



# SIN INDUSTRIAL LED LUMINAIRES for fixing to the wall

WORLDWIDE POWERED

LEDs – 148 LM/W

NARROW/WIDE LENSES

## SIN

- HIGH ENERGY EFFICIENCY
- NO MAINTENANCE COSTS
- LONG LIFECYCLE
- HIGH QUALITY AREA ILLUMINATION
- ERGONOMICAL – CLOSE TO NATURAL LIGHT
- ECOLOGICAL – MERCURY AND LEAD FREE

**False Colours  
illuminances**

	64.00 lx
	32.00 lx
	16.00 lx
	8.00 lx
	4.00 lx
	2.00 lx
	1.00 lx
	0.50 lx
	0.00 lx



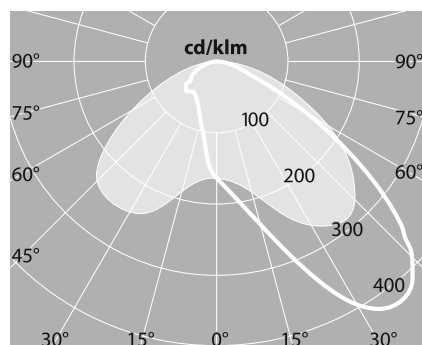
# SIN10, SIN18, SIN30, SIN40, SIN60

## Application

Luminaires SIN is applicable to illuminate corridor spaces in factory areas, storage terminals, supermarkets, sports and exhibition halls and more. It can be used for background illumination with high uniformity in production halls and shops.

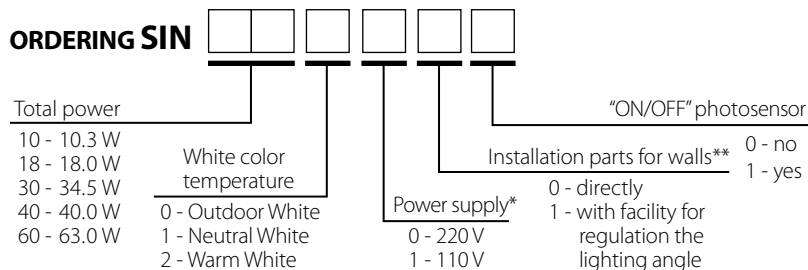
## Specifications

	SIN10	SIN18	SIN30	SIN40	SIN60
AC Input Voltage	90 ÷ 264 V AC		90 ÷ 305 V AC		
DC Input Voltage	127 ÷ 370 V DC		127 ÷ 431 V DC		
Mains Frequency	47 ÷ 63 Hz				
Power Factor (PF) at 230 V	-		min 95 %		
Power Factor (PF) at 115 V	-		min 98 %		
LED Power Dissipation	8.5 W	14.9 W	30.4 W	36.9 W	57.6 W
Power Efficiency	83 %		88 %	91 %	91 %
Total Power Dissipation	10.3 W	18 W	34.5 W	40 W	63 W
LED Light Output	148 lm/W				
Current Efficiency	79 %		81 %		
LED Luminous Flux	990 lm	1730 lm	2821 lm	3752 lm	5357 lm
Junction Temperature at Ta = 25°C	70°C		70°C	70°C	75°C
Optical cover efficiency	90 %				
Real Luminaire Efficacy (LER)	77 lm/W		72 lm/W		
Color Rendering Index (CRI)	65 ÷ 80				
Real Lamp Luminous Flux for:					
Cool White (4000 ÷ 6200 K)	789 lm	1380 lm	2362 lm	3152 lm	4900 lm
Neutral White (3700 ÷ 5000 K)	693 lm	1212 lm	2073 lm	2766 lm	3950 lm
Warm White (2600 ÷ 4300 K)	624 lm	1090 lm	1865 lm	2489 lm	3555 lm
Operating Temperature	-40° ÷ +55°C				
Operating Humidity	10 ÷ 95% RH				
Lifespan L70	> 120 000 h				
Ingress protection rating	IP 64				
Electrical Safety Class	class II				
Built in sensor for automatic "ON/OFF" switching	option				
Body	Marine Grade Aluminium Alloy and coloured UV protected polycarbonate				
Optical cover	PMMA or polycarbonate				
Dimensions	L	220 mm	220 mm	270 mm	370 mm
(with Installation parts)	W			160 mm	
	H			90 mm	
Weight (with Installation parts)		2.4 kg	2.6 kg	3.1 kg	4.5 kg
				4.5 kg	5 kg



Eulumdat (.ldt) files will be sent upon request

## ORDERING SIN



\* Power supply for luminaires of the SIN10, SIN18 and SIN30 type only.

\*\* Direct fixing to wall is possible for SIN10 and SIN18 only.