

INNOVA

THE FUTURE
IN INDUSTRIAL
LED LIGHTING

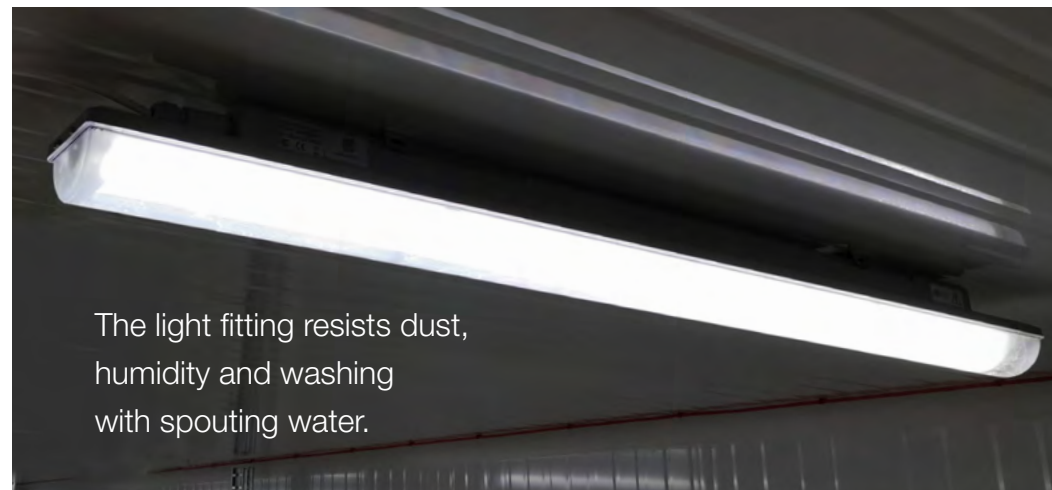


INNOVATIVE LIGHTING
SYSTEM SOLUTION

TREEVOS

INNOVA

**INDUSTRIAL, WAREHOUSE
AND AGRICULTURAL BUILDINGS,
SPORTS PREMISES, TRANSPORT
TERMINALS, PARKING LOTS
AND GARAGES, WORKSHOPS
AND LABORATORIES WITHOUT
EXPLOSION HAZARD.**



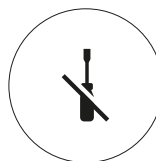
The light fitting resists dust,
humidity and washing
with spouting water.

Closed and non-dismountable
light fitting suitable for indoor
and outdoor spaces
(even without shelter).

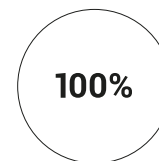


**THE BODY AND THE DIFFUSER ARE
MADE OF PC MATERIAL WHICH HAS
HIGH MECHANICAL RESISTANCE AGAINST
IMPACT AND DEFORMATION.**

**A CHEMICALLY RESISTANT VERSION
MADE OF ABS POLYMER IS AVAILABLE
ON REQUEST.**



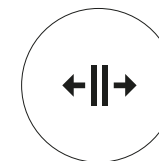
SIMPLE
INSTALLATION



100% QUALITY
CONTROL



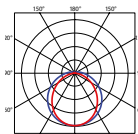
IP66
IP69



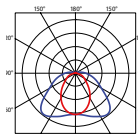
VARIABLE
MOUNTING PITCH

SPECIAL SOLUTION

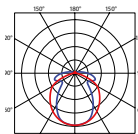
INNOVA PC INNOVA WB PC INNOVA NB PC	INNOVA ABS INNOVA WB ABS INNOVA NB ABS	INNOVA ABS RED	INNOVA ABS BLUE
industrial buildings warehouses sports premises transport terminals parking lots laboratories	farms stables production premises car wash units industrial buildings	cow barns	poultry farms
Chemically resistant			
Human centric lighting / Tunable white			



INNOVA
INNOVA ABS
4 - 8 m



INNOVA WB
INNOVA WB ABS
WIDE BEAM
2.5 - 5 m



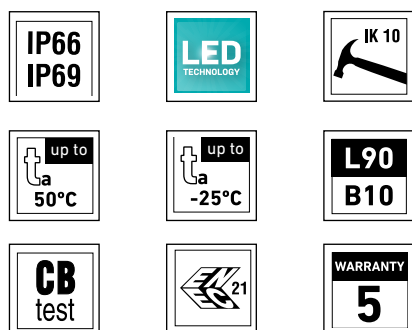
INNOVA NB
INNOVA NB ABS
NARROW BEAM
8 - 12 m



THE STRUCTURAL DESIGN OF THE LIGHT FITTING (IP69) ALLOWS EVEN PLACEMENT IN THE FOOD-PROCESSING INDUSTRY - HACCP.

A POSSIBILITY OF WASHING WITH SPLASHING HOT WATER UP TO 80 °C.

QUALITY AND ADVANTAGE



- Only top-quality materials sourced from within Europe
- Suitable for chemically aggressive environment and also for the food industry (HACCP certification)
- For indoor and outdoor installations even without a shelter

- Light fitting protection **IP66** and **IP69** (possibility of washing with splashing hot water up to 80 °C)
- High resistance to dust, water and impact of IK10
- Certification: **ENEC**, **CB**, **CE**, **ESČ**, **HACCP**, **DLG** (only INNOVA ABS)

- High temperature resistance in a range from $t_a = -25\text{ °C}$ to $t_a = 50\text{ °C}$
- Resistance to salty environment
- Optional arrangement of light fittings in line, without gaps

INNOVA



- Easy cleaning and maintenance without need to replace the light sources
- Eliminated risk of mechanical and electro static damage to LED chips
- Variable suspensions pitch (optional installation of light fitting even on an existing structure)
- Optional through-wiring



SUTABLE EQUIVALENT OF FLUORESCENT FITTING

INNOVA 1.4ft PC (ABS) 3200/840

= PRIMA 136 – 1 × 36W

INNOVA 1.4ft PC (ABS) 6400/840

= PRIMA 236 – 2 × 36W

INNOVA 1.5ft PC (ABS) 4000/840

= PRIMA 158 – 1 × 58W

INNOVA 1.5ft PC (ABS) 8000/840

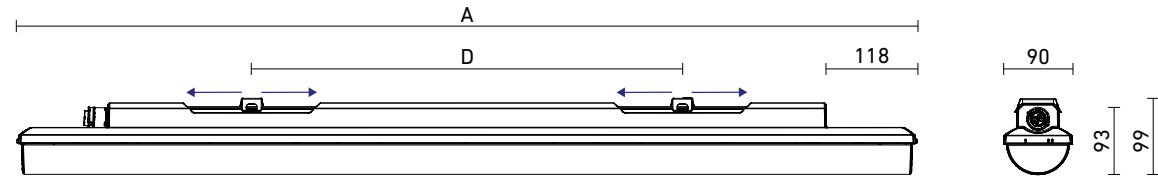
= PRIMA 258 – 2 × 58W



INNOVA ABS

Has successfully completed an ammonia resistance and cleaning distance test (safe distance 15 cm) performed by the German Agricultural Society (DLG). Innova ABS is perfectly suitable for agricultural premises with animals.

TECHNICAL SPECIFICATIONS



- Maximum light fitting efficiency: **142 lm/W**
- **150 lm/W** (and more) versions available on request
- **CRI > 80: 4000 K** - standard
- CRI > 80: 3000 K, 5000 K, 6500 K - on request
- CRI > 90: 3000 K, 4000 K - on request

- **Diffuser:**

- translucent PC
 - transparent PC with Fresnel lenses (high mechanical resistance, UV stability)
 - translucent AC (only INNOVA ABS)
 - transparent AC with Fresnel lenses (only INNOVA ABS)

- **Body:** grey PC or ABS (both high mechanical resistance, UV stability)

- Ventilation membrane in the body to prevent condensation
- Optional constant luminous flux (CLO) in DALI version
- Electric equipment: LED modules, fixed output driver or DALI driver
- The package includes: stainless steel hooks and brackets
- Fully automatic 100% control of functionality and tightness (leak test) during production



QUICK AND SIMPLE INSTALLATION

Connectors with 3, 5, 7 poles, wire section 1.5 or 2.5 mm²



STUCCHI 37xx



STUCCHI 38xx

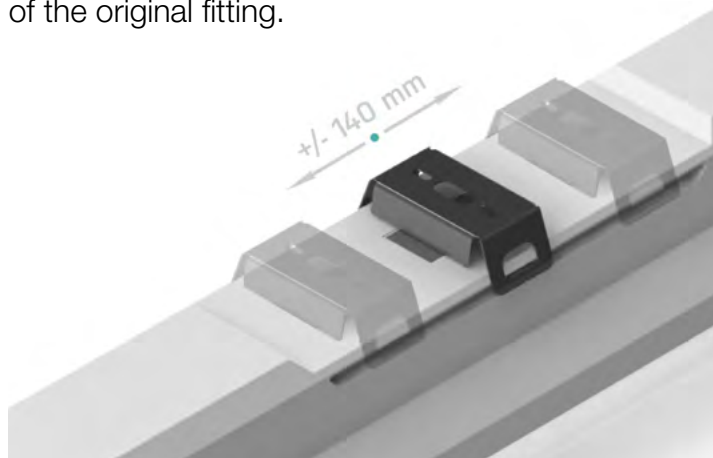


DL 06

Interconnection
easy, fast and efficient mounting



Variable installation pitch.
Simple substitution/replacement
of the original fitting.



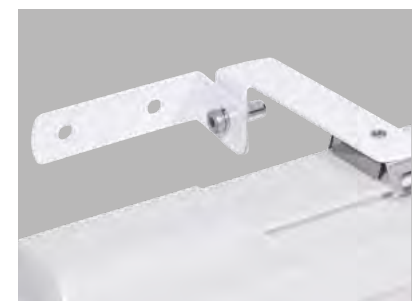
directly to a ceiling or a wall



suspension with the use
of stainless hooks



attachment with the use
of side hangers





INNOVA ABS

standard livestock farming

- resistance against ammonia in the air is among the essential attributes of light fixtures designated for farms where live animals are bred (e.g. cow barns, pig and poultry farms and stables).



INNOVA ABS BLUE

calming down poultry

- LED module in blue spectrum 450 nm
- stimulates growth and sexual development of poultry
- blue light has stress-relieving properties for hens. If hens are placed in a room with blue light, they perceive the room as being dark
- improves feed conversion rate
- 2-in-1 solution - standard 4000 K LED + blue light in 1 luminaire = economic solution



INNOVA ABS RED

efficient production

- LED module in red spectrum 625 nm
- does not disturb the sleep cycles of cows and workers can do all usual tasks including milking
- optimal use of red light may increase milk production by 6-10 %
- 2-in-1 solution - standard 4000 K LED + red light in 1 luminaire = economic solution

TUNABLE WHITE

industry, healthcare, office, school, hospitality, hotel, restaurant

- a module that boosts circadian rhythms (body temperature, blood pressure, alertness, attention, digestive, immune system activity)

- possibility to adjust correlated colour temperature (CCT) from warm to cool white 2700-6500 K
- dimming function (Lighting Interface DALI)

INDUSTRY

- daylight simulation / night shifts
- increase concentration and efficiency



HEALTHCARE, OFFICE, SCHOOLS

- daylight simulation
- increase awareness and learning



HOSPITALITY, HOTELS, RESTAURANTS

- mainly mood and scene setting
- create atmosphere and cosiness



INNOVA

INNOVA ABS

for areas with high ceilings 4 to 8 m

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]
INNOVA 1.4ft PC (ABS) 2600/840	50	2600	2470 (2340)	18	137 (130)	1,5	1175	420 - 700
INNOVA 1.4ft PC (ABS) 3200/840	50	3200	3050 (2890)	22	139 (131)	1,5	1175	420 - 700
INNOVA 1.4ft PC (ABS) 4400/840	45	4400	4180 (3960)	30	139 (132)	1,5	1175	420 - 700
INNOVA 1.4ft PC (ABS) 6400/840	45	6400	6030 (5710)	43	140 (133)	1,5	1175	420 - 700
INNOVA 1.4ft PC (ABS) 8800/840	40	8800	8110 (7860)	58	140 (136)	1,6	1175	420 - 700
INNOVA 1.5ft PC (ABS) 3250/840	50	3250	3000 (2840)	22	136 (129)	1,8	1455	700 - 980
INNOVA 1.5ft PC (ABS) 4000/840	50	4000	3770 (3570)	27	140 (132)	1,8	1455	700 - 980
INNOVA 1.5ft PC (ABS) 5500/840	45	5500	5270 (4990)	37	142 (135)	1,8	1455	700 - 980
INNOVA 1.5ft PC (ABS) 8000/840	45	8000	7570 (7170)	54	140 (133)	1,8	1455	700 - 980
INNOVA 1.5ft PC (ABS) 11000/840	40	11000	9950 (9620)	71	140(135)	1,9	1455	700 - 980

INNOVA NB

INNOVA NB ABS

for areas with high ceilings 8 to 12 m

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]
INNOVA 1.4ft NB PC (ABS) 4400/840	45	4400	3850	30	128	1,5	1175	420 - 700
INNOVA 1.4ft NB PC (ABS) 6400/840	45	6400	5540	43	129	1,5	1175	420 - 700
INNOVA 1.5ft NB PC (ABS) 5500/840	45	5500	4850	37	131	1,8	1455	700 - 980
INNOVA 1.5ft NB PC (ABS) 8000/840	45	8000	6960	54	129	1,8	1455	700 - 980

INNOVA WB

INNOVA WB ABS

for areas with high ceilings 2,5 to 5 m

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]
INNOVA 1.4ft WB PC (ABS) 2600/840	50	2600	2270	18	126	1,5	1175	420 - 700
INNOVA 1.4ft WB PC (ABS) 3200/840	50	3200	2810	22	128	1,5	1175	420 - 700
INNOVA 1.4ft WB PC (ABS) 4400/840	45	4400	3850	30	128	1,5	1175	420 - 700
INNOVA 1.4ft WB PC (ABS) 6400/840	45	6400	5540	43	129	1,5	1175	420 - 700
INNOVA 1.5ft WB PC (ABS) 3250/840	50	3250	2750	22	125	1,8	1455	700 - 980
INNOVA 1.5ft WB PC (ABS) 4000/840	50	4000	3470	27	129	1,8	1455	700 - 980
INNOVA 1.5ft WB PC (ABS) 5500/840	45	5500	4850	37	131	1,8	1455	700 - 980
INNOVA 1.5ft WB PC (ABS) 8000/840	45	8000	6960	54	129	1,8	1455	700 - 980

THE COST OF THE INSTALLATION OF **120 PCS LUMINAIRES**

PARAMETERS	STANDARD CONNECTION	INNOVA	ADVANTAGES AND BENEFITS
ASSEMBLY TO:	Terminal block	Connector	VERY EASY ASSEMBLY
WHO CONNECTS THE LIGHTS?	Electrician	Assembler	NO NEED OF QUALIFICATIONS
WHAT IS THE FEE?	25 – 55 € per hour	17 – 30 € per hour	8 – 25 € SAVED
TIME EXPENDITURE	60 hours	30 hours	50 % TIME SAVED
COST OF THE LIGHTS ASSEMBLY	1 500 – 3 300 €	510 – 900 €	990 – 2 400 € SAVED 66 – 72,8 % COST SAVED

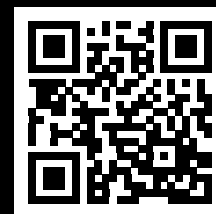
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