 / 19.3
NANOTTICA 1.5ft ES TRS PC 4000/840	50	4000	3660	24	152	2,0	1455	970 - 1230	17.9 / 20.0
NANOTTICA 1.5ft ES TRS PC 5500/840	45	5500	5030	33	152	2,0	1455	970 - 1230	19.0 / 21.1
NANOTTICA 1.5ft ES TRS PC 8000/840	45	8000	7320	47	155	2,0	1455	970 - 1230	20.3 / 22.4

NANOTTICA ES

NANOTTICA 1.2ft ES PC 1300/840	50	1300	1220	8	152	0,9	615	110 - 370	18.9 / 19.9
NANOTTICA 1.2ft ES PC 1600/840	50	1600	1500	10	150	0,9	615	110 - 370	19.6 / 20.6
NANOTTICA 1.2ft ES PC 2200/840	45	2200	2060	14	147	0,9	615	110 - 370	20.7 / 21.7
NANOTTICA 1.4ft ES PC 2600/840	50	2600	2440	16	152	1,7	1175	700 - 960	19.1 / 20.2
NANOTTICA 1.4ft ES PC 3200/840	50	3200	3000	19	157	1,7	1175	700 - 960	19.8 / 20.9
NANOTTICA 1.4ft ES PC 4400/840	45	4400	4130	27	152	1,7	1175	700 - 960	20.9 / 22.0
NANOTTICA 1.4ft ES PC 6400/840	45	6400	6010	38	158	1,7	1175	700 - 960	22.2 / 23.3
NANOTTICA 1.5ft ES PC 3250/840	50	3250	3050	20	152	2,0	1455	970 - 1230	19.1 / 20.3
NANOTTICA 1.5ft ES PC 4000/840	50	4000	3760	24	156	2,0	1455	970 - 1230	19.9 / 21.0
NANOTTICA 1.5ft ES PC 5500/840	45	5500	5170	33	156	2,0	1455	970 - 1230	21.0 / 22.1
NANOTTICA 1.5ft ES PC 8000/840	45	8000	7520	47	160	2,0	1455	970 - 1230	22.3 / 23.4

NANOTTICA TRS

NANOTTICA 1.2ft TRS PC 1300/840	50	1300	1180	9	131	0,9	615	110 - 370	16.9 / 18.7
NANOTTICA 1.2ft TRS PC 1600/840	50	1600	1460	11	132	0,9	615	110 - 370	17.7 / 19.4
NANOTTICA 1.2ft TRS PC 2200/840	45	2200	2010	15	134	0,9	615	110 - 370	18.8 / 20.5
NANOTTICA 1.4ft TRS PC 2600/840	50	2600	2370	18	131	1,7	1175	700 - 960	17.2 / 19.2
NANOTTICA 1.4ft TRS PC 3200/840	50	3200	2920	22	132	1,7	1175	700 - 960	17.9 / 19.9
NANOTTICA 1.4ft TRS PC 4400/840	45	4400	4020	30	134	1,7	1175	700 - 960	19.0 / 21.0
NANOTTICA 1.4ft TRS PC 6400/840	45	6400	5850	43	136	1,7	1175	700 - 960	20.3 / 22.4
NANOTTICA 1.5ft TRS PC 3250/840	50	3250	2970	22	135	2,0	1455	970 - 1230	17.2 / 19.3
NANOTTICA 1.5ft TRS PC 4000/840	50	4000	3660	27	135	2,0	1455	970 - 1230	17.9 / 20.0
NANOTTICA 1.5ft TRS PC 5500/840	45	5500	5030	37	135	2,0	1455	970 - 1230	19.0 / 21.1
NANOTTICA 1.5ft TRS PC 8000/840	45	8000	7320	54	135	2,0	1455	970 - 1230	20.3 / 22.4

NANOTTICA

NANOTTICA 1.2ft PC 1300/840	50	1300	1220	9	135	0,9	615	110 - 370	18.9 / 19.9
NANOTTICA 1.2ft PC 1600/840	50	1600	1500	11	136	0,9	615	110 - 370	19.6 / 20.6
NANOTTICA 1.2ft PC 2200/840	45	2200	2060	15	137	0,9	615	110 - 370	20.7 / 21.7
NANOTTICA 1.4ft PC 2600/840	50	2600	2440	18	135	1,7	1175	700 - 960	19.1 / 20.2
NANOTTICA 1.4ft PC 3200/840	50	3200	3000	22	136	1,7	1175	700 - 960	19.8 / 20.9
NANOTTICA 1.4ft PC 4400/840	45	4400	4130	30	137	1,7	1175	700 - 960	20.9 / 22.0
NANOTTICA 1.4ft PC 6400/840	45	6400	6010	43	139	1,7	1175	700 - 960	22.2 / 23.3
NANOTTICA 1.5ft PC 3250/840	50	3250	3050	22	138	2,0	1455	970 - 1230	19.1 / 20.3
NANOTTICA 1.5ft PC 4000/840	50	4000	3760	27	139	2,0	1455	970 - 1230	19.9 / 21.0
NANOTTICA 1.5ft PC 5500/840	45	5500	5170	37	139	2,0	1455	970 - 1230	21.0 / 22.1
NANOTTICA 1.5ft PC 8000/840	45	8000	7520	54	139	2,0	1455	970 - 1230	22.3 / 23.4



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