

NOTE: for optimal operation of highbays supplied without lamp (**CNR**), please use appropriate lamps, compatible with the relevant electric gear:

- 1103/1104 Nikos JM-T 400

Power supply: 3.25 A mercury vapour
Ignitor: 0.6-1.0 kV impulses

- 1103/1104 Nikos JM-T/SAP-T 250

Power supply: 3A high pressure sodium /metal halides
Ignitor: 3.5-4.5 kV impulse overlapping

1103 Nikos - symmetric			
		CNR	
wattage	colour	weight	code
JM-T/SAP-T 250	white	9.10	321560-00
JM-T 400	white	13.50	321561-00
SAP-T 400	white	13.50	321562-00

Option to use glass and protection guard simultaneously.
Emergency version with one FLC18D/E lamp. With separate electric gear box. The price is obtained by adding the reflector and acc. 1175 prices, and should not be calculated per pallet. FLC26D/E lamp available on request **Acc. 1175, CNL-E code 997659. Please specify the required version in your order (the highbay is specially made with sub-code -07).**

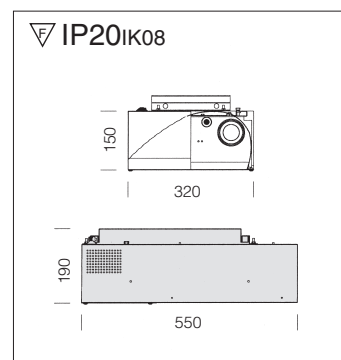
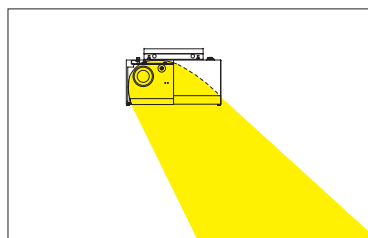
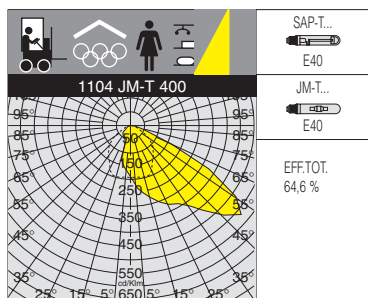
Housing: made of sheet steel galvanised and coating.

Reflector: made of anodised, polished and prismatic aluminium 99.85.

Coating: UV-stabilised white polyester powder after phosphatizing treatment.

Wiring: 230V/50Hz power supply. Flexible wire, with admiralty brass rapid connection clamps, silicone insulation with fibreglass braid. 2P+T terminal block (maximum allowed lead cross section 4 sqmm.)

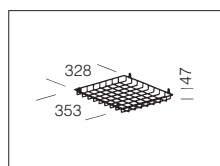
Standard supply: Supplied with ceiling mounting unit.



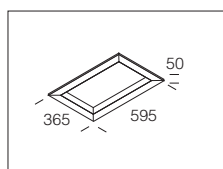
Reflector: made of anodised, polished and prismatic aluminium 99.85.

1104 Nikos - asymmetric			
		CNR	
wattage	colour	weight	code
JM-T/SAP-T 250	white	9.10	321570-00
JM-T 400	white	13.50	321571-00

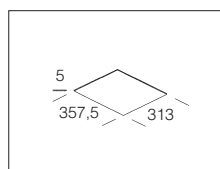
Option to use glass and protection guard simultaneously.



acc. 1187 protection guard	
0.50	321511
White plastic-coated steel rod. For protection against impact.	



acc. 1185 rec. mounting frame	
1.00	321508
Steel, painted white. Frame for recessed mounting of art.1103 and 1104 in 600x600 false ceilings.	



acc. 1188 glass	
1.45	321512
Tempered protective glass, resistant to impact and thermal shock. If frescoes are present, request a UV STOP filter (cod.321513).	

ELECTRICAL SYSTEMS FOR AREAS CONTAINING EXPLOSIVE GAS:	
Ex nA II 3G T6 Ta -20°C ÷ +40°C	
Ex =	ELECTRICAL SYSTEM BUILT AND TESTED FOR UTILIZATION IN AN ATMOSPHERE FILLED WITH EXPLOSIVE GASSES.
nA =	THE ELECTRICAL SYSTEM DOES NOT PRODUCE SPARKS WHEN OPERATING NORMALLY.
II =	ELECTRICAL SYSTEM SUITABLE FOR AREAS WITH A POTENTIALLY EXPLOSIVE ATMOSPHERE, DIFFERENT FROM MINES, WITH FIREDAMP.
3 =	CATEGORY 3 APPLIANCE.
G =	PROTECTION AGAINST GAS CATCHING FIRE.
T6 =	MAXIMUM INTERNAL OR EXTERNAL SURFACE TEMPERATURE; CLASSIFICATION ACCORDING TO REGULATION CEI EN 60079-0 TABLE 2
Ta =	AMBIENT TEMPERATURE FOR USE IN COMPLIANCE WITH THE ELECTRICAL SYSTEM.

ELECTRICAL SYSTEMS FOR AREAS CONTAINING EXPLOSIVE POWDERS:	
Ex II 3D tD A 22 IP6X T 100°C	
Ex =	ELECTRICAL SYSTEM BUILT AND TESTED FOR UTILIZATION IN AN ATMOSPHERE CONTAINING COMBUSTIBLE POWDERS.
II =	ELECTRICAL SYSTEM FOR AREAS WITH A POTENTIALLY EXPLOSIVE ATMOSPHERE, DIFFERENT FROM MINES, WITH FIREDAMP.
3D =	CATEGORY 3 APPLIANCE.
tD =	DUST-PROOF BOX. PROTECTS AGAINST ALL VISIBLE DUST PARTICLES.
A =	METHOD A: PROTECTS AGAINST EXPLOSION.
22 =	PERMITTED HAZARDOUS AREA.
IP6X =	BOX ENTIRELY PROTECTED AGAINST DUST
T 100°C =	MAXIMUM TEMPERATURE IN A DUST-FREE ENVIRONMENT

SELECTION OF ELECTRICAL SYSTEMS IN RELATION TO HAZARDOUS AREAS		
HAZARDOUS AREA	CLASSIFICATION	PROTECTIONS PERMITTED
	0	“ ia ” INTRINSIC SAFETY ACCORDING TO REGULATION CEI EN 50020
ATMOSPHERE CONTAINING GAS Explosion-prone electrical systems CEI EN 60079-14	1	“ D ” explosion-proof protection boxes according to regulation cei en 60079-1 “ P ” internal overpressure systems according to regulation cei en 60079-2 “ Q ” can be filled with sand according to regulation cei en 50017 “ O ” oil immersion according to regulation cei en 50015 “ E ” higher safety levels according to regulation cei en 60079-7 “ I ” intrinsic safety according to regulation cei en 5002 “ M ” encapsulation according to regulation cei en 50028
	2	“ D ” explosion-proof protection boxes according to regulation cei en 60079-1 “ P ” internal overpressure systems according to regulation cei en 60079-2 “ Q ” can be filled with sand according to regulation cei en 50017 “ O ” oil immersion according to regulation cei en 50015 “ E ” higher safety levels according to regulation cei en 60079-7 “ I ” intrinsic safety according to regulation cei en 50020 “ M ” encapsulation according to regulation cei en 50028 “ N ” standard protection system according to regulation cei en 60079-15
ATMOSPHERE CONTAINING powders electrical systems protected by protection boxes	20	GROUP II CATEGORY 1 EQUIPMENT
	21	GROUP II CATEGORY 1,2 EQUIPMENT
	22	GROUP II CATEGORY 1,2,3 EQUIPMENT

RELEVANT REGULATIONS	
Directive 94/9/CE entrusts conformed European regulations with the task of setting out basic technical requirements to guarantee safety in explosion-prone areas, replacing contrasting national and European regulations belonging to the same sector.	
CEI EN 60079-0	Electrical systems for potentially explosive atmospheres GENERAL REGULATIONS
CEI EN 60079-15	Electrical systems for potentially explosive atmospheres. PROTECTION METHOD “n”
CEI EN 60079-10	Electrical systems for potentially explosive atmospheres containing gasses CLASSIFICATION OF HAZARDOUS AREAS
CEI EN 60079-14	Electrical systems for potentially explosive atmospheres containing gasses ELECTRICAL SYSTEMS FITTED IN EXPLOSION-PRONE AREAS
CEI EN 61241-14	Electrical systems used in areas containing combustible powders. Part 14: selection and installation
CEI EN 61241-17	Electrical systems used in areas containing combustible powders. Part 17: check and maintenance
CEI EN 61241-0	Electrical systems used in areas containing combustible powders. Part 0: general rules
CEI EN 61241-1:	Electrical systems used in areas containing combustible powders. Part 1: protection using “tD” protection boxes