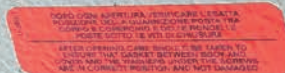
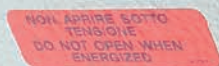


SLEE

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

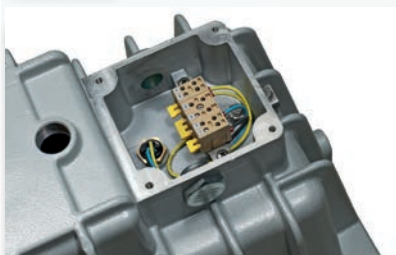
Supporting bracket



Hinge for opening lamp holder housing

Tempered shockproof glass

Ex e housing for terminal entries



SLEE series Rectangular horizontal floodlights

Ex de

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 (H₂) 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



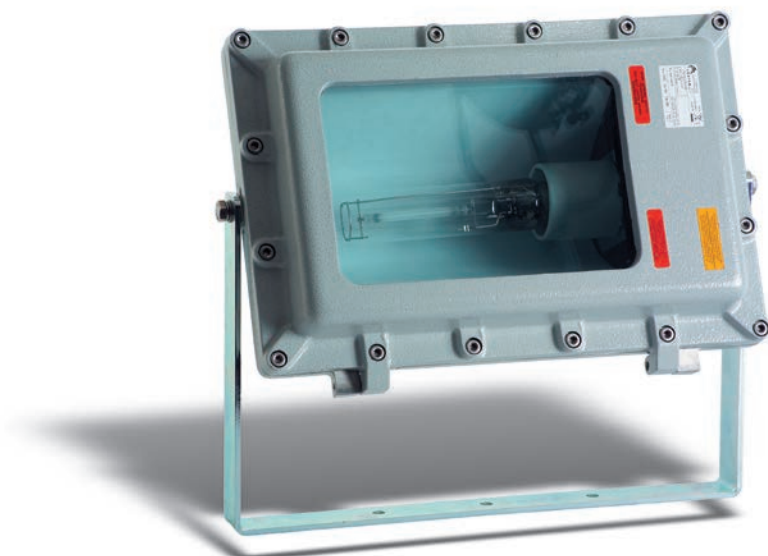
100% Cortem product

CERTIFICATION DATA

Classificazione:	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, TR CU and INMETRO certification data can be downloaded at www.cortemgroup.com			
	TR CU AVAILABLE					
	INMETRO 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.

SLEE series Rectangular horizontal floodlights



ORIGINAL PRODUCT

MECHANICAL FEATURES

Body:	Low copper content aluminium alloy
Glass face:	Shock and high temperature resistant tempered glass
Gaskets:	Silicone acid/hydrocarbon resistant
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 mm ² , suitable for input/output
Wiring:	Silicone rubber cables with glass braid insulation for high temperatures
Power factor:	0.96

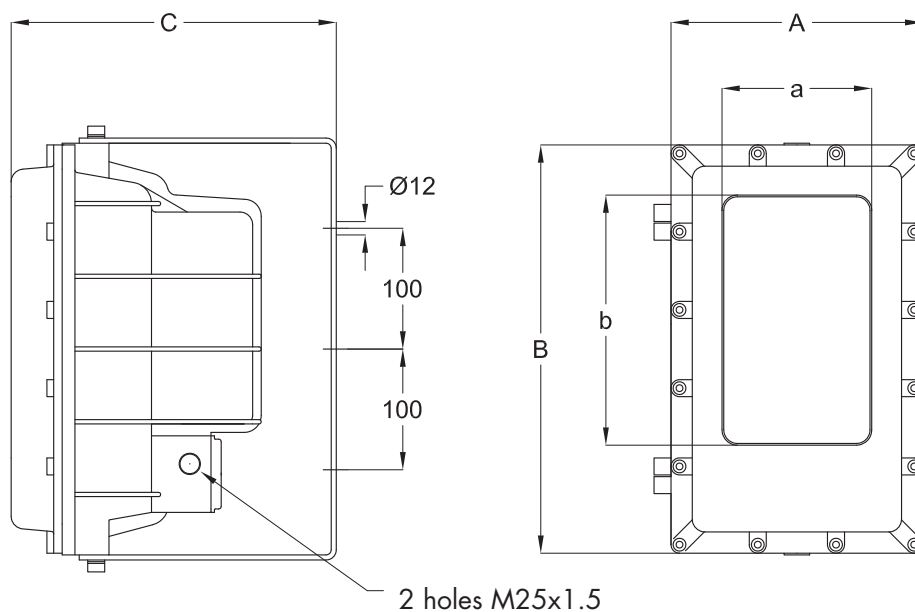
ACCESSORIES AVAILABLE / SPECIAL REQUESTS

Discharge lamp
 Different rated voltages
 Cable gland: NAV25IB for armoured cable or NEV25IB for non-armoured cable
 Angular orientation system
 Reinforced supporting bracket for mounting on mobile structures
 Frame for mounting floodlight on pole

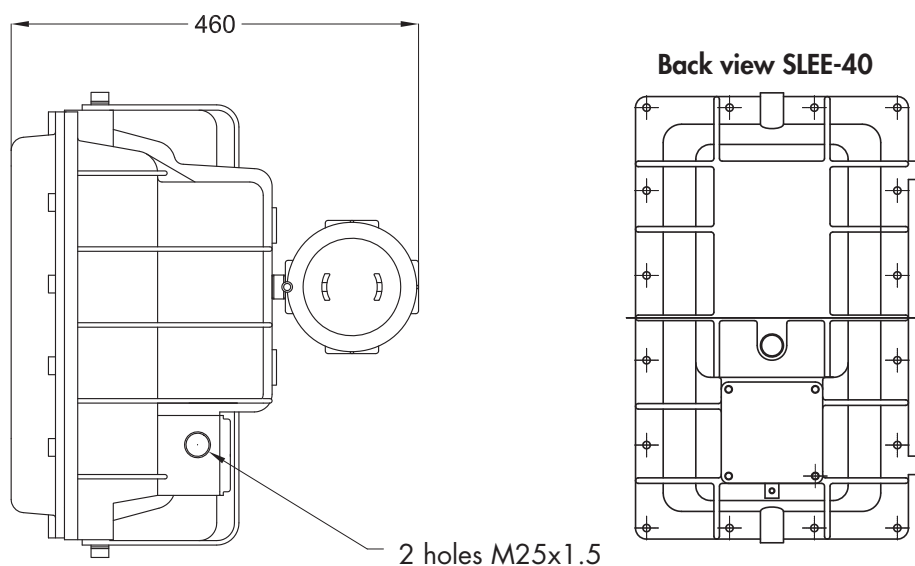
SLEE series dimensional drawings

Ex de

Code	Dimensions mm					Lamp type	Lamp holder	Watt	Class Ta +55 °C	Max Temp. superf. °C	Weight kg	
	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



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



Dimensions in mm

DON'T FORGET TO ORDER THE ACCESSORIES

Example: Floodlight model
SLEE-40N5

+

Lamp
LAMPNAV400W

+

Cable gland
NAV25IB

+

other ...see key





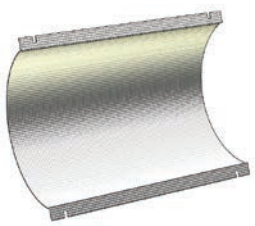



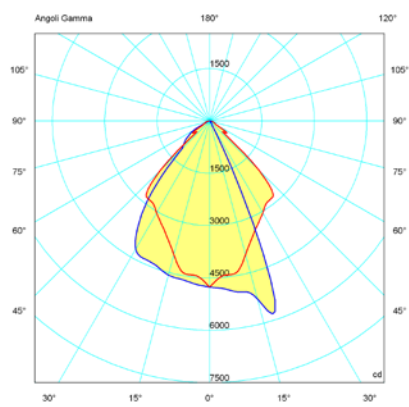
SLEE series Accessories and spare parts available on request

ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	High pressure sodium vapour lamp	E40	250 W (ST250W)	LAMPNAV250WPLU	 
			400 W (ST400W)	LAMPNAV2400WPLU	
	Metal halide lamp	E40	230 W (MT250W)	LAMP230WJMT	 
			360 W (MT400W)	LAMP360WJMT	
	Reinforced supporting bracket for mounting on mobile structures	SLEE-40	Material: galvanised steel	G-418/1	 
	Cable gland	ISO M25	For models and codes, visit www.cortemgroup.com	NAV251B NEV251B	 
	Front ring with glass	SLEE-40	In copper free aluminium with tempered glass front	G400-0322	 
	Supporting bracket	SLEE-40	Material: galvanised steel	G-418	 
	Angular orientation system fitted to supporting bracket (locking point every 15°)		Material: stainless steel	G-604	 
	Frame for mounting floodlight on pole		Material: galvanised steel	G-0534	 
	Sodium vapour and metal halide ballast	250W IM5	230V 50Hz	R-250NA	
		400W IM6		R-400	
		250W N5		R-250NA	
		400W N6		R-400NA	
	Ceramic lamp holder	E40	750V - 16A	PORT.E40	

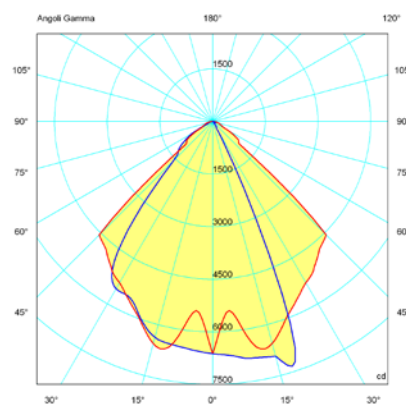
SLEE series Accessories and spare parts available on request

Ex de

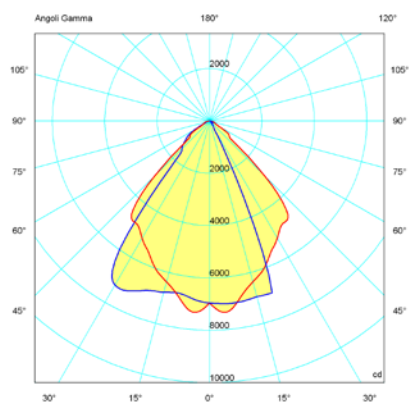
ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	Capacitor for sodium vapour	250 W	35µF 250V	F-35	
		400 W	50µF 250V	F-50	
	Capacitor for metal halide	250 W	30µF 250V	F-30	
		400 W	40µF 250V	F-40	
	Igniter	250 W	100-400 W	R100	
		400 W		R100P	
	Reflector	SLEE-40	Material: anodised aluminium	G-726	



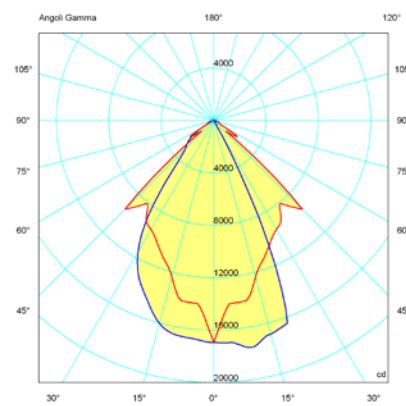
SLEE-40N5 250W Sodium



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 0180