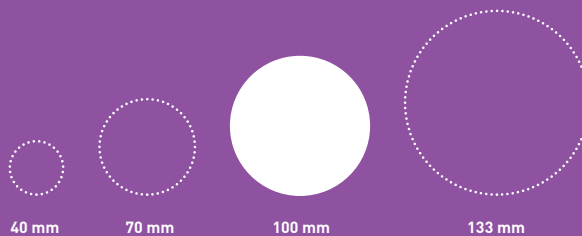




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LED – EASY MAINTENANCE - Ø100 - CLASS 1 – 1850-5550 LM

PASCAL 100

IMPERVIOUS TUBULAR LIGHT FITTING FOR INDUSTRIAL APPLICATIONS

LED TECHNOLOGY

Instant full flux independant from operating temperature
 Insensitive to on/off switching cycles
 No UV emission

TUBULAR

Increased mechanical resistance
 Easy to clean
 Limited dirt accumulation
 360° orientation

IMPERVIOUS (IP68/IP69K)

Absolute imperviousness
 No internal dust accumulation
 Maximum light output
 Adapted for pressure cleaning

EASY INSTALLATION AND MAINTENANCE

Easy opening and closing with just one screw
 Retrofitable LED modules and drivers

DURABLE

High resistance to corrosion and external aggression
 Robustness of the housing, combined with the quality of the materials and components offers a long-term investment
 LED and driver service life:
 50 000H
 5 years warantee

ELECTRICAL CLASS	CLASS 1
FIRE RESISTANCE	
Polycarbonate	960°C
Coex. Polycarbonate/PMMA	650°C
PROTECTION	IP68/IP69K
SHOCK RESISTANCE	IK10
OPERATING TEMPERATURE	-20°C +35°C

DESCRIPTION

HOUSING:

- Ø100mm polycarbonate or coextruded polycarbonate/methacrylate diffuser
- End caps ½ ring press-formed in 304L stainless steel (316L also available)
- EPDM moulded gaskets
- Cable entry with cable gland (disconnectable plug available)
- Possibility for a model with 2 cable entries for looping-in (2 entries on the same cap)

LED GEAR TRAY:

- White powder coated steel gear tray
- Light mixing chamber
- Aluminum heat sink
- High efficiency (133lm/W) LED modules:
 - Service life 50 000h
 - Color temperature: 3000°K (4000K also available)
 - IRC > 80
- Integrated 220/240V 50/60Hz constant current LED driver

INSTALLATION-MAINTENANCE:

- Connection to 3x2.5 mm² detachable terminal block (cable gland version) or disconnectable plug 3x1,5 mm²
- Installation with 2 stainless steel straps with snap lock with variable centre distance and allowing 360° orientation
- Maintenance by removing the end-cap and sliding the guided gear plate (patented system)
- Electronic components (LED modules and converter) with very long service life (50 000h) can be easily retrofitted to take advantage of the resistance of the luminaire and ensure the efficiency of your investments and protection of environment.

INSTALLATION-MAINTENANCE

APPLICATION ADVICE : AGRI-FOOD

Recommended options: POME and PS3

- POME: polycarbonate core coextruded with a methacrylate layer associating:
 - Mechanical strength of the polycarbonate
 - Resistance to cleaning agents of the methacrylate
- PS3 : « Plug and play », a disconnectable IP68 plug allows an off site maintenance without tool.

APPLICATION ADVICE : OUTDOOR LIGHTING (RESISTANCE TO YELLOWING)

Recommended options: POME

- Coextruded diffuser having a polycarbonate core coextruded with a methacrylate layer to obtain the mechanical strenght combined with exceptional resistance.

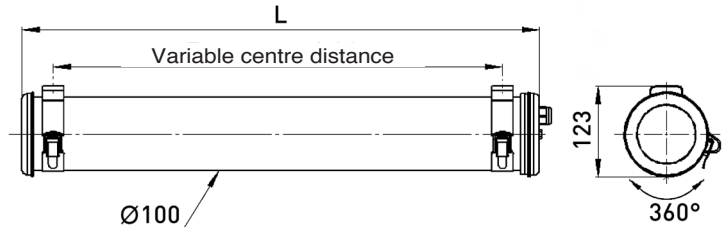
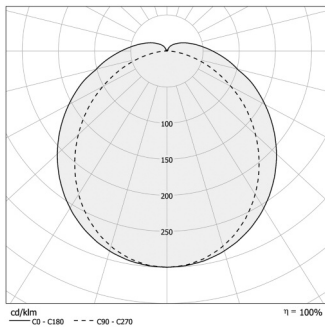
NEW WORKS AND ONE FOR ONE REPLACEMENT

LED sources can be separated from the traditional dimensions of fixtures previously conditioned by the length of fluorescent tubes.

Pascal range is available in 2 versions:

- ONE FOR ONE REPLACEMENT version with the same illumination of your initial installation but for less power consumption.
- NEW WORKS version, flow and dimensions are optimized, allowing installation of efficient lighting, combining energy saving and reducing the number of your initial fixtures.

Our office can help you to find the best solution for your future project.



MAIN REFERENCES – ONE FOR ONE REPLACEMENT VERSIONS

POWER	EQUIVALENCE			OPTICS	LIGHT OUTPUT		
	FLUO	DESIGNATION	CODE		(lm)	L (mm)	WEIGHT (kg)
Standard reference : polycarbonate diffuser and cable gland							
26W	1X36W T8	PAS100 13H830 PO 113 SA	4160 0010		2775	1018	2,8
44W	1X58W T8	PAS100 15H830 PO 113 SA	4160 0030		4625	1618	4,1
AGRI-FOOD : polycarbonate/PMMA diffuser and disconnectable plug							
26W	1X36W T8	PAS100 13H830 POME PS3 SA	4160 0060		2775	1018	3,0
44W	1X58W T8	PAS100 15H830 POME PS3 SA	4160 0080		4625	1618	4,4

MAIN REFERENCES - NEW WORK VERSIONS

POWER	DESIGNATION	CODE	OPTICS	LIGHT OUTPUT		
				(lm)	L (mm)	WEIGHT (kg)
Standard reference : polycarbonate diffuser and cable gland						
18W	PAS100 12H830 PO 113 SA	4160 0050		1850	708	1,8
35W	PAS100 14H830 PO 113 SA	4160 0020		3700	1318	3,3
52W	PAS100 16H830 PO 113 SA	4160 0040		5550	1850	4,9
AGRI-FOOD : polycarbonate/PMMA diffuser and disconnectable plug						
18W	PAS100 12H830 POME PS3 SA	4160 0100		1850	708	2,1
35W	PAS100 14H830 POME PS3 SA	4160 0070		3700	1318	3,6
52W	PAS100 16H830 POME PS3 SA	4160 0090		5550	1850	5,2

OPTIONS

DESCRIPTION	OPTION CODE	DESCRIPTION	OPTION CODE
DIFFUSER			
Agri-food and outdoor lighting :			
Coextruded polycarbonate/PMMA diffuser	POME		
CABLE ENTRIES			
1 or 2 cable glands in black polyamide			
Ø cable: 5 to 12mm	113/213		
Ø cable: 7 to 14mm	116/216		
1 or 2 cable glands in nickel-coated brass			
Ø cable: 5 to 14mm	113LN/213LN		
DISCONNECTABLE PLUG			
Straight IP68 plug with an aluminium threaded ring:			
3 pole connectors	PS3		
3 pole connectors (with dimmable LED driver)	PS5		
GEAR UNITS			
		Dimmable LED driver (DALI protocol)	RD
FINISHINGS			
		End caps and fixing straps in 316L stainless steel	MR
FIXINGS			
		Reinforced bolt-fitted fixing straps	BRS
		Fixing straps with HSHC screw*	BAV
		Fixing straps reinforced with HSHC screw*	BRV
		(*Tamper-resistant Torxs screw on request)	
ACCESSORIES			
		Protective covers	
		Fixing for columns	
		Upstand kits	

Option codes to be added or to replace the designation codes of main references, subject to the compatibility of options