

Tri-Proof Plus



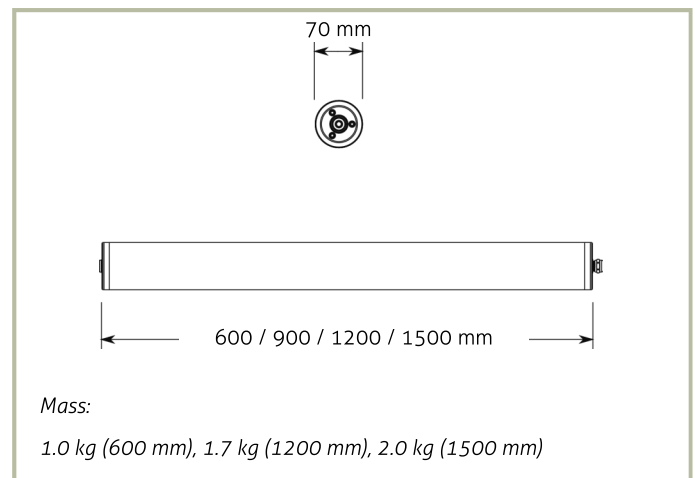
This special version of Ecopoint's Tri-Proof is intended for use in environments where protection against a range of chemical agents or extra hygiene features are required. A construction of 316-grade stainless steel and PMMA provides resistance to many agents which polycarbonate is susceptible to, such as diesel, petrol, and a range of acids. A polycarbonate option is also available if impact resistance is more important than chemical resistance. It has an easy-clean round profile, the ability to surface-mount or suspend, and the flexibility to 'aim' the luminaire by rotation within the brackets.

Key applications: Industrial environments; e.g. workshop, manufacturing, carwash etc.

GENERAL SPECIFICATIONS:

Power Factor	≥ 0.93 (230V)
Electrical Input	220-240 V / 50-60 Hz
Dimming Options	On request
Colour Temperatures	4000K (3000K, 5000K, 6500K opt.)
Colour Rendering Index	Ra ≥ 80
Operating Temperatures	- 20 to 40 deg. C
Construction	PMMA or PC 'body', 316 SS brackets
Ingress Protection	IP67 + IP69K
Impact Protection	IK09 (PMMA) / IK10 (PC)
Warranty	3 years (PMMA) / 5 years (PC)

DIMENSIONS:



MODELS

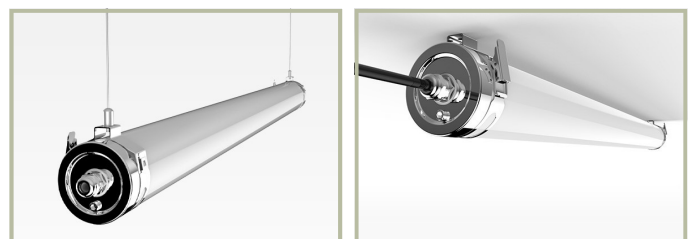
Product Code	Description	Size	Power	Flux*
ETP600S20W840-PM ETP600S20W840-PC	Tri-proof Plus, 600 mm, 4000K, 20W, PMMA diffuser Tri-proof Plus, 600 mm, 4000K, 20W, PC diffuser	600 x 70 mm (dia.)	20W	2,240 lm
ETP900S30W840-PM ETP900S30W840-PC	Tri-proof Plus, 900 mm, 4000K, 30W, PMMA diffuser Tri-proof Plus, 900 mm, 4000K, 30W, PC diffuser	900 x 70 mm (dia.)	30W	3,340 lm
ETP1200S36W840-PM ETP1200S36W840-PC	Tri-proof Plus, 1200 mm, 4000K, 36W, PMMA diffuser Tri-proof Plus, 1200 mm, 4000K, 36W, PC diffuser	1200 x 70 mm (dia.)	36W	4,300 lm
ETP1500S48W840-PM ETP1500S48W840-PC	Tri-proof Plus, 1500 mm, 4000K 48W, PMMA diffuser Tri-proof Plus, 1500 mm, 4000K 48W, PC diffuser	1500 x 70 mm (dia.)	48W	5,810 lm

Notes:

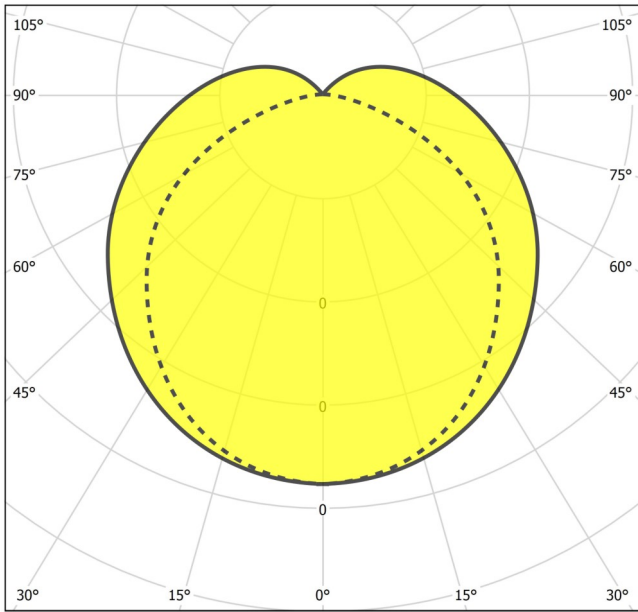
* Flux values shown here refer to 4000K specification with frosted diffuser; clear diffuser yields approx. 10 lm/W higher flux.

ACCESSORIES

Accessory	Description
Suspension kit	Pair of stainless steel cables with ceiling fixings (connection to supplied brackets at luminaire)
Mounting brackets	Spare set (2 pcs) of stainless steel mounting brackets (1 set included as standard)



LIGHT DISTRIBUTION:



cd/klm

600mm, 20W, Frosted Diffuser

Note: Polar curves shown here relate to specific 20W 4000K version; however, distribution is indicative of the performance of all wattage and colour temperature variants in the range.

RESISTANCE TO CHEMICALS/COMPOUNDS:

Choose PMMA model for...	Choose PC model for...
Acetic Acid (up to 10%), Aluminium Sulphate, Ammonia (up to 5%), Arsenic acid (up to 20%), Calcium chloride/nitrate, Caustic potash (up to 5%), Cement, Hydrochloric acid (up to 5%), Citric acid (up to 20%), Copper sulphate, Diesel-Naphta oil, Food oils/fats, Formic acid (up to 10%), Glycerine, Hexane, Iodine, Iron chloride, Lubricating oil, Magnesium sulphate, Mineral oils, Nitric acid (up to 20%), Oxygen, Ozone, Petrochloric acid (up to 10%), Petrol, Potassium bromide/nitrate/permanganate, Soda bleach (up to 15%), Sodium chloride/hydroxide (up to 5%)/sulphate, Sugar, Sulphur, Sulphuric acid (up to 30%), Zinc sulphate	Acetic Acid (up to 10%), Alcoholic beverages, Aluminium Sulphate, Arsenic acid (up to 20%), Calcium chloride/nitrate, Cement, Hydrochloric acid (up to 5%), Citric acid (up to 20%), Copper sulphate, Ethyl alcohol (up to 30%), Formic acid (up to 10%), Glycerine, Hexane, Iron chloride, Lubricating oil, Magnesium sulphate, Mineral oils, Nitric acid (up to 20%), Oxygen, Ozone, Petrochloric acid (up to 10%), Potassium bromide/nitrate/permanganate, Silicon oils, Sodium chloride/sulphate, Sugar, Sulphur, Sulphuric acid (up to 30%), Zinc sulphate
With caution: Alcoholic beverages, Chromic acid, Ethyl alcohol (up to 30%), Isopropyl alcohol, Methanol, Silicon oils	With caution: Chromic acid, Diesel-Naphta oil, Isopropyl alcohol, Nitric acid (up to 20%)
Avoid: Acetone, Aniline, Benzene, Benzyl alcohol, Bromine, Carbon tetrachloride, Carbonic acid, Chlorine liquids (vapours), Chloroform, Ethyl chloride, Ethyl ether, Phenol, Toluene, Trichloroethylene	Avoid: Acetone, Aniline, Ammonia, Benzene, Benzyl alcohol, Bromine, Carbon tetrachloride, Carbonic acid, Caustic potash, Chlorine liquids (vapours), Chloroform, Ethyl chloride, Ethyl ether, Food oils/fats, Iodine, Methanol, Petrol, Phenol, Soda bleach, Sodium hydroxide, Toluene, Trichloroethylene

Warning: The information in this table has been compiled from third-party sources and is to be used ONLY as a guide in selecting luminaires for appropriate chemical compatibility. It is recommended to test the luminaire with the specific chemicals and conditions of your application since variations in temperature, pressure and concentrations can cause failure despite resistance under normal circumstances.

LUMEN MAINTENANCE:

Model	L70	L80	L90	Ambient Temp.
Tri-proof Plus (all models, B10 basis)	76,000 hrs	50,000 hrs	25,000 hrs	25° C
Tri-proof Plus (all models, B50 basis)	86,000 hrs	57,000 hrs	28,000 hrs	25° C

Lumen maintenance values have been calculated using TM21 methods, based on LM80 data and ISTMT data while operating in the specified ambient conditions. LM80 data covers 6,000 hours, so predictions beyond 36,000 hours are outside of TM21 reporting guidelines, and are provided here for indicative purposes only.