

System of industrial LED fixtures with low Unified Glare Rating (UGR)

THESEUS



Very low Unified Glare Rating (UGR)

Up to 90% savings in energy costs

55 W - 150 W power supply

Luminous flux control

Compatible with light and motion sensors

Reliable

Made in Poland



SOLUTIONS FOR:

production halls,
high and low storage warehouses,
workshops

Maximum savings

- High luminous efficacy of the luminaire achieved by using the high-tech LED diodes
- Cooperation with reliable, technologically advanced automation systems
- Specialty optical system reduces glare effects to a minimum
- Unbreakable luminaire, without any glass elements.

User satisfaction and safety

- Very low glare index, UGR <16
- Produced in Poland - short lead times
- Long operating life thanks to the highest quality LED diodes and thanks to the design ensuring optimal cooling of the power supply unit (an individual profile power supply separated from the luminaire structure)
- Guarantee period up to 60 months
- High colour rendering index, Ra>80
- Working both in high ambient temperatures and in difficult conditions
- High tightness of the luminaire IP65

- Highest quality components from renowned manufacturers
- Maintaining a constant flux – no flicker fusion.

Convenience and comfort for installers and maintenance staff

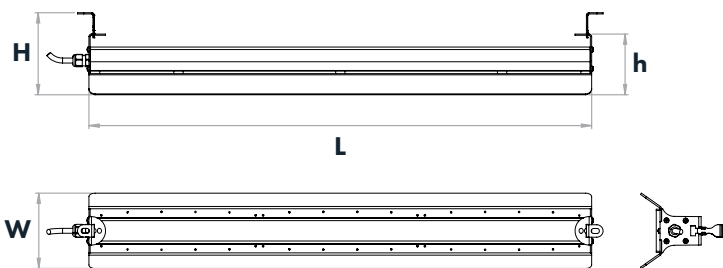
- Professional technical support
- Simple and quick installation of the luminaire
- Less frequent servicing and cleaning of luminaires.



Technical specification

Source of light	LED diodes	Tightness class	IP65
Diode lifetime	L70 > 115 000 h (ta = 25°C)	Electrical insulation class	Class. I
Color temperature	4000 K (others available on request)	Power factor	cos Φ > 0,98
Color Rendering Index	Ra > 80	Power supply efficiency	η > 94%
Supply voltage	198 – 264 VAC	Brightness control	DALI (options)
Operating temperature (ta)	-25°C to +50°C		

Dimensions and weight



H – height of the luminaire with additional suspension
h – height of the sole luminaire

	h	H	L	W	weight
Luminaire type	[mm]	[mm]	[mm]	[mm]	[kg]
TS1 – PSP b K1 ...	98	133	580	122	1,9
TS1 – PSP b P1 ...	98	133	840	122	2,5
TS1 – PSP b S1 ...	98	133	1110	122	3,2
TS1 – PSP b D1 ...	98	133	1380	122	4,0

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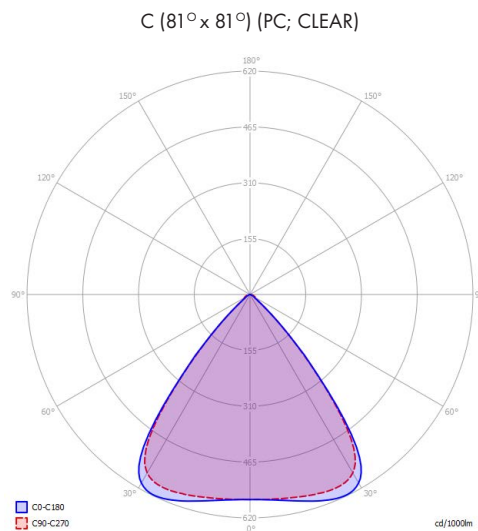
Luminaire power options

Luminaire type	TS1-055NK1 (55 W, L=580 mm)	TS1-080NP1 (80 W, L=840 mm)	TS1-115NS1 (115 W, L=1110 mm)	TS1-150ND1 (150 W, L=1380 mm)
Luminous flux	9 350 lm	13 600 lm	19 550 lm	25 500 lm
Application	production halls, low and high bay warehouses, workshops, workplaces, storage sheds			

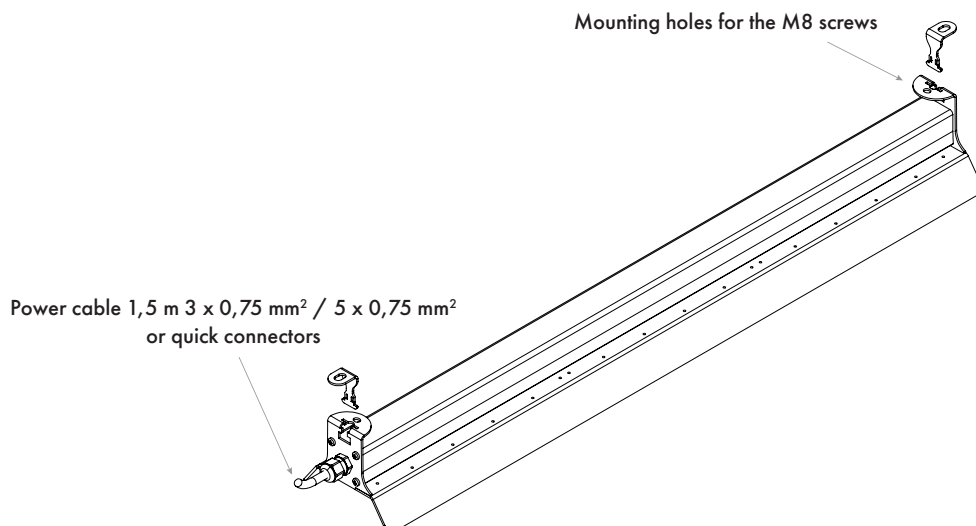
The above luminaire power and application recommendations are only indicative and apply to open halls. Actual luminaires are selected based on the specific lighting design.

Light distribution curve adjustment

Special optical design can be used to shape the light distribution curve to meet specific user requirements. Examples of light distribution curves for C optical systems:



Fast and easy installation



Coding of the Theseus luminaire

TS1 – PSP b L1 c TC – OK00

TS1 Product code – Theseus luminaire

PSP Power supply [W]:
055 – 55W
080 – 80W
115 – 115W
150 – 150W

b Power supply control
N – No control
D – DALI

L Length of luminaire
K – 580 mm
P – 840 mm
S – 1110 mm
D – 1380 mm

c Power connection
"-"- Power cord 1,5 m
A – External quick connector

T Color temperature of light [K]
3 – 3000 K
4 – 4000 K
5 – 5000 K
6 – 6500 K

C Color Rendering Index [CRI]
8 – Ra > 80

O Type of optics:
C – 81° x 81° transparent PC

K Number of lenses: 2, 3, 4, 5

Coding example


TS1 – 115 N S1 – 48 – C400

TS1 Theseus luminaire version: TS1
115 Power supply: 115 W
N No control
D Length of LED beam module: 1380 mm
- Power cord 1,5 m
4 Color temperature: 4000 K
8 Minimum CRI: Ra > 80
C4 Type of optics: 81° x 81° transparent PC

The technical specification is subject to change
220222V02

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 LOW UGR MADE IN POLAND CE	THESEUS	 55/80/115/ 150 W	 L = 58/84/ 111/138 cm	 	 3000/4000/ 5000/6500 K	
	TS1 230 VAC	 115.000 h	 1.9 - 4.0 kg	 IP 65	 80	
	 	 .. 170 lm/W	 NS/DALI	 IK 08	 -25° .. +50°C	

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