SLEE

- Suitable for high (+55°C) and low (-50°C) temperatures
- Elevated degree of protection IP67
- IIB + H2 marking (hydrogen)
- Zones 1, 2, 21, 22

Supporting bracket →

Hinge for opening lamp holder housing

Tempered shockproof glass

NON APRIRE SOTTO TENSIONE, ATTENDERE 15 MIN
PRIMA DI APRIRE L'APPARECCHIATURA USARE
CAVI ADATTI PER TEMPERATURE DI 145°C

DO NOT OPEN WHILE ENERGIZED, WAIT 15 MINUTES
BEFORE THE OPENING OF THE APPARATUS, USE
CABLES SUITABLE FOR A TEMPERATURE OF 145°C

NON APRIRE SOTTO
TENSIONE
DO NOT OPEN WHEN
ENERGIZED

Ex e housing for terminal entries

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SLEE series   Rectangular horizontal floodlights

SLEE series floodlights have been specially designed for lighting large indoor and outdoor areas in hazardous zones. Thanks to their versatility and small size, they are the ideal solution for those seeking a balance of quality and value for money. Apart from being suitable for use in environments where there is hydrogen (H_2) present, they are also certified with a high degree of mechanical protection (IP67) and guarantee a symmetrical and concentrated distribution of light. The symmetrical reflector makes sure that the light is spread symmetrically in all directions to provide uniform lighting. Electrical connection with the floodlight is made via a terminal board in a "Ex e" enclosure that allows the entry to the lighting fixture through a cable gland with an "Ex" O-ring (non barrier) as specified in the installation specification standards (EN/IEC 60079.14).

As these units comply with international standards (IEC Ex), they can be installed anywhere in the world. SLEE series floodlights also comply with anti light pollution standards (Regional Law date 27 March 2000 N°17 – Article 6).

Application sectors:

Oil refineries	Chemical and petrochemical plants	Onshore plants	Offshore plants	Perimeter lighting	Anti light pollution	Presence of hydrogen	100% Cortem product

CERTIFICATION DATA

Classification	Group II	Category 2GD		

Installation EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)		

Marking:	CE 0722 ⟨Ex⟩ II 2GD Ex de IIB + H2 T2/T3/T4 - Ex tD A21 IP 66/67	

Certification:	ATEX CESI 03 ATEX 200			
	IEC Ex CES 18.0003X	All IEC Ex and TR CU certification data can be downloaded at www.cortemgroup.com		
	TR CU AVAILABLE			

Standards:

CENELEC EN 60079-0: 2006, EN 60079-1: 2004, EN 60079-7: 2007, EN 61241-0: 2006, EN 61241-1: 2004, EN60598-1:2008+A11:2009, EN60598-2-5:1998, EN61547:2009 and EUROPEAN DIRECTIVE 2014/34/UE
IEC 60079-0:2004, IEC 60079-1:2007, IEC 60079-7:2006, IEC 61241-0:2004, IEC 61241-1:2004
European Directive 2006/95 Low voltage
European Directive 2004/108 Electromagnetic compatibility
European Directive 2003/108 WEEE Waste electrical and electronic equipment
European Directive 2011/64 RoHS

Class temperature:	300°C (T2)	200°C (T3)	135°C (T4)

Ambient temperature:	Standard (IIB+H2) -20°C +55°C	Special (IIB) -50°C +55°C		

Degree of protection:	IP66/67

This equipment can be used in an environment containing explosive atmosphere and with the presence of hydrogen.

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SLEE series   Rectangular horizontal floodlights
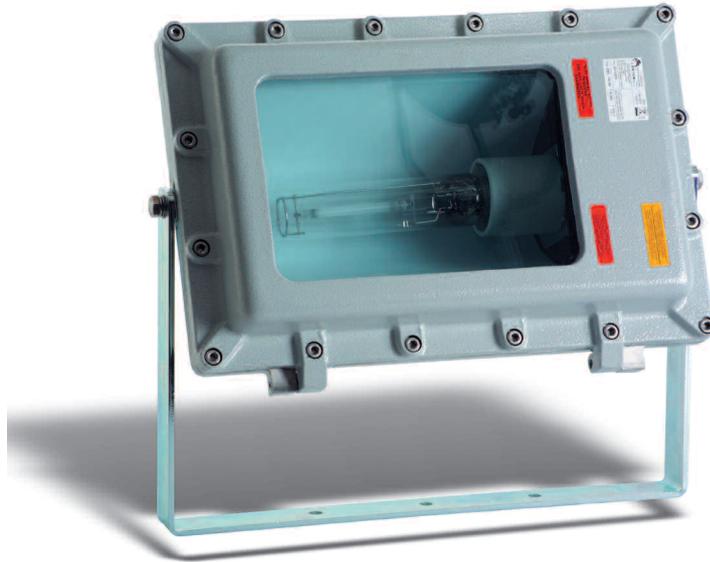
MECHANICAL FEATURES

Body:	Low copper content aluminium alloy
Glass face:	Shock and high temperature resistant tempered glass
Gaskets:	Acid/hydrocarbon resistant NBR
Internal reflector:	Anodised aluminium
Supporting bracket	Galvanised steel
Mounting:	3 x Ø12 holes
Bolts and screws:	Stainless steel
Entries:	2 x ISO M25 entries. Floodlight set with 1 x PLG2IG plug
Coating:	Polyester coating Ral 7035 (Light grey)
Corrosion Resistance :	The STANDARD of the aluminium alloy used by Cortem has passed the tests required by standards EN60068-2-30 (hot/humid cycles) and EN60068-2-11 (salt mist tests)

ELECTRICAL FEATURES

|	
Lamp holder:	E40 ceramic
Rated voltage:	230 V AC
Rated frequency:	50 Hz
Connection:	Direct connection to the terminal board L, N, Pe. Section 4 mm², suitable for input/output
Wiring:	Silicone rubber cables with glass braid insulation for high temperatures
Power factor:	0.96

ACCESSORIES AVAILABLE / SPECIAL REQUESTS

Discharge lamp
Different rated voltages
Cable gland: REVD2IB for armoured cable or REV2IB for non-armoured cable
Angular orientation system
Reinforced supporting bracket for mounting on mobile structures
Frame for mounting floodlight on pole

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Code	Dimensions mm					Type of lamp	Lamp holder	Watt	Class Ta +55 °C	Max surface temp °C	Weight Kg	mm
	A	B	C	a	b							
SLEE-40IM5	296	482	480	174	291	metal halide	E40	250	T3	165	26	550x350x540
SLEE-40IM6	296	482	480	174	291	metal halide	E40	400	T3	191	27	550x350x540
SLEE-40N5	296	482	480	174	291	high pressure sodium	E40	250	T3	168	26	550x350x540
SLEE-40N6	296	482	480	174	291	high pressure sodium	E40	400	T2 (T3 Ta+53°C)	201	27	550x350x540

Ex de

Ø12

100

100

2 holes M25x1.5
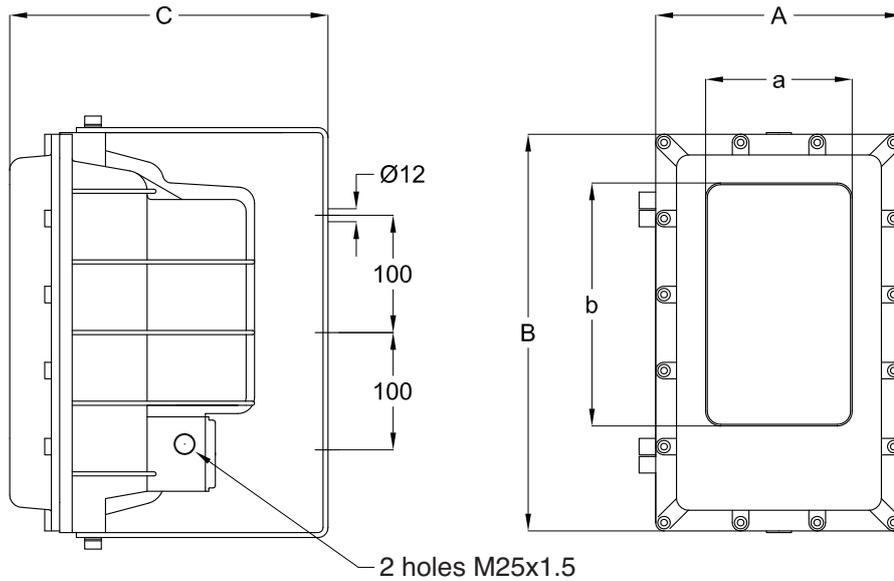
SLEE-40 floodlight kits with 400 W ballast are supplied as standard with a separate enclosure housing starter and capacitor.

460

Dimensions in mm

2 holes M25x1.5

Rear view of SLEE-40
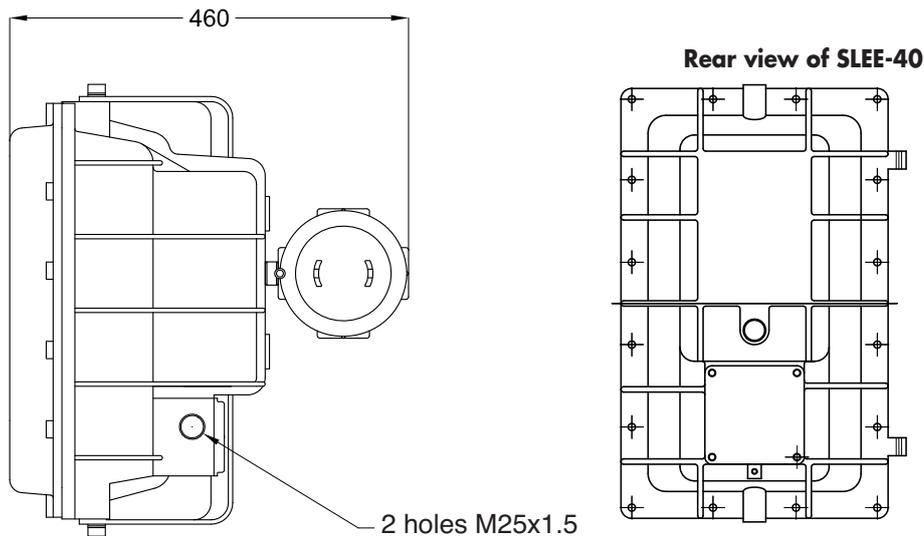
DON'T FORGET TO ORDER THE ACCESSORIES					
Example: Floodlight model SLEE-40N5	+	Lamp LAMPNAVT400W	+	Cable gland REV2IB	+ other …see key

ACCESSORY

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SLEE series Accessories and spare parts available on request

ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	High pressure sodium vapour lamp	E40	250 W (ST250W)	LAMPNAVT250WPLU	ACCESSORIO RICAMBIO
			400 W (ST400W)	LAMPNAVT400WPLU	
	Metal halide lamp	E40	250 W (MT250W)	LAMP250WJMT	ACCESSORIO RICAMBIO
			400 W (MT400W)	LAMP400WJMT	
	Reinforced supporting bracket for mounting on mobile structures	SLEE-40	Material: galvanised steel	G-418/1	ACCESSORIO RICAMBIO
	Cable gland	ISO M25	For models and codes, visit www.cortemgroup.com	REV2IB REVD2IB	ACCESSORIO RICAMBIO
	Front ring with glass	SLEE-40	In copper free aluminium with tempered glass front	G400-0322	RICAMBIO
	Supporting bracket	SLEE-40	Material: galvanised steel	G-418	RICAMBIO
	Angular orientation system fitted to supporting bracket (locking point every 15°)		Material: stainless steel	G-604	ACCESSORIO RICAMBIO
	Frame for mounting floodlight on pole		Material: galvanised steel	G-0534	ACCESSORIO RICAMBIO
	Sodium vapour and metal halide ballast	250 W	230V 50Hz	R-250NA	RICAMBIO
		400 W		R-400NA	
	Ceramic lamp holder	E40	750V - 16A	PORT.E40	RICAMBIO

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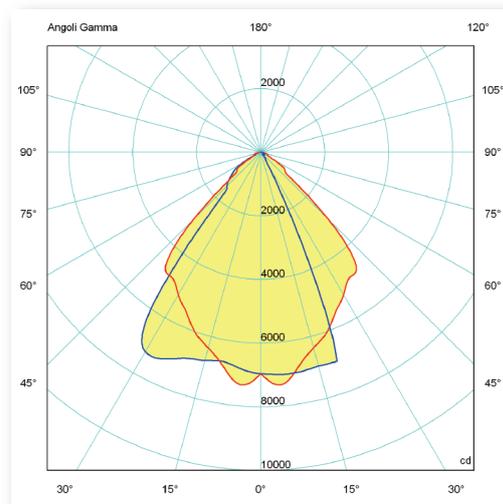| ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	Metal capacitor Sodium vapour	250 W	35µF 250V	**F-35**	
		400 W	50µF 250V	**F-50**	
	Metal capacitor Metal halide	250 W	30µF 250V	**F-30**	
		400 W	40µF 250V	**F-40**	
	Igniter		50-400 W	**R 100**	
	Reflector	SLEE-40	Material: anodised aluminium	**G-726**	
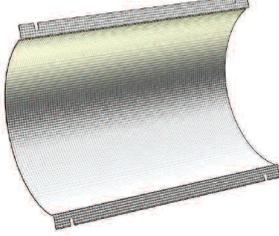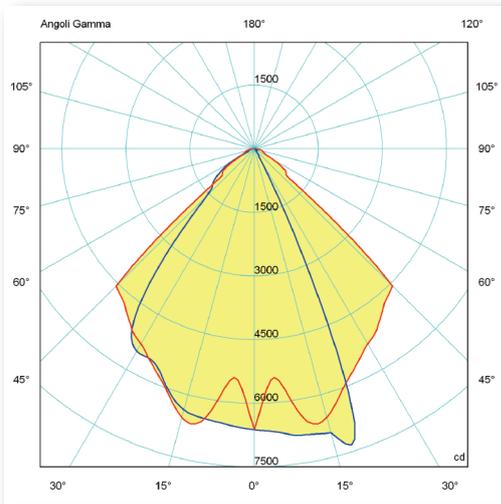
SLEE-40N5 250W Sodium
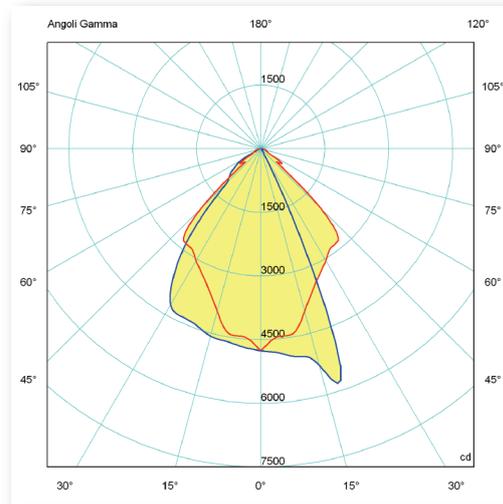
SLEE-40IM5 250W Halide
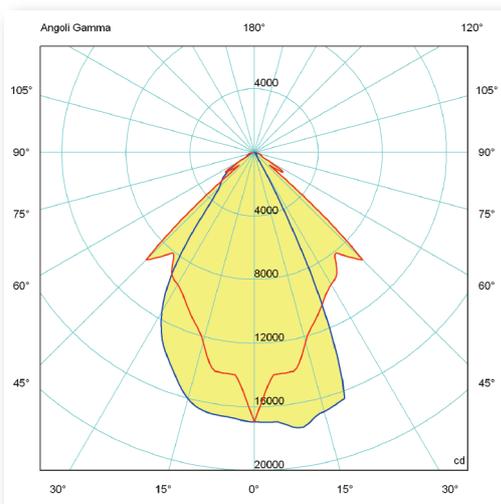
SLEE-40N6 400W Sodium

SLEE-40IM6 400W Halide

On Cortem Group web site you can download .LDT and .IES lighting data files for the design and simulation of lighting levels in 2D and 3D, rendering and ray tracing.

——— = plane 90270
——— = plane C 0180