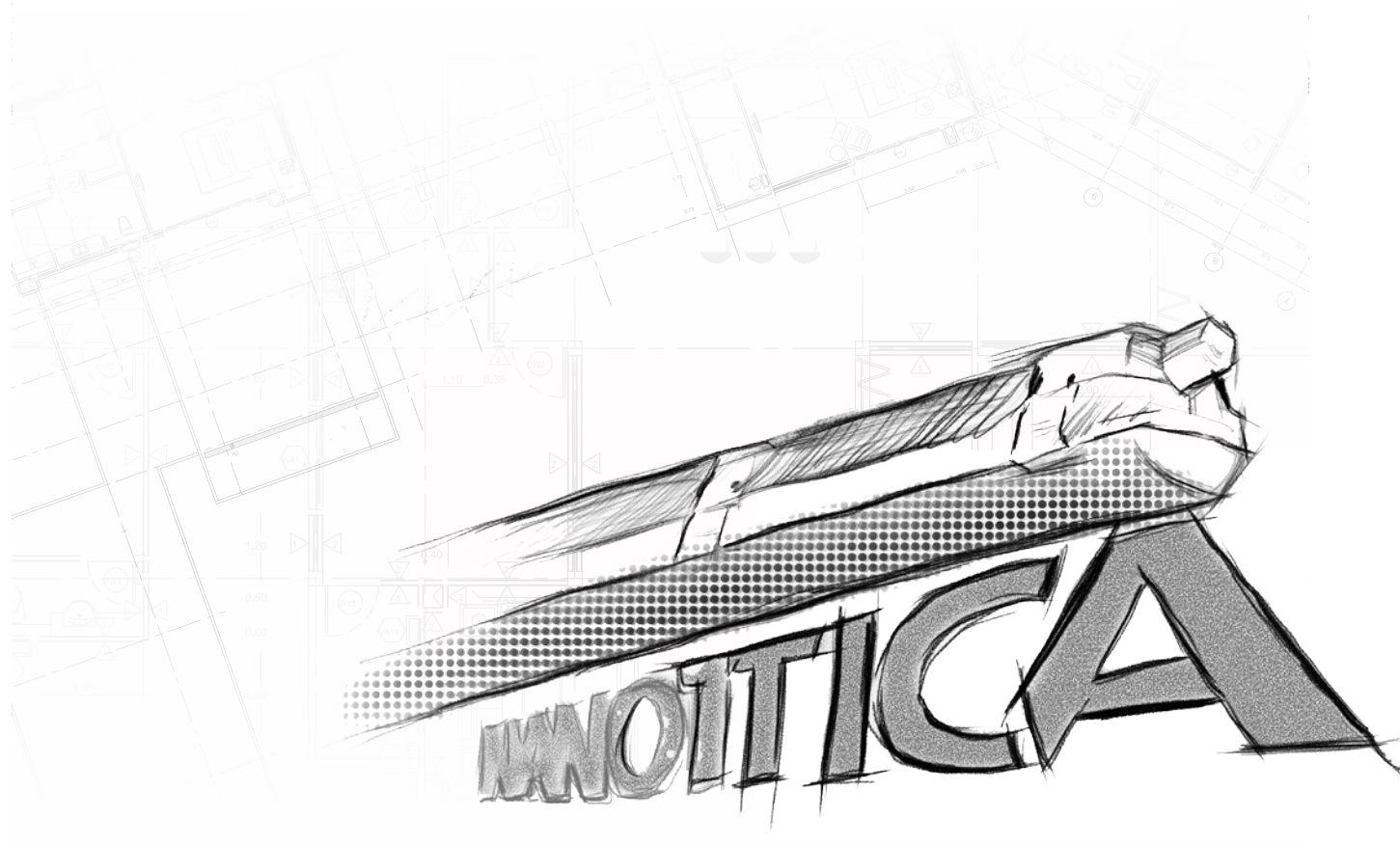




NANOITICA

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

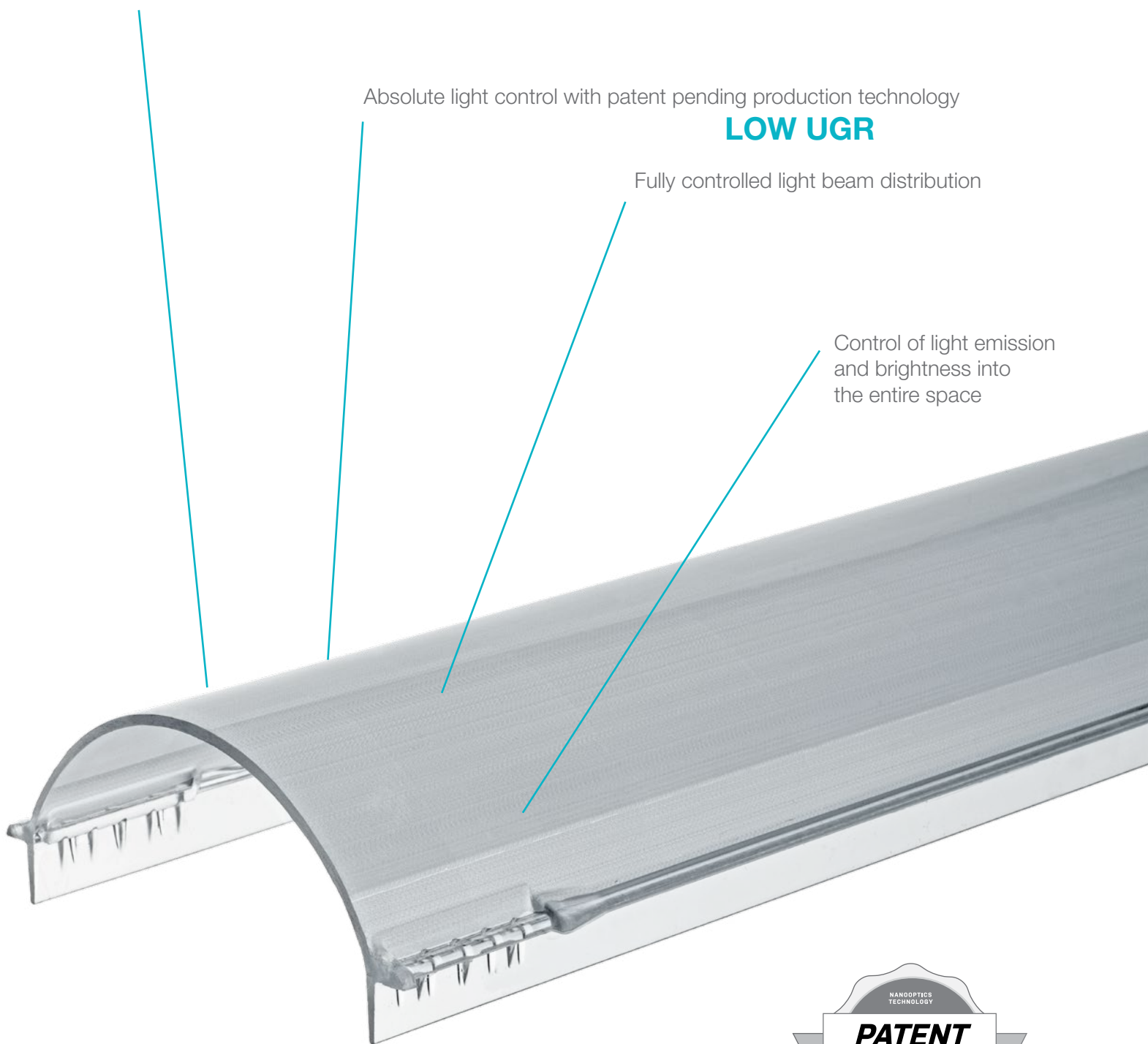
Transparent luminaire cover with an embossed NANOOPTICAL structure

Absolute light control with patent pending 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

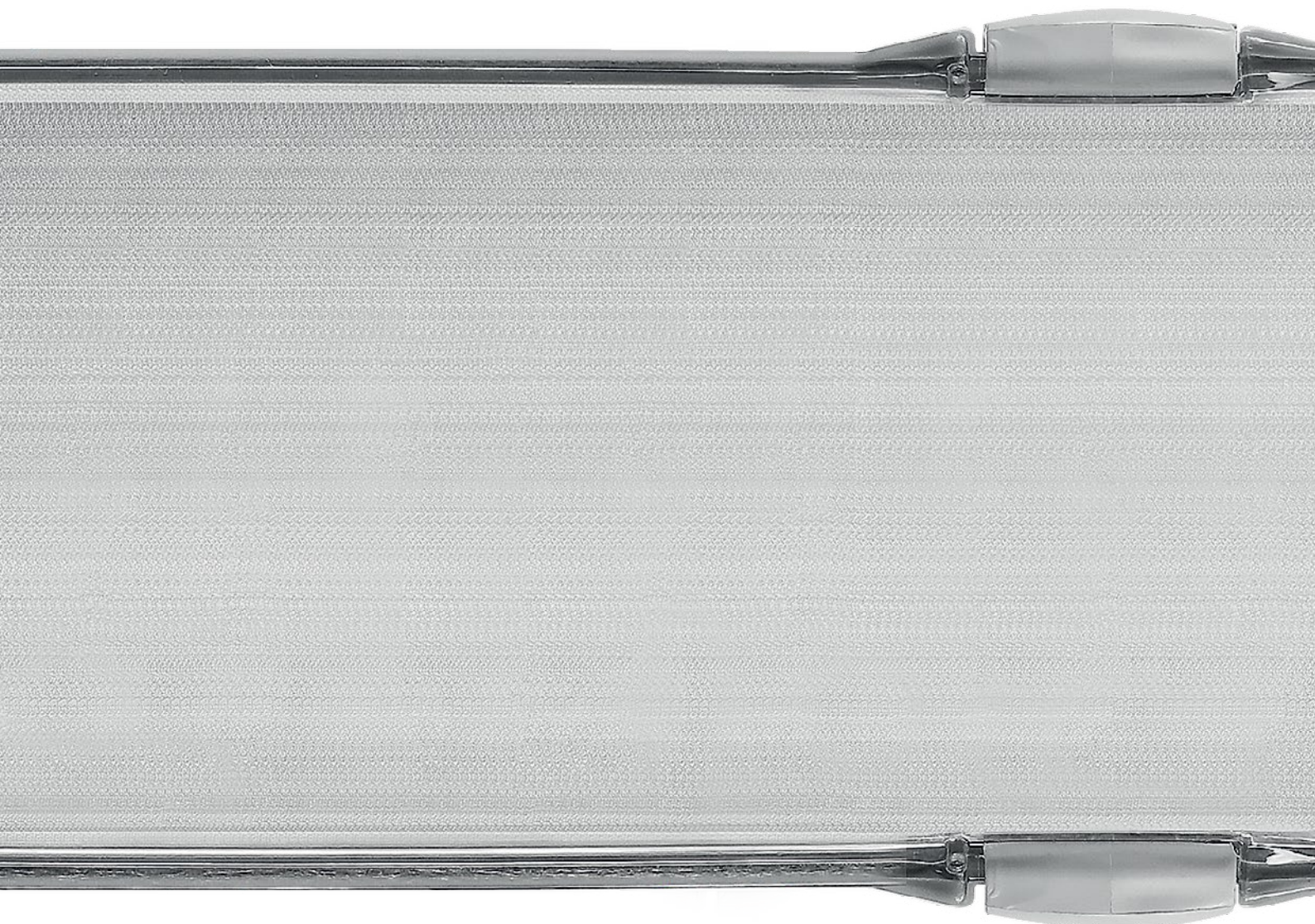
High efficiency in minimization of direct discomfort glare

Great visual comfort, preventing tired eyes and improved people productivity

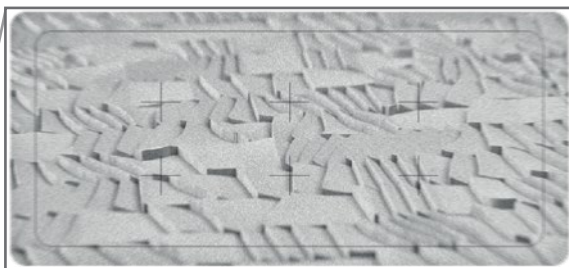
Balanced shadowing and uniform light

Maximum economic and energy efficiency

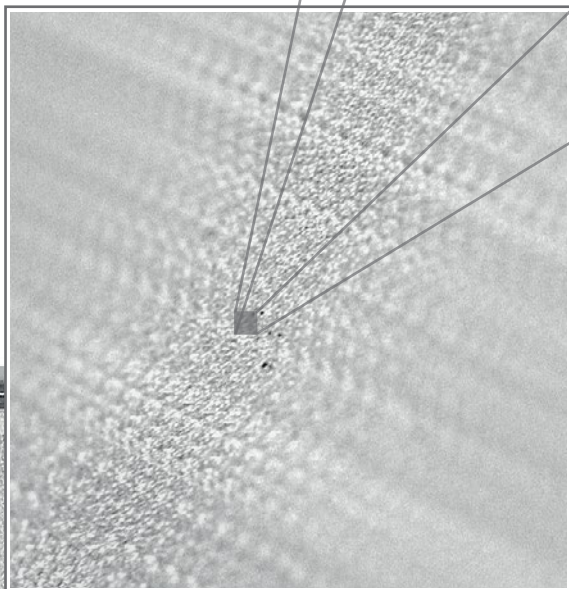
Dimmable luminaire with DALI controllable electronic ballast



High optical
efficiency **94%**



sophisticated
nanosstructure
with **extraordinary**
optical properties



APPLICATIONS

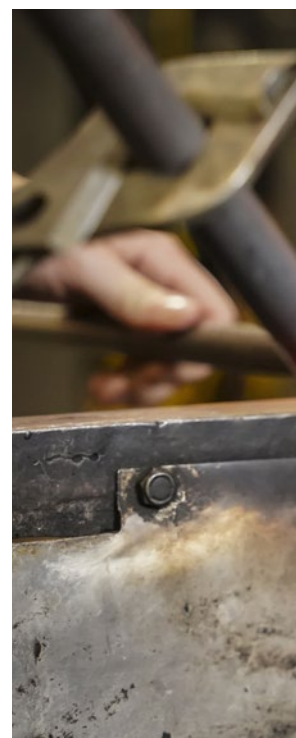


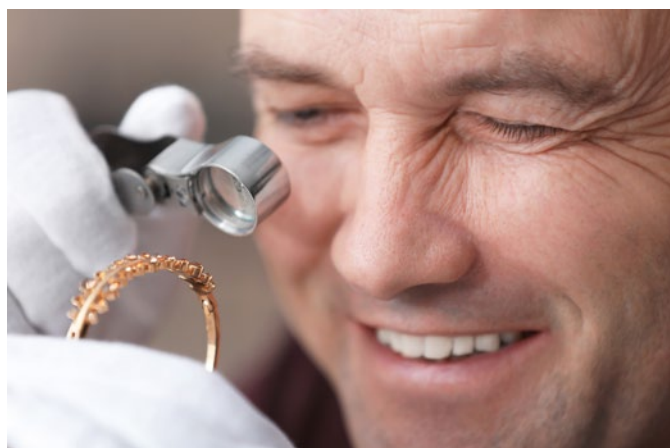
SUPER EFFICIENCY with
ENERGY SAVING solution:

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)

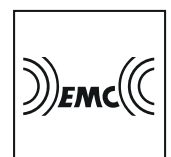
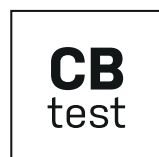
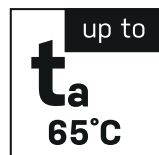
Temperature resistance up to -25 °C and +50 °C

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

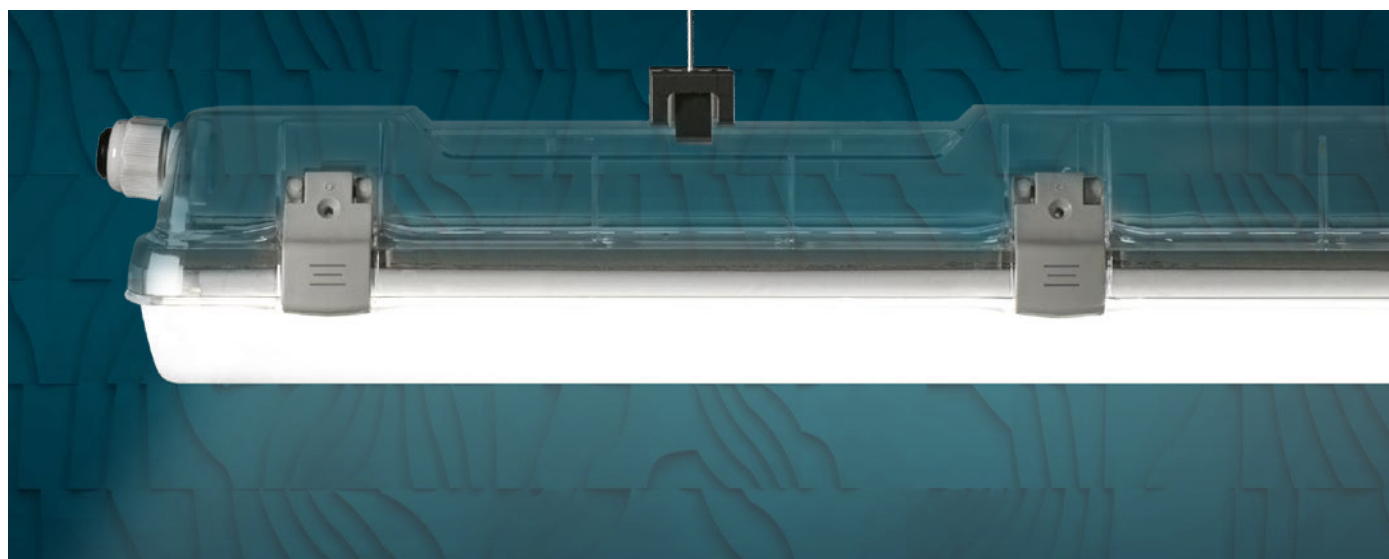
NANOOPTIC DIFFUSER has the power to control the light out of the luminaire and gives anti-glare NANOOPTICS shields.

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

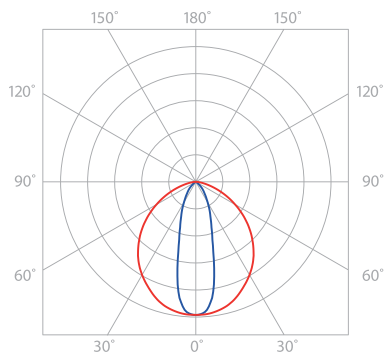
IP66/IP69 – New solution for improved IP66 protection (ventilation membrane on request, more clips)



TECHNICAL FEATURES

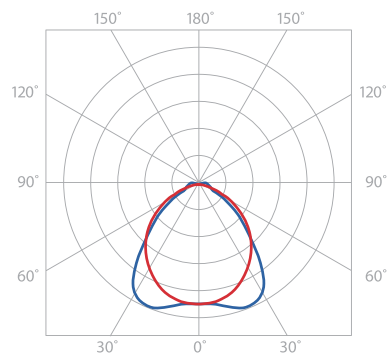
NANOTTICA NB

Narrow beam



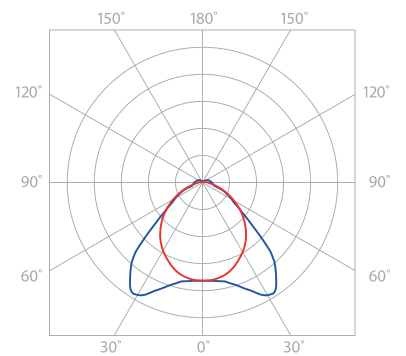
NANOTTICA

Medium beam



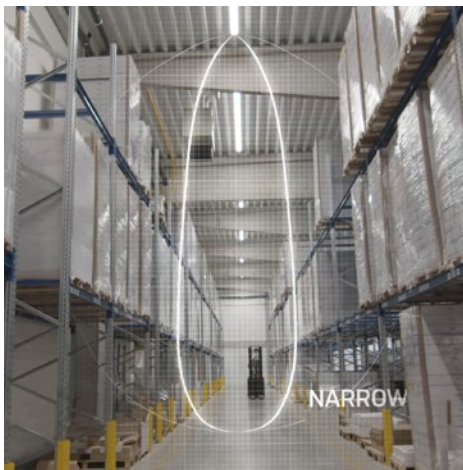
NANOTTICA WB

Wide beam



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

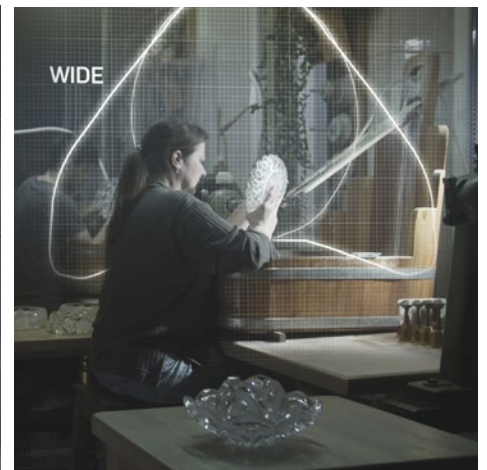
NARROW



MEDIUM



WIDE



TECHNICAL FEATURES

TRS PC/PC



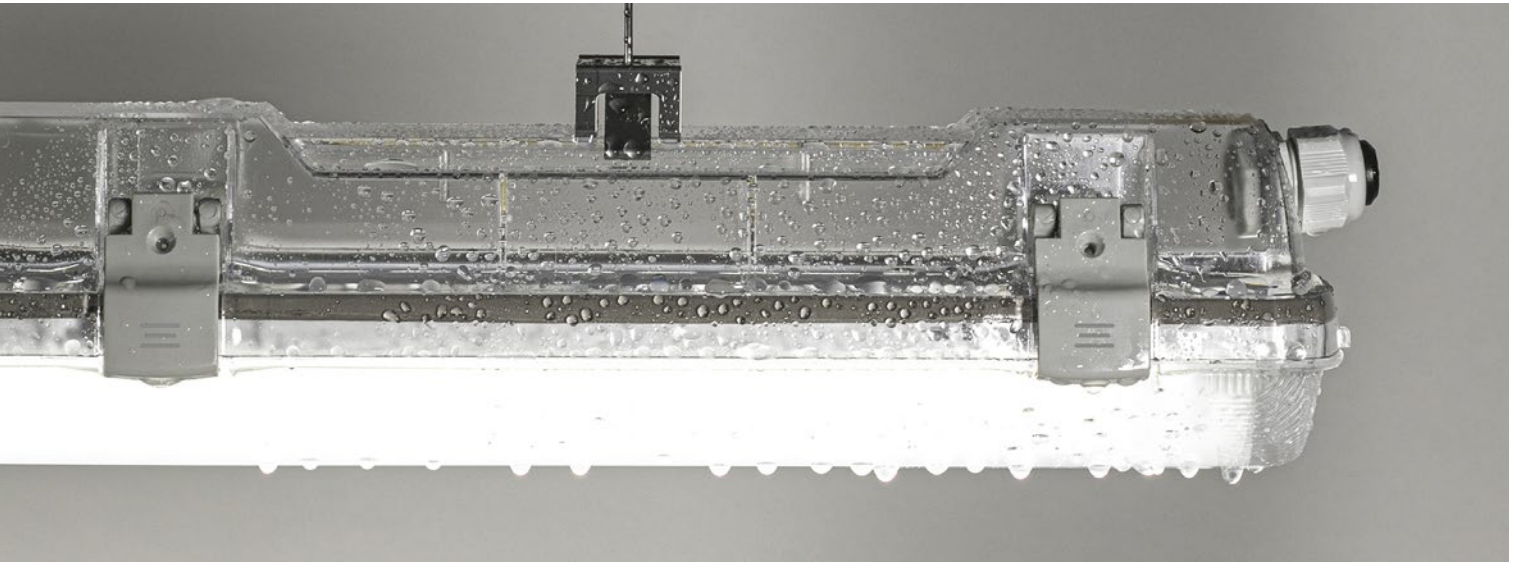
PC/PC



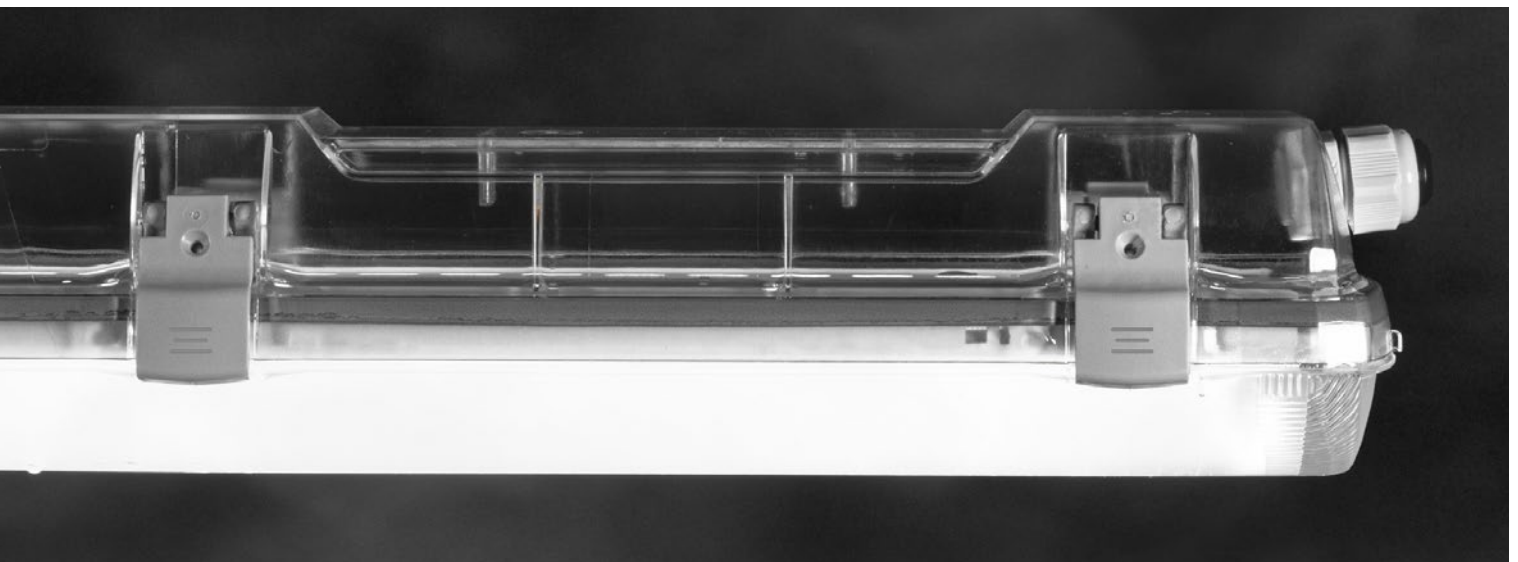
ABS/AC



TECHNICAL SPECIFICATIONS



IP66/IP69



IP66/IP69

TECHNICAL SPECIFICATIONS



MULTIFUNCTIONAL BRACKETS



TEMPERATURE RESISTANCE

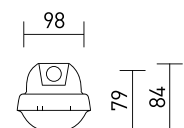
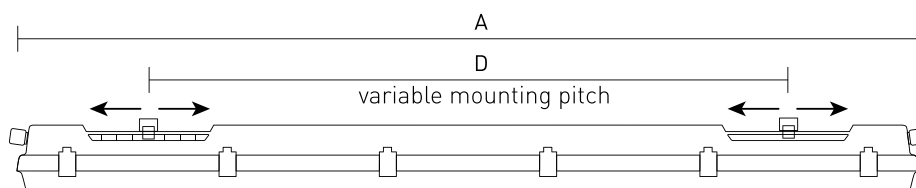
up to -25 °C and + 50 °C

-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	1330	1250	8	156	0,9	615	110 - 370	17,1 / 18,9
NANOTTICA 1.2ft ES TRS PC 1600/840	50	1620	1520	10	152	0,9	615	110 - 370	17,8 / 19,5
NANOTTICA 1.2ft ES TRS PC 2200/840	45	2230	2100	14	150	0,9	615	110 - 370	18,9 / 20,7
NANOTTICA 1.4ft ES TRS PC 2600/840	50	2630	2470	16	154	1,7	1175	700 - 960	17,3 / 19,3
NANOTTICA 1.4ft ES TRS PC 3200/840	50	3180	2990	20	150	1,7	1175	700 - 960	18,0 / 20,0
NANOTTICA 1.4ft ES TRS PC 4400/840	45	4450	4180	27	155	1,7	1175	700 - 960	19,1 / 21,1
NANOTTICA 1.4ft ES TRS PC 6400/840	45	6310	5930	38	156	1,7	1175	700 - 960	20,4 / 22,4
NANOTTICA 1.5ft ES TRS PC 3250/840	50	3290	3090	20	155	2,0	1455	970 - 1230	17,3 / 19,4
NANOTTICA 1.5ft ES TRS PC 4000/840	50	4050	3810	24	159	2,0	1455	970 - 1230	18,0 / 20,1
NANOTTICA 1.5ft ES TRS PC 5500/840	45	5560	5230	33	158	2,0	1455	970 - 1230	19,1 / 21,2
NANOTTICA 1.5ft ES TRS PC 8000/840	45	8020	7540	45	168	2,0	1455	970 - 1230	20,4 / 22,5

NANOTTICA ES

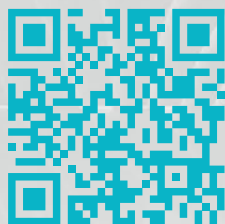
NANOTTICA 1.2ft ES PC 1300/840	50	1330	1250	8	156	0,9	615	110 - 370	19,1 / 20,1
NANOTTICA 1.2ft ES PC 1600/840	50	1620	1520	10	152	0,9	615	110 - 370	19,8 / 20,8
NANOTTICA 1.2ft ES PC 2200/840	45	2230	2100	14	150	0,9	615	110 - 370	20,9 / 21,9
NANOTTICA 1.4ft ES PC 2600/840	50	2630	2470	16	154	1,7	1175	700 - 960	19,3 / 20,4
NANOTTICA 1.4ft ES PC 3200/840	50	3180	2990	20	150	1,7	1175	700 - 960	20,0 / 21,1
NANOTTICA 1.4ft ES PC 4400/840	45	4450	4180	27	155	1,7	1175	700 - 960	21,1 / 22,2
NANOTTICA 1.4ft ES PC 6400/840	45	6310	5930	38	156	1,7	1175	700 - 960	22,4 / 23,5
NANOTTICA 1.5ft ES PC 3250/840	50	3290	3090	20	155	2,0	1455	970 - 1230	19,3 / 20,4
NANOTTICA 1.5ft ES PC 4000/840	50	4050	3810	24	159	2,0	1455	970 - 1230	20,0 / 21,2
NANOTTICA 1.5ft ES PC 5500/840	45	5560	5230	33	158	2,0	1455	970 - 1230	21,1 / 22,3
NANOTTICA 1.5ft ES PC 8000/840	45	8020	7540	45	168	2,0	1455	970 - 1230	22,4 / 23,6

NANOTTICA TRS

NANOTTICA 1.2ft TRS PC 1300/840	50	1320	1240	8	155	0,9	615	110 - 370	17,1 / 18,8
NANOTTICA 1.2ft TRS PC 1600/840	50	1580	1490	10	149	0,9	615	110 - 370	17,7 / 19,5
NANOTTICA 1.2ft TRS PC 2200/840	45	2200	2070	14	148	0,9	615	110 - 370	18,8 / 20,6
NANOTTICA 1.4ft TRS PC 2600/840	50	2580	2430	16	152	1,7	1175	700 - 960	17,2 / 19,2
NANOTTICA 1.4ft TRS PC 3200/840	50	3110	2920	20	146	1,7	1175	700 - 960	17,8 / 19,9
NANOTTICA 1.4ft TRS PC 4400/840	45	4350	4090	27	151	1,7	1175	700 - 960	19,0 / 21,0
NANOTTICA 1.4ft TRS PC 6400/840	45	6260	5880	38	155	1,7	1175	700 - 960	20,3 / 22,3
NANOTTICA 1.5ft TRS PC 3250/840	50	3240	3050	20	153	2,0	1455	970 - 1230	17,3 / 19,3
NANOTTICA 1.5ft TRS PC 4000/840	50	3880	3650	24	152	2,0	1455	970 - 1230	17,9 / 20,0
NANOTTICA 1.5ft TRS PC 5500/840	45	5420	5090	33	154	2,0	1455	970 - 1230	19,0 / 21,1
NANOTTICA 1.5ft TRS PC 8000/840	45	7740	7280	45	162	2,0	1455	970 - 1230	20,3 / 22,4

NANOTTICA

NANOTTICA 1.2ft TRS PC 1300/840	50	1320	1240	8	155	0,9	615	110 - 370	19,1 / 20,1
NANOTTICA 1.2ft TRS PC 1600/840	50	1580	1490	10	149	0,9	615	110 - 370	19,7 / 20,7
NANOTTICA 1.2ft TRS PC 2200/840	45	2200	2070	14	148	0,9	615	110 - 370	20,9 / 21,8
NANOTTICA 1.4ft TRS PC 2600/840	50	2580	2430	16	152	1,7	1175	700 - 960	19,2 / 20,3
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NANOTTICA 1.4ft TRS PC 4400/840	45	4350	4090	27	151	1,7	1175	700 - 960	21,0 / 22,1
NANOTTICA 1.4ft TRS PC 6400/840	45	6260	5880	38	155	1,7	1175	700 - 960	22,3 / 23,4
NANOTTICA 1.5ft TRS PC 3250/840	50	3240	3050	20	153	2,0	1455	970 - 1230	19,3 / 20,4
NANOTTICA 1.5ft TRS PC 4000/840	50	3880	3650	24	152	2,0	1455	970 - 1230	19,9 / 21,0
NANOTTICA 1.5ft TRS PC 5500/840	45	5420	5090	33	154	2,0	1455	970 - 1230	21,0 / 22,2
NANOTTICA 1.5ft TRS PC 8000/840	45	7740	7280	45	162	2,0	1455	970 - 1230	22,3 / 23,4



www.trevos.eu

TREVOS, a.s.

Nova Ves 34
Czech Republic

Phone: +420 481 363 319
Email: trevos@trevos.cz

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