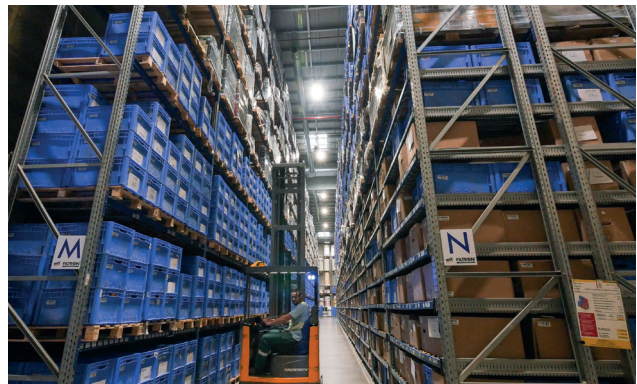


Industrial LED luminaire

# PROMETHEUS ECO



Energy cost savings up to 90%

Wattage 100 W to 240 W

Scalable upon request

Dimmable

Motion detector compatible

Reliability

Manufactured in Poland



# SOLUTIONS FOR:

production halls,  
high storage warehouses

## Maximum savings

- High luminous efficiency thanks to cutting-edge LED technology
- Power range from 100 W to 240 W, for the most cost-effective lighting system design for various hall layouts
- Dimmable from 10% to 100%
- Individual optics configuration
- Compatible with advanced and reliable light management system.

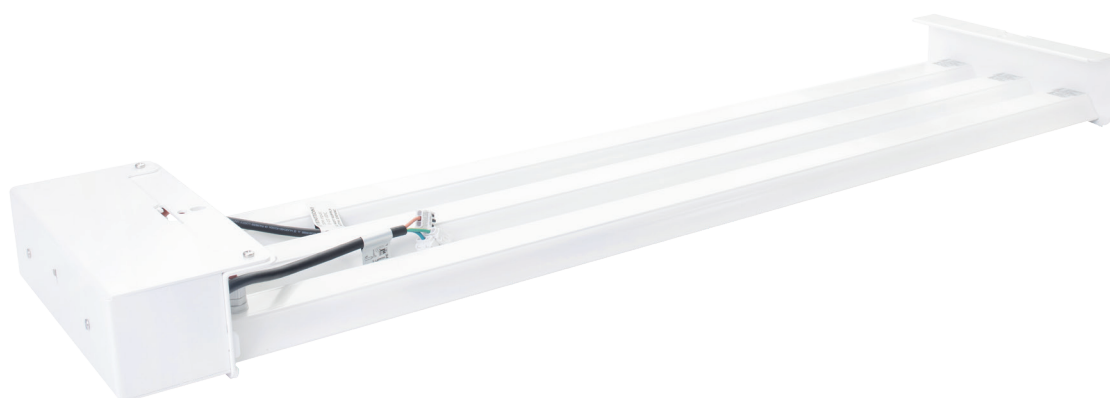
## User satisfaction and safety

- Manufactured in Poland
- Long lifetime guaranteed by high-quality LEDs and design for maximum LED cooling
- 5-year warranty
- High colour rendering index  $R_a > 80$
- High ambient temperatures and difficult environment operation is guaranteed. IP66 for power supply systems and IP55 for optical systems
- Compliance with HACCP standards: glass free, unbreakable luminaire

- Power supplies from a renowned manufacturer with high efficiency and high power factor, protected against overheating, overload and short circuit. Output of power supplies in SELV standard (Separated Extra-Low Voltage)
- Maintaining a constant luminaire flux over a wide range of supply voltage, without stroboscopic effect.

## Convenient installation and maintenance

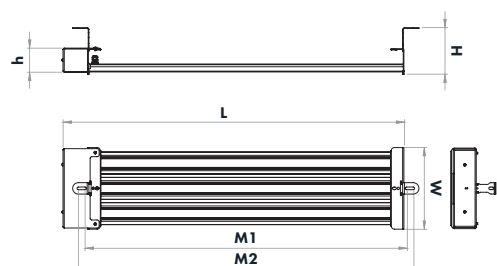
- Professional technical support
- Fast and easy installation
- Easy maintenance of indoor luminaires
- Easy replacement of modular components (LED bars and power junction boxes)
- Longer maintenance and cleaning periods.



## Technical parameters

Light Source	<b>LEDs</b>	IP rating	<b>IP66 / IP55</b>
LED lifetime	<b>L70 &gt; 115 000 h</b> (ta = 25°C)	Electrical insulation class	<b>class I</b>
Correlated colour temperature	<b>4000 K</b> (other upon request)	Power factor	<b>cos Φ &gt; 0,95</b>
Colour rendering index	<b>Ra &gt; 80</b>	Power supply efficiency	<b>η &gt; 90%</b>
Supply voltage	<b>198 – 264 VAC</b>	Brightness control	<b>1-10 V, PWM 0-10 V, DALI (optional)</b>
Operating temperature (ta)	<b>od -25°C do +55°C</b>		

## Dimensions and weight



	h	H	D	L	W	weight
<b>Luminaire type</b>	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
PT3E100-S2-...	80	145	1085	1080	258	3,6
PT3E150-S3-...	80	145	1085	1080	258	4,3
PT3E200-S4-...	80	145	1085	1080	418	5,5
PT3E240-S5-...	80	145	1085	1080	418	6,2

# Industrial LED luminaire

# PROMETHEUS ECO

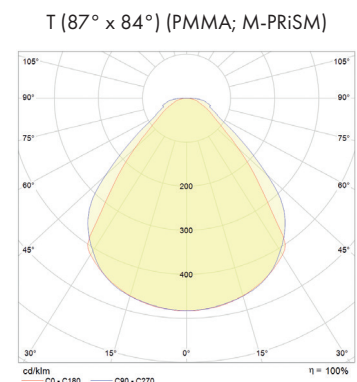
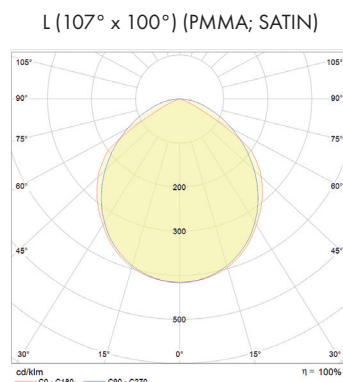
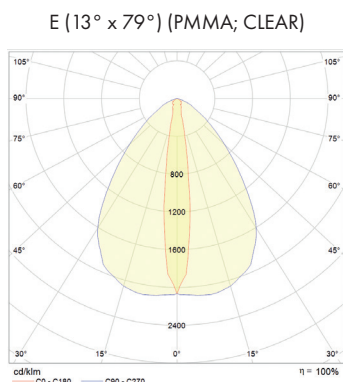
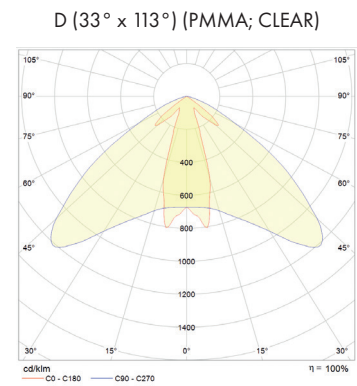
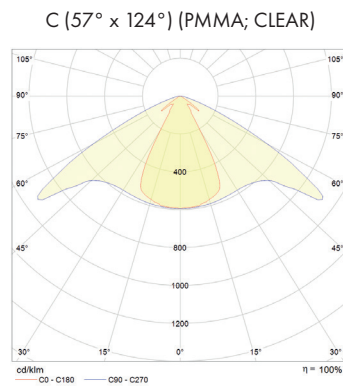
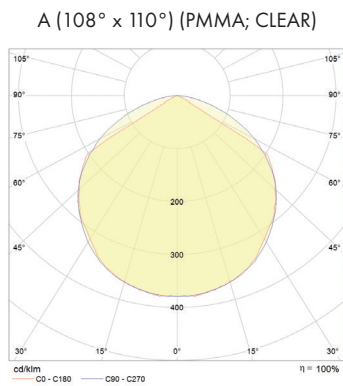
## Selection of luminaire power

luminaire version	2 LED bars PT3E100-S2-48-A200 98 W 16 900 lm	3 LED bars PT3E150-S3-48-A300 157 W 26 900 lm	4 LED bars PT3E200-S4-48-A400 205 W 35 000 lm	5 LED bars PT3E240-S5-48-A500 245 W 42 250 lm
equivalent of	3x58W T8 tube	MH 250 W	MH 250 W	MH 250 W lub 400W
application	main lighting in lowbay halls	main lighting in midbay halls	main lighting in highbay halls	main lighting in highbay halls

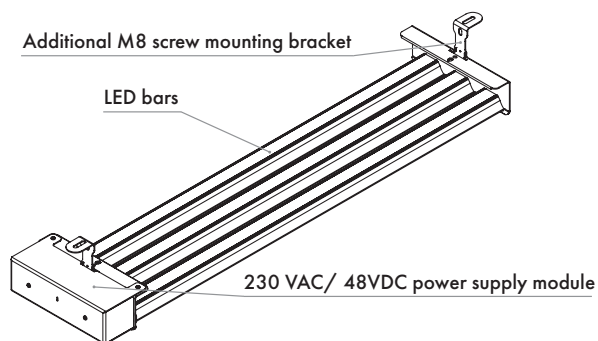
The power values are typical for a control voltage of DIM equal to 10V.  
The luminaires' power ratings and exemplary applications are indicative and relate to open halls.  
Specific types of luminaires are selected on the basis of the lighting design.

## Light distribution

Using combinations of different optical systems in one luminaire allows to meet design requirements of the user.  
Light distribution curves for optical systems A, C, D, E, L, T:



## Fast and easy installation



## Prometheus Eco luminaire series coding

PT3EPSpLN-TC-OKOM

**PT3E** product code – Prometheus Eco luminaire

**PSP** power supply output [W]:  
100, 150, 200, 240

**b** power supply control  
" - " – 1-10 V  
Z – 0-10 V  
D – DALI

**L** LED bars length:  
K – 540 mm  
S – 1000 mm

**N** total number of LED bars: 2, 3, 4, 5

**T** correlated colour temperature [K]  
3 – 3000 K  
4 – 4000 K  
5 – 5000 K  
6 – 6500 K

**C** colour rendering index [CRI]  
8 – Ra > 80

**O** optics type 1 / optics type 2:  
A – transparent 108° x 110°  
C – transparent 57° x 124°  
D – transparent 33° x 113°  
E – transparent 13° x 79°  
L – satin 107° x 100°  
S – silicone 102° x 103°  
T – mikroprismatic PMMA 87° x 84°  
V – mikroprismatic PC (IK08) 87° x 90°

**K/M** number of type 1 / type 2 bars: 1, 2, 3, 4, 5

### Coding example

#### PT3E150-S3-48-C2E1

**PT3E** PROMETHEUS luminaire version: PT3 Eco  
**150** power supply output: 150 W  
**S** length of LED bars: 1000 mm  
**3** total number of bars in the luminaire: 3  
**4** correlated colour temperature: 4000 K  
**8** colour rendering index: Ra > 80  
**C** optics type 1: C – transparent 57° x 124°  
**2** number of type 1 bars: 2  
**E** optics type 2: E – transparent 13° x 79°  
**1** number of type 2 bars: 1

Technical specification is subject to change  
231125V02

Industrial LED luminaire

# PROMETHEUS ECO

 MADE IN POLAND CE	PROMETHEUS ECO PT3E 230 VAC	 100/150/ 200/240	 L = 54/100		 4000 K	 PHOTO BIOLOGY
	 115.000 h	 3.6 - 6.2 kg	 IP55 IP65	 80		
	 .. 170 lm/W	 NS/1-10 V/ DALI	 IK04 IK08	 -25° .. +55° C		

## Company details

TheusLED Sp. z o.o.

ul. Wałowska 19A, 02-451 Warszawa, Poland

## Sales and Production

ul. Kwiatkowskiego 4, 52-407 Wrocław, Poland

## E-mail

office@theusled.com

## Telephone

+48 71 757 50 67

