

ZNT RANGE

WATERTIGHT PROFESSION POLYCARBONATE CEILING MOUNTING LUMINAIRES

GEWISS

COMPLIANCE WITH STANDARDS

EN 60598-1 - EN 60598-2-1

MATERIALS AND FINISHINGS

Casing:	polycarbonate grey RAL 7035
Impact resistance:	20 J
Glow Wire Test:	850°C
Diffuser:	prismatised transparent polycarbonate stabilised for U.V. rays.
Impact resistance:	20 J
Glow Wire Test:	850°C
Reflector:	white pre-painted steel
Sealing gasket:	neoprene
Diffuser closure clips:	stainless steel

WIRING

Supply unit:	internal
Lampholder:	polycarbonate
Supply terminal:	3-pole in polyamide for cables with section 2.5 mm ² (class I) 2-pole in polyamide for cables with section 2.5 mm ² (class II)
Cables:	rigid, insulating, in PVC (class I), rigid, insulating, in PVC in double insulation (class II)
Cos φ:	≥ 0.9

EQUIPMENT AND ACCESSORIES SUPPLIED

Cable gland:	in technopolymer PG 13.5 for cables Ø 9 ÷ 12.5mm; Atex versions PG 13.5 in steel
Cable gland:	Ø 20 mm in rubber
Reflector support clamps:	polyamide
Suspension clips:	polyamide
M6 nut and stud bolt for fixing busbar with clips:	steel
Fixing hooks for surface/ceiling-mounting:	springs in sheet metal with corrosion-proof treatment
Packaging:	corrugated cardboard

BEHAVIOUR WITH CHEMICAL AND CORROSIVE AGENTS*

Water	Marine climate	Acids	Bases	Ketones	Spirits	Silicone oil	Oils/Fats	Petrol
Resistant	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Limited resistance	Limited resistance

* For behaviour with other chemical agents, see the "Technical information" section.

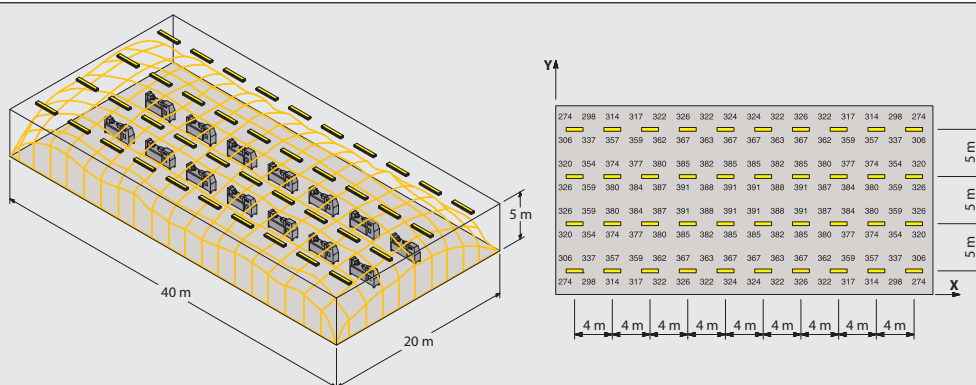
NOTE: the presence of oils and solvents deriving from mechanical works harms the structural integrity of the ceiling-mounting luminaires.

DESIGN SOLUTIONS

Requirement:

Lighting industrial shed 40x20 m, in accordance with CIE recommendations for work on machines and at bench.

Design Solution:



Luminaire Code	Type of optics	Type of lamp	Lamp flux (lm)	No. of lamps per luminaire	Total No. luminaires	Total Power kW	Average lighting E _m (lux)	Uniformity E _{min} /E _{med} E _{min} /E _{max}
GW 80 006	DIFFUSED	FD 58W	5200	2	40	5,7	352	0,78 0,70

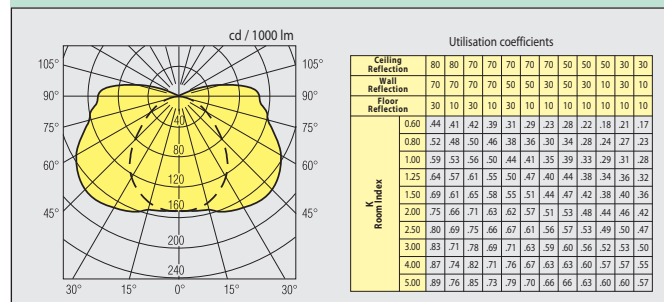
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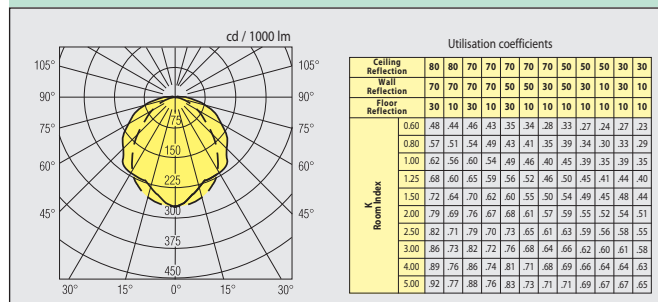
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PHOTOMETRIC CURVES

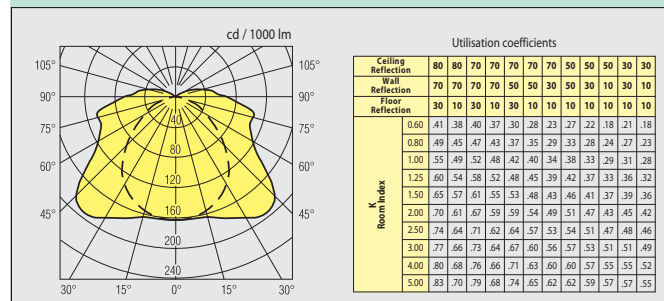
ZNT 1x58W FD



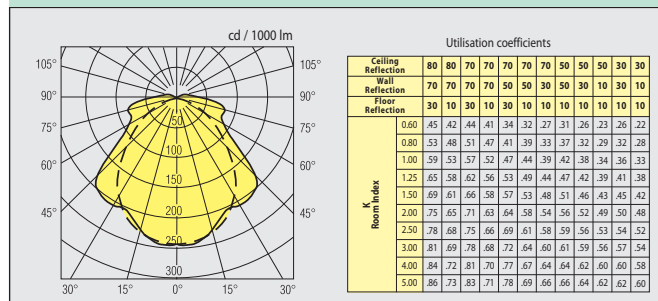
ZNT 1x58W FD WITH RESTRICTED BEAM REFLECTOR



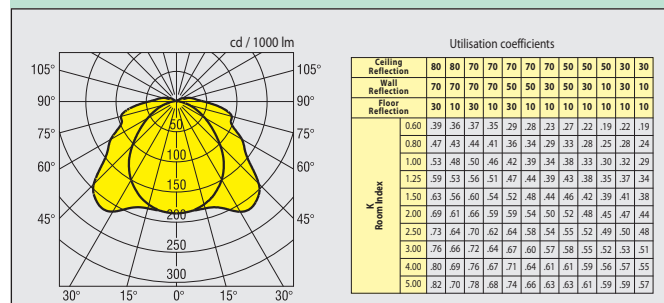
ZNT 2x58W FD



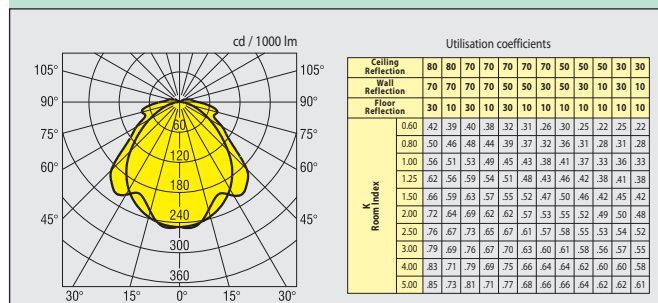
ZNT 2x58W FD WITH RESTRICTED BEAM REFLECTOR



ZNT 4x55W FSD



ZNT 4x55W FD WITH RESTRICTED BEAM REFLECTOR



ATEX CLASSIFICATION FOR ZNT ARTICLES - MAGNETIC BALLAST

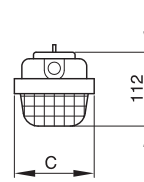
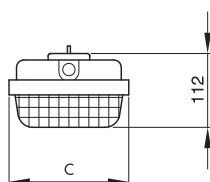
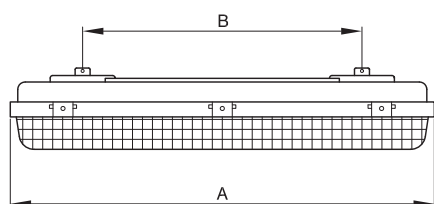
Version 2x18W: II 3GD Ex nA T3 - tD A22 IP65 T81°C -20°C ≤ Ta ≤ +25°C - 230V 50Hz
 Version 2x36W: II 3GD Ex nA T3 - tD A22 IP65 T78°C -20°C ≤ Ta ≤ +25°C - 230V 50Hz
 Version 2x58W: II 3GD Ex nA T4 - tD A22 IP65 T88°C -20°C ≤ Ta ≤ +25°C - 230V 50Hz

ATEX CLASSIFICATION FOR ZNT ARTICLES - ELECTRONIC POWER SUPPLY

Version 2x18W: II 3D Ex - tD A22 IP65 T85°C -20°C ≤ Ta ≤ +25°C - 220/240V 50/60Hz
 Version 2x36W: II 3D Ex - tD A22 IP65 T85°C -20°C ≤ Ta ≤ +25°C - 220/240V 50/60Hz
 Version 2x58W: II 3D Ex - tD A22 IP65 T85°C -20°C ≤ Ta ≤ +25°C - 220/240V 50/60Hz

DIMENSION TABLES

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LAMP POWER	A	B	C
1 x 18W	680	450	135
1 x 36W	1290	800	135
1 x 58W	1590	1100	135
2 x 18W	680	450	195
2 x 36W	1290	800	195
2 x 58W	1590	1100	195
1 x 55W	680	450	135
2 x 55W	680	450	195
2 x 55W	1290	800	135
2 x 80W	1290	800	135
4 x 55W	1290	800	195