



# IUH

## INDUSTRIAL LED LUMINAIRES WITH UNIVERSAL MOUNTING

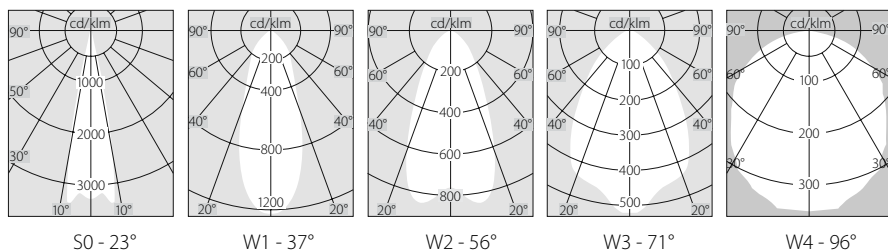
- WORLDWIDE POWERED
- LEDs – 160 LM/W
- HIGH ENERGY EFFICIENCY
- NO MAINTENANCE COSTS
- LONG LIFECYCLE
- HIGH QUALITY AREA ILLUMINATION
- ERGONOMICAL – CLOSE TO NATURAL LIGHT
- ECOLOGICAL – MERCURY AND LEAD FREE



# IUH40, IUH60, IUH90, IUH120, IUH150, IUH180

## APPLICATION

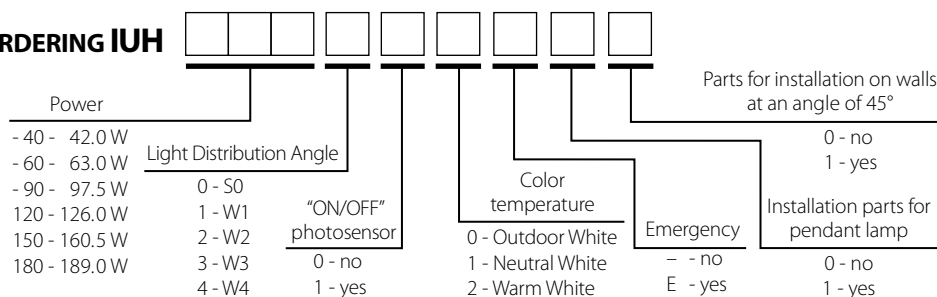
The luminaires of the IUH type have been designed for lighting of different kinds of industrial indoor areas or outdoor areas under shelters as per the architectural projects. They have been designed for fixing to ceilings or to walls at an angle of 45°. The fixing to the ceiling is either stationary or "pendant installation".



## SPECIFICATIONS

	IUH40	IUH60	IUH90	IUH120	IUH150	IUH180
AC Input Voltage						90 ÷ 305 V AC
DC Input Voltage						127 ÷ 431 VDC
Mains Frequency						47 ÷ 63 Hz
Power Factor (PF) at 230 V						min 95 %
Power Factor (PF) at 115 V						min 98 %
LED Power	36.9 W	56.7 W	87.1 W	115.2 W	145.6 W	172.8 W
Power Efficiency						90 %
Total Power	42 W	63 W	97.5 W	126 W	160.5 W	189 W
LED Light Output						160 lm/W
Current Efficiency						81 %
LED Luminous Flux	4862 lm	7394 lm	11216 lm	14788 lm	18610 lm	22182 lm
Junction Temperature						70° C
Thermal Efficiency						91 %
Optical Cover & Lences Efficiency						90 %
Real Luminaire Efficacy (LER)						98 lm/W
Real Lamp Luminous Flux for Outdoor White (4000 ÷ 6200 K)	4160 lm	6190 lm	9390 lm	12380 lm	15580 lm	18570 lm
Neutral White (3700 ÷ 5000 K)	3862 lm	5740 lm	8710 lm	11480 lm	14450 lm	17220 lm
Warm White (2600 ÷ 4300 K)	3268 lm	4860 lm	7370 lm	9720 lm	12230 lm	14580 lm
Light Distribution Angle			S0 - 23°, W1 - 37°, W2 - 56°, W3 - 71°, W4 - 96°			
Setting light intensity by a remote control						option
Operating Temperature						- 20° ÷ +55° C
Operating Humidity						10 ÷ 95 % RH
Lifespan L70						> 160 000 h
Ingress protection rating						IP 65
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 W H	480 mm 500 mm 120 mm	630 mm 500 mm 120 mm	810 mm 500 mm 85 mm	970 mm 500 mm 85 mm	1150 mm 500 mm 85 mm
Weight		2.2 kg	2.7 kg	3.8 kg	4.8 kg	6.5 kg
Emergency		3 hours; 320 lm				

## ORDERING IUH



Power	Light Distribution Angle	Color temperature	Emergency	Installation parts for pendant lamp
- 40 - 42.0 W	0 - S0	0 - Outdoor White	- - no	0 - no
- 60 - 63.0 W	1 - W1	1 - Neutral White	E - yes	1 - yes
- 90 - 97.5 W	2 - W2	2 - Warm White		
- 120 - 126.0 W	3 - W3			
- 150 - 160.5 W	4 - W4			
- 180 - 189.0 W				

C E EN61000-6-3:1997, EN61000-6-1:1997  
Quality Assurance ISO 9001:2008; AQAP 2110