

# SLEE

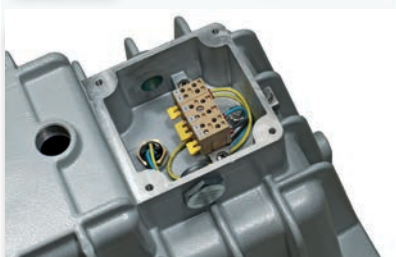
- Suitable for high (+55°C) and low (-50°C) temperatures
- Elevated degree of protection IP67
- IIB + H2 marking (hydrogen)
- Zones 1, 2, 21, 22

*Supporting bracket*

*Hinge for opening lamp holder housing*

*Tempered shockproof glass*

*Ex e housing for terminal entries*



B.106

## 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<sub>2</sub>) 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

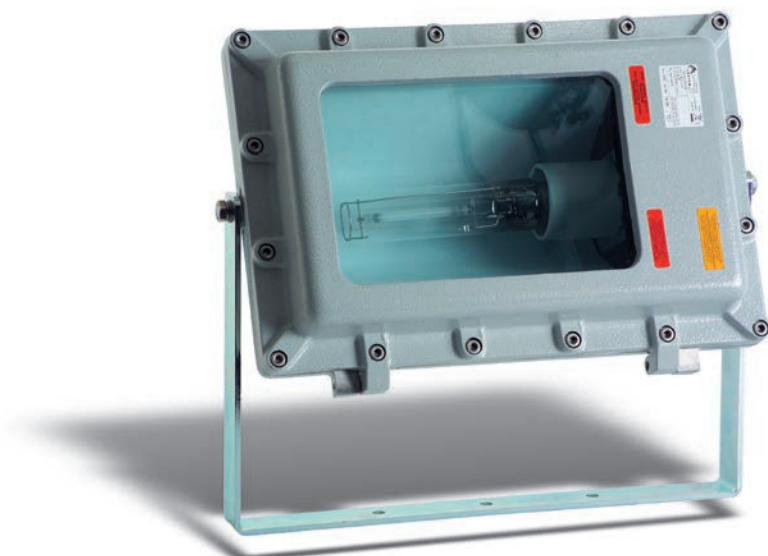
### CERTIFICATION DATA

Classificazione:	Group II		Category 2GD			
Installation: EN 60079.14	zone 1 - zone 2 (Gas)		zone 21 - zone 22 (Dust)			
Marking:	C€ 0722  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 <a href="http://www.cortemgroup.com">www.cortemgroup.com</a>			
	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

<b>Body:</b>	Low copper content aluminium alloy
<b>Glass face:</b>	Shock and high temperature resistant tempered glass
<b>Gaskets:</b>	Silicone acid/hydrocarbon resistant
<b>Internal reflector:</b>	Anodised aluminium
<b>Supporting bracket:</b>	Galvanised steel
<b>Mounting:</b>	3 x Ø12 holes
<b>Bolts and screws:</b>	Stainless steel
<b>Entries:</b>	2 x ISO M25 entries. Floodlight set with 1 x PLG2IG plug
<b>Coating:</b>	Polyester coating Ral 7035 (Light grey)
<b>Corrosion Resistance:</b>	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

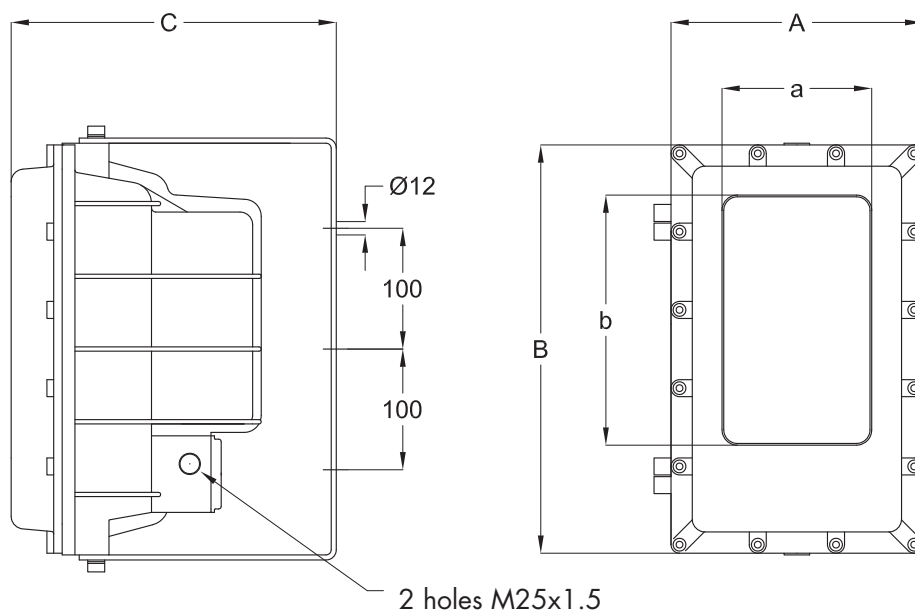
<b>Lamp holder:</b>	E40 ceramic
<b>Rated voltage:</b>	230 V AC
<b>Rated frequency:</b>	50 Hz
<b>Connection:</b>	Direct connection to the terminal board L, N, Pe. Section 4 mm <sup>2</sup> , suitable for input/output
<b>Wiring:</b>	Silicone rubber cables with glass braid insulation for high temperatures
<b>Power factor:</b>	0.96

### ACCESSORIES AVAILABLE / SPECIAL REQUESTS

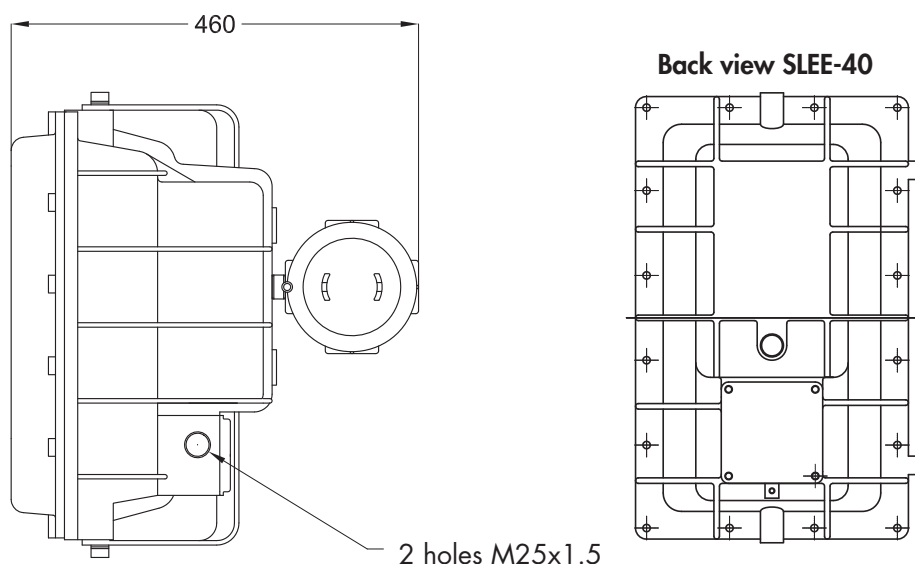
Discharge lamp  
Different rated voltages  
Cable gland: NEV25IB for armoured cable or NAV25IB for non-armoured cable  
Angular orientation system  
Reinforced supporting bracket for mounting on mobile structures  
Frame for mounting floodlight on pole

## SLEE series dimensional drawings

Code	Dimensions mm					Lamp type	Lamp holder	Watt	Class Ta +55 °C	Max Temp. superf. °C	Weight kg	
	A	B	C	a	b							
<b>SLEE-40IM5</b>	296	482	480	174	291	metal halide	E40	250	T3	165	26	550x350x540
<b>SLEE-40IM6</b>	296	482	480	174	291	metal halide	E40	400	T3	191	27	550x350x540
<b>SLEE-40N5</b>	296	482	480	174	291	high pressure sodium	E40	250	T3	168	26	550x350x540
<b>SLEE-40N6</b>	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

+





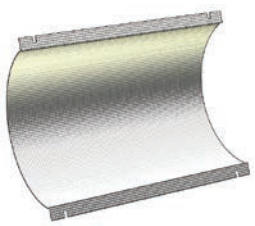

other ...see key

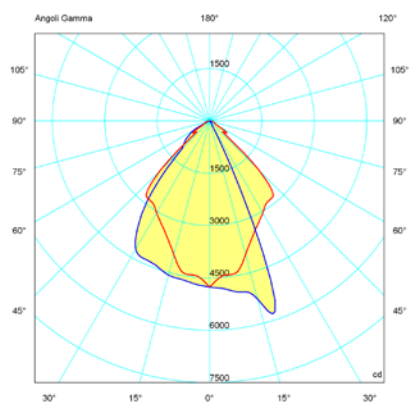


## SLEE series Accessories and spare parts available on request

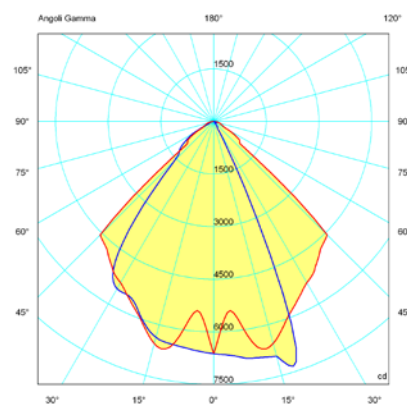
ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	High pressure sodium vapour lamp	E40	250 W (ST250W)	LAMPNAV250WPLU	 
			400 W (ST400W)	LAMPNAV2400WPLU	
	Metal halide lamp	E40	230 W (MT250W)	LAMP230WJMT	 
			360 W (MT400W)	LAMP360WJMT	
	Reinforced supporting bracket for mounting on mobile structures	SLEE-40	Material: galvanised steel	G-418/1	 
	Cable gland	ISO M25	For models and codes, visit <a href="http://www.cortemgroup.com">www.cortemgroup.com</a>	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	

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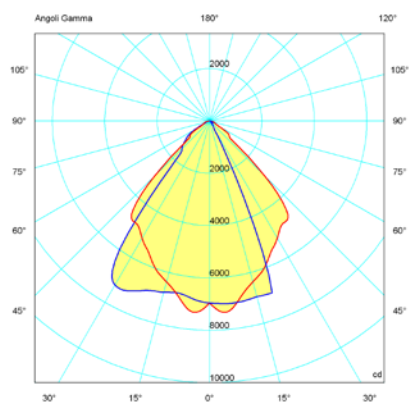
ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	Capacitor for sodium vapour	250 W	35µF 250V	F-35	
		400 W	50µF 250V	F-50	
	Capacitor for metal halide	250 W	30µF 250V	F-30	
		400 W	40µF 250V	F-40	
	Igniter	250 W	100-400 W	R100	
		400 W		R100P	
	Reflector	SLEE-40	Material: anodised aluminium	G-726	



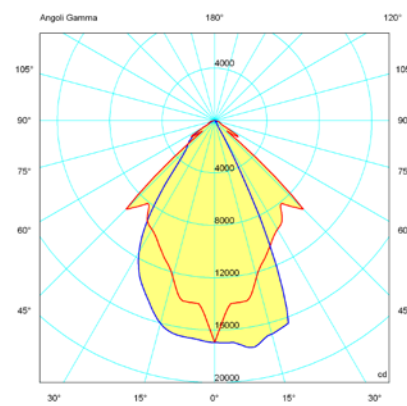
**SLEE-40N5 250W Sodium**



**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