

# FUTURA

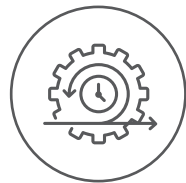
INTELLIGENT COOLING



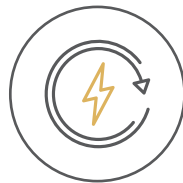
**Polestar**LED  
by Nordic Eco Energy

Looking for a light fixture that withstands challenging conditions and high temperatures in industrial production halls?

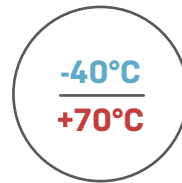
Featuring an innovative intelligent cooling system, **FUTURA** is a unique IP66-rated moisture-proof luminaire with an in-built aluminium sink for an improved thermal performance. The highly functional design translates into:



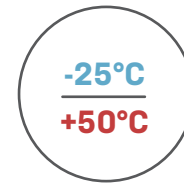
High efficiency



Long service life



FUTURA MAX



FUTURA

Cooling system ○



# WHY?

LED components and drivers create a considerable amount of heat. If not dissipated properly, this heat commonly results in a decreased lumen output, shorter product life and worsened light quality.

**As a result futura provides:**

- outshines the competition due to its unique design
- boasts exceptional reliability and durability
  - with a service life of 50,000 hours (L90/B10)
- is IK10 and IP66-rated
- withstands ambient temperatures of up to +70 °C (FUTURA MAX)
- is customizable to suit the specific needs of every client
- is low-maintenance and user-friendly

LED components

Polycarbonate body



Polyamide  
with fibre glass clips

translucent  
polycarbonate

# BENEFITS:

Many different versions for a range of applications

TYPE	CHARACTER		MATERIAL BODY/ MATERIAL DIFFUSER
<b>FUTURA</b>	Basic version with an efficacy of up to 144 lm/W	-25°C up to 50°C	PC AI / PC
<b>FUTURA ABS</b>	Ammonia and alkali resistance, suitable for agriculture	-25°C up to 50°C	ABS AI / AC
<b>FUTURA ES</b>	Energy saver, efficacy of up to 157 lm/W	-25°C up to 50°C	PC AI / PC
<b>FUTURA ES ABS</b>	Energy saver with chemical resistance	-25°C up to 50°C	ABS AI / AC
<b>FUTURA HE</b>	Sulfur resistance, perfect for rubber industry	-25°C up to 50°C	PC AI / PC
<b>FUTURA HE ABS</b>	Sulfur, ammonia and alkali resistance	-25°C up to 50°C	ABS AI / AC
<b>FUTURA MAX</b>	Tolerates extreme temperatures	-40°C up to 70°C	PC AI / PC
<b>FUTURA NB</b>	A great choice for spaces with 10 to 15-meter high ceilings such as warehouses	-25°C up to 40°C	PC AI / PC
<b>FUTURA SENSOR</b>	Features a motion sensor + optional DALI dimming	-25°C up to 50°C	PC AI / PC
<b>FUTURA VP</b>	Excellent for covered outdoor spaces	-25°C up to 50°C	PC AI / PC





# APPLICATIONS

**HEAVY INDUSTRY,  
CHEMICAL INDUSTRY,  
PHARMACEUTICAL,  
PRODUCTION BAYS,  
FOOD PRODUCTION**





**PETROCHEMICALS,  
RUBBER INDUSTRY,  
AUTOMOTIVE,  
FARMING,  
DISTRIBUTION AND WAREHOUSES**





# TECHNICAL FEATURES:

Exceptional efficacy of up to 173 lm/W

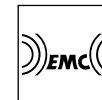
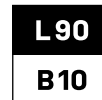
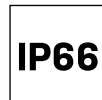
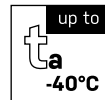
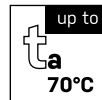
Service life of 50,000 hours (L90)

Only top-quality, EU-sourced materials with a UV-stability guarantee used

High level of ingress protection (IP66)

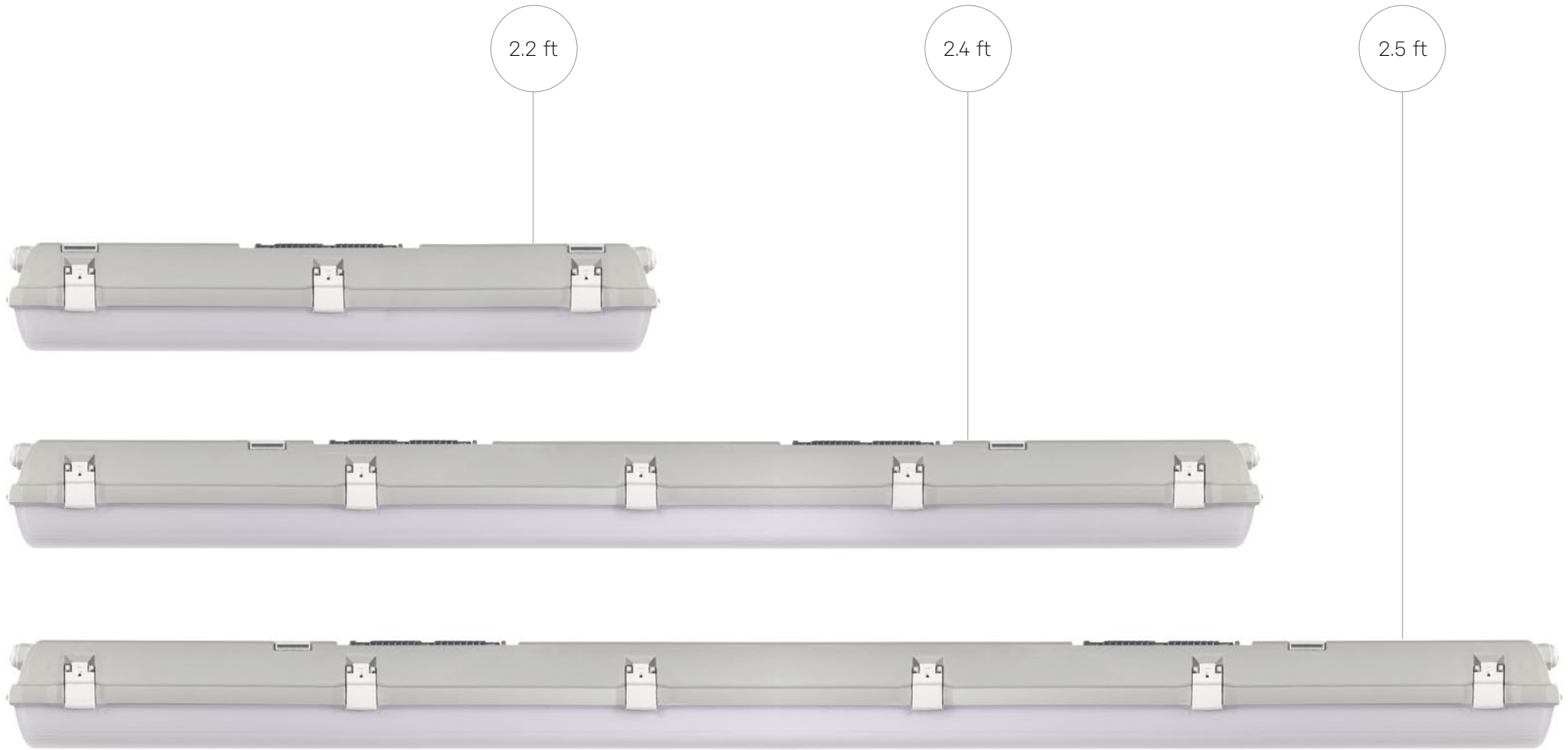
Impact resistance of IK10

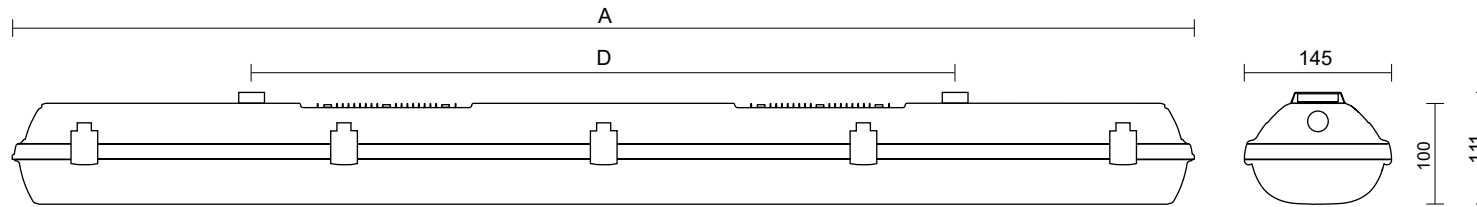
Stainless steel clips available on request



**IP66**







## FUTURA

	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]
FUTURA 2.2ft PC Al 2600/840	50	2630	2470	16	154	1,5	612	475
FUTURA 2.2ft PC Al 3200/840	50	3110	2920	19	154	1,5	612	475
FUTURA 2.2ft PC Al 4400/840	45	4390	4130	27	153	1,7	612	475
FUTURA 2.4ft PC Al 5200/840	50	5150	4840	31	156	2,9	1172	700
FUTURA 2.4ft PC Al 6400/840	50	6260	5880	37	159	2,9	1172	700
FUTURA 2.4ft PC Al 8800/840	45	8710	8190	51	161	3,0	1172	700
FUTURA 2.4ft PC Al 12800/840	35	14000	13160	84	157	3,0	1172	700
FUTURA 2.5ft PC Al 6500/840	50	6380	6000	38	158	3,8	1452	940
FUTURA 2.5ft PC Al 8000/840	50	7750	7290	46	158	3,9	1452	940
FUTURA 2.5ft PC Al 11000/840	45	12050	11330	71	160	3,9	1452	940
FUTURA 2.5ft PC Al 16000/840	35	17550	16500	104	159	3,9	1452	940

## FUTURA NB

FUTURA 2.2ft NB PC Al 2600/840	40	8710	7320	51	144	3,3	1172	700
FUTURA 2.2ft NB PC Al 3200/840	30	14000	11760	84	140	3,3	1172	700
FUTURA 2.2ft NB PC Al 4400/840	40	12050	10120	71	143	3,9	1452	940
FUTURA 2.4ft NB PC Al 5200/840	30	17550	14740	104	142	3,9	1452	940

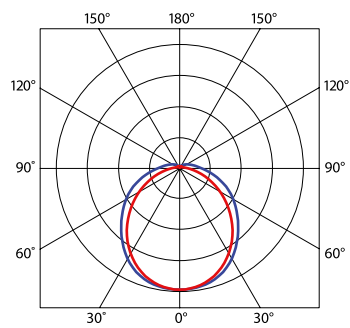
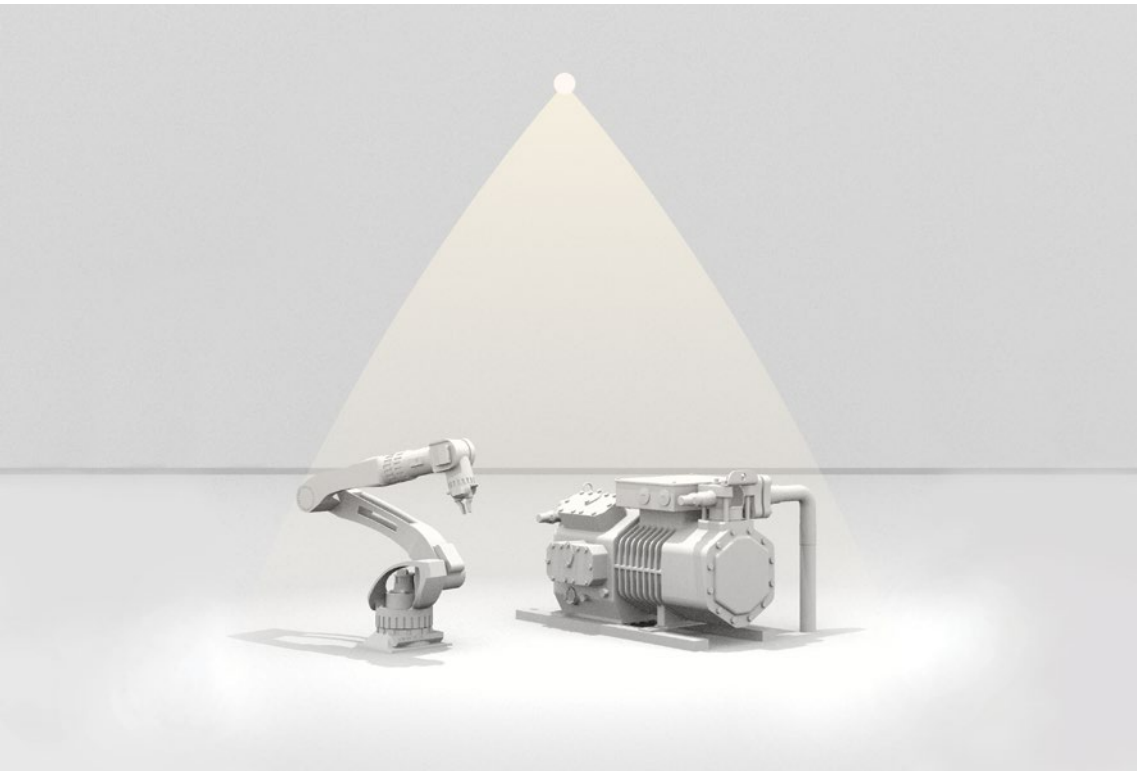
## FUTURA ES

FUTURA 2.2ft ES PC Al 2600/840	50	2630	2470	16	154	1,5	612	475
FUTURA 2.2ft ES PC Al 3200/840	50	3180	2990	19	157	1,5	612	475
FUTURA 2.2ft ES PC Al 4400/840	45	4450	4180	27	155	1,7	612	475
FUTURA 2.4ft ES PC Al 5200/840	50	5260	4940	31	159	2,9	1172	700
FUTURA 2.4ft ES PC Al 6400/840	50	6310	5930	37	160	2,9	1172	700
FUTURA 2.4ft ES PC Al 8800/840	45	8980	8440	51	165	3,0	1172	700
FUTURA 2.4ft ES PC Al 12800/840	35	14280	13420	84	160	3,0	1172	700
FUTURA 2.5ft ES PC Al 6500/840	50	6700	6300	38	166	3,8	1452	940
FUTURA 2.5ft ES PC Al 8000/840	50	8100	7610	46	165	3,9	1452	940
FUTURA 2.5ft ES PC Al 11000/840	45	12750	11990	71	169	3,9	1452	940
FUTURA 2.5ft ES PC Al 16000/840	35	17860	16790	104	161	3,9	1452	940



# FUTURA

ceiling height  
4,5 - 8 m



# FUTURA NB

ceiling height  
10 - 15 m

