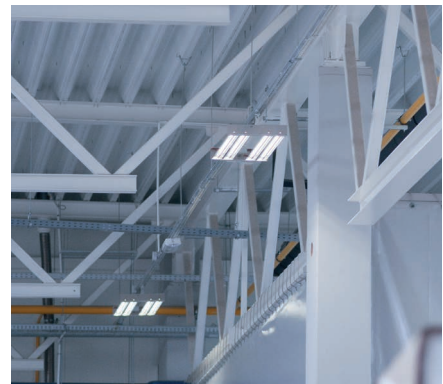


Industrial LED fixture

# PROMETHEUS



Up to 90% power efficiency

Wattage 25 W to 320 W

Scalable upon request

Dimmable

Motion detector compatible

Reliability

Manufactured in EU



# SOLUTIONS FOR:

production halls,  
highbay warehouses,  
workstations and quality control

## Maximum savings

- High fittings light output (up to 190lm/W) thanks to cutting-edge LED technology – report LM79
- Power range from 25 W to 320 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 automation systems.

## Satisfaction and safety of users

- Manufactured in EU
- Long lifetime guaranteed by high-quality LEDs
- 7 years warranty
- High color rendering index  $Ra > 80$
- High ambient temperatures and difficult environment operation is guaranteed. IP66 for power supply systems and IP55 for optical systems
- Hygienic attestation, compliance with HACCP standards: glass free, unbreakable fixture
- Built-in protections for LED modules: current, temperature, voltage, ESD
- Top-quality components of renowned manufacturers
- Constant flux with no stroboscopic effect.

## Convenient installation and maintenance

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

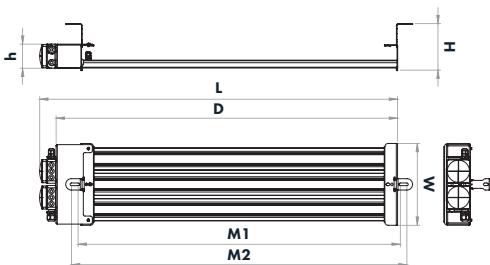




## Specifications

Light Source	<b>LED</b>	Ingress protection	<b>IP66 / IP55</b>
LED lifetime	<b>L70 &gt; 260 000 h</b> (ta = 25°C)	Appliance class	<b>class I or class II</b>
Color Temperature	<b>4000 K</b> (other options upon request)	Power factor	<b>cos Φ &gt; 0,95</b>
Color rendering index	<b>Ra &gt; 80</b> (higher on request)	Power supply efficiency	<b>η &gt; 90%</b>
Voltage	<b>90 – 264 VAC, 127 - 431 VDC</b>	Brightness control	<b>1-10 V, PWM, potentiometer, 0-10 V, DALI</b> (optional)
Operating temperature (ta)	<b>from -35°C to +55°C</b> <b>from -35°C to +70°C</b> (optional)		

## Dimensions and weight



	h	H	D	L	W	weight
<b>Fixture type</b>	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
PT3-025-K1-...	129	195	570	570	90	1,4
PT3-060-S1-...	129	195	1025	1025	90	1,7
PT3-100-S2-...	80	145	1085	1130	258	3,6
PT3-150-S3-...	80	145	1085	1130	258	4,3
PT3-185-S4-...	80	145	1085	1130	418	5,5
PT3-240-S5-...	80	145	1085	1130	418	6,2
PT3-320-S6-...	80	145	1110	1155	498	7,3

# PROMETHEUS

## Fixture power table

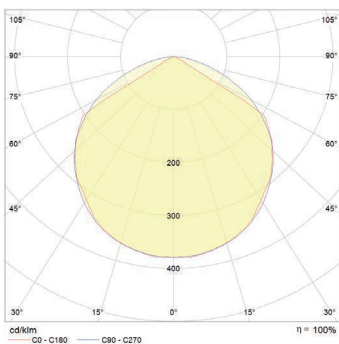
fixture version	1 LED module	2 LED modules	3 LED modules	4 LED modules	5 LED modules	6 LED modules
S – 1000 mm	PT3H060-S1-48-A100 53 W 9 750 lm	PT3H100-S2-48-A200 93 W 17 600 lm	PT3H150-S3-48-A300 148 W 28 100 lm	PT3H185-S4-48-A400 179 W 34 450 lm	PT3H240-S5-48-A500 231 W 44 000 lm	PT3H320-S6-48-A600 306 W 58 500 lm
equivalent of	fixture T8 2x58 W	fixture T8 3x58 W	MH fixture 250 W	two MH fixtures 250 W	two MH fixtures 250 W lub 400 W	two MH fixtures 400 W
use	quality control workstations production line lighting	main lighting in lowbay halls	main lighting in midbay halls	main lighting in highbay halls	main lighting in highbay halls	main lighting in extra highbay halls

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.

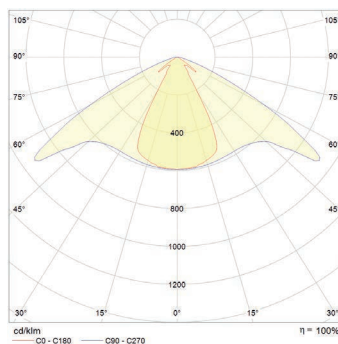
## Light distribution

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

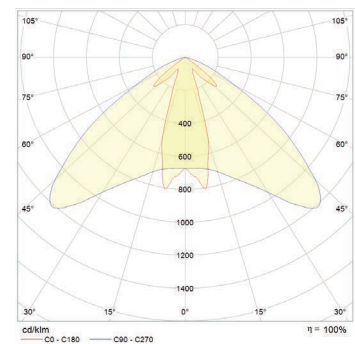
A (108° x 110°) (PMMA; CLEAR)



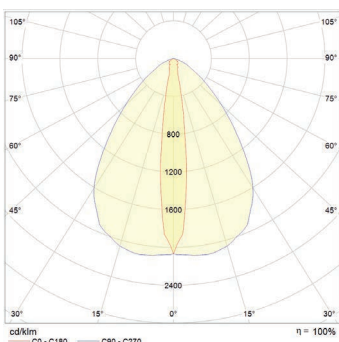
C (57° x 124°) (PMMA; CLEAR)



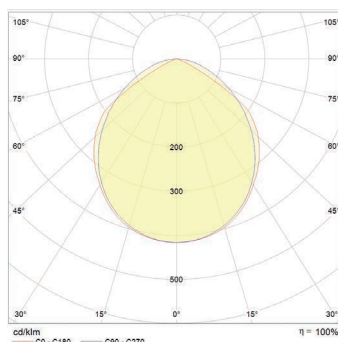
D (33° x 113°) (PMMA; CLEAR)



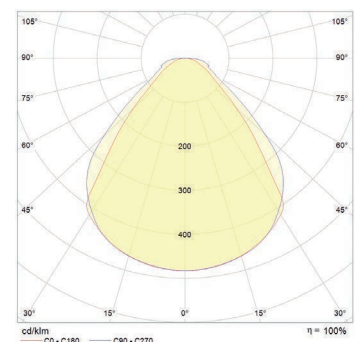
E (13° x 79°) (PMMA; CLEAR)



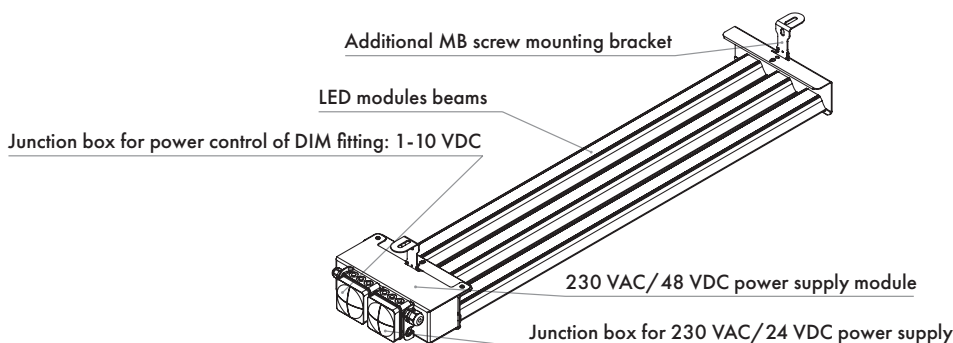
L (107° x 100°) (PMMA; SATIN)



T (87° x 84°) (PMMA; M-PRISM)



## Fast and easy installation



## Fixture code breakdown

PT3aPSPbLNcTC-OKOM

**PT3** product code – fixture Prometheus

**a** product version  
 „ - “ – standard efficiency  
 H – premium efficiency

**PSP** power supply [W]:  
 025, 040, 060, 080, 100, 120, 150, 185, 240, 320

**b** power supply control  
 „ - “ – 1-10 V  
 H – 1-10 V, operating temp. +70°C  
 Z – 0-10 V  
 D – DALI  
 P – potentiometer  
 B – Bluetooth

**L** LED module beam length:  
 K – 500 mm  
 S – 1000 mm  
 D – 1500 mm

**N** total number of LED module beams: 1, 2, 3, 4, 5, 6

**C** junction boxes position  
 „ - “ – on the side of fixture  
 G – on the top of beams  
 N – no junction boxes

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

**C** minimal color rendering index [CRI]  
 8 – Ra > 80  
 9 – Ra > 90  
 S – Ra > 95

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

**K/M** number of type 1 / type 2 beams: 1, 2, 3, 4, 5, 6

### Sample code PT3-150-S3-48-C2E1

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

Technical specification subject to change  
 220222V13

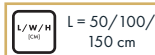
Industrial LED fixture

# PROMETHEUS



PROMETHEUS

PT3 230 VAC



## Company address

TheusLED „TNC INVESTMENTS” Sp. z o.o. Sp. k.  
ul. Wałowska 19A, 02-451 Warszawa

## Sales and Production

ul. Grabskiego 22, 55-011 Siechnice

## E-mail

office@theusled.com

## Telephone

+48 71 757 50 67

