

GE
Lighting

Traditional Indoor Luminaires



GE imagination at work

www.gelighting.com

Choosing the right fitting

For industrial and commercial environments, the use of appropriate illumination systems is essential for profitable growth, greater safety in the workplace, improved productivity and reduced error and reject rates. The design of the „most appropriate illumination system“ is not limited to easily quantifiable aspects (energy savings, efficacy, etc.), but must also pay heed to qualitative aspects, such as visual comfort and the appearance of the installation.



-  Office
-  Education
-  Retail
-  Hospitality
-  Industrial
-  Car Park
-  Home
-  Healthcare



Quality and technology

Top quality techniques and advanced technology for best results

GE Lighting constantly works on new technology and new top quality products. Registered licensed international institutions support GE in the testing process. Every year the Company invests significant capital for in-house research and development to meet customers' needs and expectations. From the planning to the final product, GE Lighting tests safety, performance and quality in its laboratories. Tests are in accordance with domestic and international laws and laboratory equipment is chosen to provide complete reliability of results.

Certifications

Products and systems in accordance with high quality standards

ConstantColor™ Ceramic Metal Halide (CMH) lighting offers a high quality light source for a wide range of applications.

Available in Single Ended, Double Ended, Supermini, MR16 and reflector variations.

UNI EN ISO 9001

GE Lighting's quality system is certified to UNI EN ISO 9001 since 1997.

ISO 14001

In June 2000 GE Lighting was awarded ISO 14001 Certificate.

ISO 16949

 GE Lighting's quality system is in compliance with the standard ISO 16949 certificate.

All GE Lighting products carry CE mark: an EU declaration of conformity that allows free circulation in the European market. Applicable Directives to lighting fittings are: Low Voltage Directive (LVD) 2006/95/EC and Electromagnetic Compliance (EMC) Directive 2004/108/EC.



Most of our lighting fittings and their components have been granted free circulation by ENEC Mark Licence (European Norms Electrical Certification).

ENEC is the European certification mark of conformity to the standards EN for the luminaires and their components instituted within Cenelec by 20 European organizations of electric certification for the mutual acknowledgement of a single mark. On the side of the ENEC Mark is specified the country that issued the certification. The ENEC mark is based on the application of the following principles:

- The manufacturer must have a firm quality system certified UNI EN ISO 9001.
- The product is inspected during production.
- The product is submitted for final approval.



Surface mounted

 Mariner 5 Wattage: 14-80W Voltage: 220-240V Page 5	 Mariner N Wattage: 18-58W Voltage: 220-240V Page 7	 Mariner MASP Wattage: 35-80W Voltage: 220-240V Page 11
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Surface and wall mounted

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Wall mounted

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Recessed

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Suspended

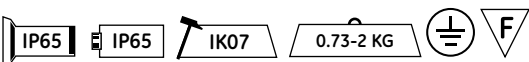
 NPP T5 Wattage: 14-80W Voltage: 220-240V Page 41	 NPP T8 Wattage: 18-58W Voltage: 220-240V Page 47	 NAL System Wattage: 4.5W Voltage: 220-240V Page 53
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High-bay Low-bay

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Traditional Indoor Luminaires

Mariner 5



Standard surface mounted waterproof luminaire created for T5 lamps and fitted with an electronic ballast. A slim profile luminaire, it is supplied in single and twin lamp versions. IP65 rated, it is designed to provide protection against contamination from water or accidental damage. Neutral aesthetic renders the product suitable for applications in both commercial and residential environments as well as industrial environments.

Structures and materials

- **Body:** impact-resistant, self-extinguishing polycarbonate.
- **Colour:** grey.
- **Clips:** high resistant polycarbonate.

Optics

- **Diffuser:** shockproof safety diffuser in polycarbonate.
- **Reflector:** white painted steel.

Electrical and gear compartment

- 220-240V/50-60Hz warm start electronic ballast.
- Wiring connector with 2.5mm² clamp screws.

Maintenance

- Replace light source by removing diffuser.

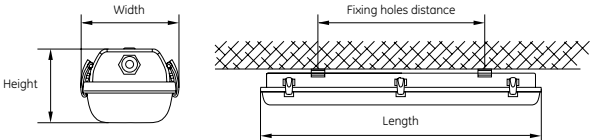
Accessories

- Accessories are not available.

Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]



Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
14W				
1x F14 T5	610	375	80	62
2x F14 T5	610	375	80	104
28W				
1x F28 T5	1210	799	80	62
2x F28 T5	1210	799	80	104
35W				
1x F35 T5	1510	960	80	62
2x F35 T5	1510	960	80	104
49W				
1x F49 T5	1510	960	80	62
2x F49 T5	1510	960	80	104
54W				
1x F54 T5	1210	799	80	62
1x F54 T5	1210	799	80	104
80W				
1x F80 T5	1510	960	80	62

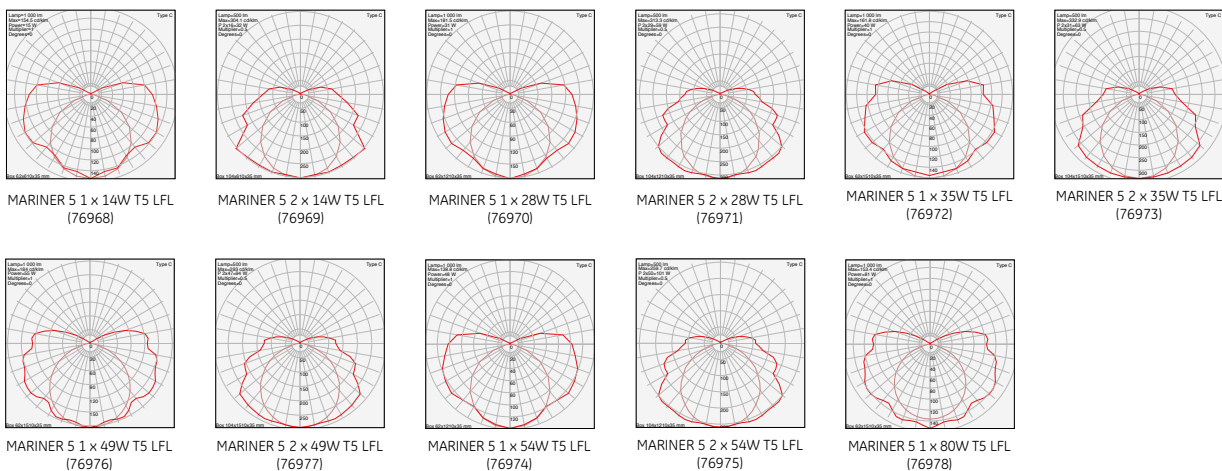
Mariner 5 specification

Mounting type	Surface mounted
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

Surface mounted



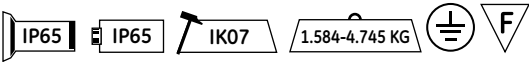
Photometric data



Mariner 5 product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 14W	NL MARINER 5 114T5EB R LL 220-240 GE	A+ - A	1x14W T5 LFL	N	-	0,73	Electronic	N	1	Grey	220-240V	IP65	76968
2 x 14W	NL MARINER 5 214T5EB R LL 220-240 GE	A+ - A	2x14W T5 LFL	N	-	1,00	Electronic	N	1	Grey	220-240V	IP65	76969
1 x 28W	NL MARINER 5 128T5EB R LL 220-240 GE	A+ - A	1x28W T5 LFL	N	-	1,18	Electronic	N	1	Grey	220-240V	IP65	76970
2 x 28W	NL MARINER 5 228T5EB R LL 220-240 GE	A+ - A	2x28W T5 LFL	N	-	1,70	Electronic	N	1	Grey	220-240V	IP65	76971
1 x 35W	NL MARINER 5 135T5EB R LL 220-240 GE	A+ - A	1x35W T5 LFL	N	-	1,38	Electronic	N	1	Grey	220-240V	IP65	76972
2 x 35W	NL MARINER 5 235T5EB R LL 220-240 GE	A+ - A	2x35W T5 LFL	N	-	2,00	Electronic	N	1	Grey	220-240V	IP65	76973
1 x 54W	NL MARINER 5 154T5EB R LL 220-240 GE	A+ - A	1x54W T5 LFL	N	-	1,19	Electronic	N	1	Grey	220-240V	IP65	76974
2 x 54W	NL MARINER 5 254T5EB R LL 220-240 GE	A+ - A	2x54W T5 LFL	N	-	1,7	Electronic	N	1	Grey	220-240V	IP65	76975
1 x 49W	NL MARINER 5 149T5EB R LL 220-240 GE	A+ - A	1x49W T5 LFL	N	-	1,40	Electronic	N	1	Grey	220-240V	IP65	76976
2 x 49W	NL MARINER 5 249T5EB R LL 220-240 GE	A+ - A	2x49W T5 LFL	N	-	2,01	Electronic	N	1	Grey	220-240V	IP65	76977
1 x 80W	NL MARINER 5 180T5EB R LL 220-240 GE	A+ - A	1x80W T5 LFL	N	-	1,45	Electronic	N	1	Grey	220-240V	IP65	76978

Mariner N



Standard surface mounted / suspended waterproof fittings created for T8 lamps. Fitted with electronic and magnetic ballast as standard. Slim profile luminaire, supplied in single and twin lamp versions for installations. IP65 rated, where effective protection against contamination from water or accidental damage are major considerations for the end-user. Neutral aesthetics render the product suitable for applications in both commercial and residential environments as well as industrial environments.

Structures and materials

- **Body:** Impact-resistant, self-extinguishing polycarbonate.
- **Colour:** Grey.
- **Clips:** High resistant polycarbonate as standard. Available in stainless steel version as accessories.

Optics

- **Diffuser:** robust, transparent, self-extinguishing polycarbonate. Prismatic on the inside. Smooth external surface for easy cleaning.
- **Reflector:** white powder coated steel sheet. Used to support ballast wire. Hooks to its own mounting if maintenance is required.

Electrical and gear compartment

- **Magnetic ballast:** 230V 50Hz with fireproof wires.
- **Electronic ballast:** 220-240V/50-50Hz warm start with wiring connector with 2.5mm² clamp screws.

Maintenance

- Replace light source by removing diffuser.

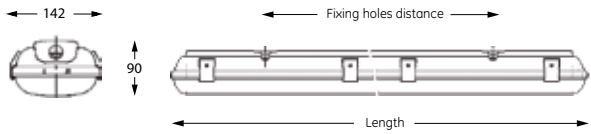
Lamp

- Luminaire is supplied without lamp.

Accessories

- More accessories are available (diffusers, metal-plastic clips and connection kits for surface/suspended fixing). All of them are supplied with luminaire, except metal clips.

Dimensions [mm]



Type	Length (mm)	Fixing hole (mm)
MARN 36W		
MARN 1x36	1270	900
MARN 2x36	1270	900
MARN 58W		
MARN 1x58	1570	900
MARN 1x58	1570	900



Retail

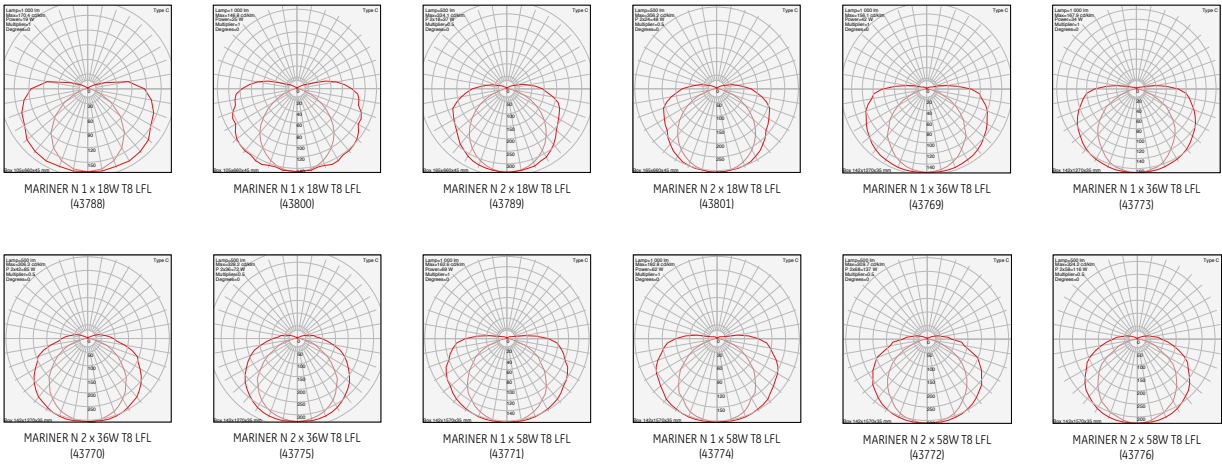


Industrial



Car Park

Photometric data



Mariner N Specification

Mounting type	Surface mounted / Suspended
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

Traditional Indoor Luminaires

Surface mounted

Mariner N product list

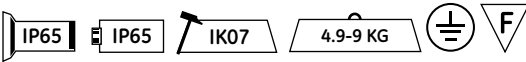
Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight (kg)	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
2 x 18W	NL@MARINER MARP218HEES LL 230 GE	A	2x18W T8 LFL	N	-	2,4	Magnetic	for 1 hour	1	Grey	230V	IP65	43787
1 x 18W	NL MARINER MARP118EB LL 230 GE	A	1x18W T8 LFL	N	-	1,60	Electronic	N	1	Grey	230V	IP65	43788
2 x 18W	NL MARINER MARP218EB LL 230 GE	A	T8 LFL 18W	N	-	2,4	Electronic	N	1	Grey	230V	IP65	43789
1 x 18W	NL@MARINER MARP118EESONLY LL 230 GE	A	1x18W T8 LFL	N	-	1,60	Magnetic	N	1	Grey	230V	IP65	43792
2 x 18W	NL@MARINER MARP218EBEES LL 230 GE	A	T8 LFL 18W	N	-	1,584	Electronic	for 1 hour	1	Grey	230V	IP65	43793
1 x 18W	NL@MARINER MARP118H LL 230 GE	A	1x18W T8 LFL	N	-	1,60	Magnetic	N	1	Grey	230V	IP65	43800
2 x 18W	NL@MARINER MARP218H LL 230 GE	A	T8 LFL 18W	N	-	2,4	Magnetic	N	1	Grey	230V	IP65	43801
1 x 36W	NL@MARINER MARN136H R LL 230 GE	A	T8 LFL 36W	N	-	2,29	Magnetic	N	1	Grey	230V	IP65	43769
2 x 36W	NL@MARINER MARN236H R LL 230 GE	A	T8 LFL 36W	N	-	2,85	Magnetic	N	1	Grey	230V	IP65	43770
1 x 58W	NL@MARINER MARN158H R LL 230 GE	A	1x58W T8 LFL	N	-	3,05	Magnetic	N	1	Grey	230V	IP65	43771
2 x 58W	NL@MARINER MARN258H R LL 230 GE	A	1x58W T8 LFL	N	-	3,95	Magnetic	N	1	Grey	230V	IP65	43772
1 x 36W	NL MARINER MARN136EB R LL 230 GE	A	T8 LFL 36W	N	-	1,96	Electronic	N	1	Grey	230V	IP65	43773
1 x 58W	NL MARINER MARN158EB R LL 230 GE	A	1x58W T8 LFL	N	-	2,29	Electronic	N	1	Grey	230V	IP65	43774
2 x 36W	NL MARINER MARN236EB R LL 230 GE	A	T8 LFL 36W	N	-	2,03	Electronic	N	1	Grey	230V	IP65	43775
2 x 58W	NL MARINER MARN258EB R LL 230 GE	A	2x58W T8 LFL	N	-	2,479	Electronic	N	1	Grey	230V	IP65	43776
1 x 36W	NL@MARINER MARN136EBES R LL 230 GE	A	T8 LFL 36W	N	-	2,75	Magnetic	for 1 hour	1	Grey	230V	IP65	43777
1 x 58W	NL@MARINER MARN158EES R LL 230 GE	A	1x58W T8 LFL	N	-	3,71	Magnetic	for 1 hour	1	Grey	230V	IP65	43778
2 x 36W	NL@MARINER MARN236HEES R LL 230 GE	A	T8 LFL 36W	N	-	3,34	Magnetic	for 1 hour	1	Grey	230V	IP65	43779
2 x 58W	NL@MARINER MARN258EES R LL 230 GE	A	2x58W T8 LFL	N	-	4,75	Magnetic	for 1 hour	1	Grey	230V	IP65	43780
1 x 36W	NL MARINER MARN136EBES R LL 230 GE	A	T8 LFL 36W	N	-	2,75	Electronic	for 1 hour	1	Grey	230V	IP65	43781
1 x 58W	NL @MARINER MARN158EBEES R LL 230 GE	A	1x58W T8 LFL	N	-	3,71	Electronic	for 1 hour	1	Grey	230V	IP65	43782
2 x 36W	NL MARINER MARN236EBEES R LL 230 GE	A	T8 LFL 36W	N	-	2,63	Electronic	for 1 hour	1	Grey	230V	IP65	43783
2 x 58W	NL MARINER MARN258EBEES R LL 230 GE	A	2x58W T8 LFL	N	-	4,75	Electronic	for 1 hour	1	Grey	230V	IP65	43784
2 x 58W	NL@MARINER MARN 258H R MC LL 230 GE	A	2x58W T8 LFL	N	-	4,44	Magnetic	N	1	Grey	230V	IP65	74388
2 x 58W	NL@MARINER MARN 258EB R MC LL 230 GE	A	2x58W T8 LFL	N	-	2,509	Magnetic	N	1	Grey	230V	IP65	75012
2 x 54W	NL_MARINER MARN254T5EB R CWL 840 230 GE	A+ - A	2x54W T5 LFL	Y	A+	2,3	Electronic	N	1	Grey	230V	IP65	14028
1 x 28W	NL@MARINER MARN128T5EB R CWL 840 230 GE	A+ - A	1x28W T5 LFL	Y	A+	1,892	Electronic	N	1	Grey	230V	IP65	43752
1 x 54W	NL@MARINER MARN154T5EB R CWL 840 230 GE	A+ - A	1x54W T5 LFL	Y	A+	1,892	Electronic	N	1	Grey	230V	IP65	43753
1 x 35W	NL@MARINER MARN135T5EB R CWL 840 230 GE	A+ - A	1x35W T5 LFL	Y	A+	2,405	Electronic	N	1	Grey	230V	IP65	43754
1 x 49W	NL@MARINER MARN149T5EB R CWL 840 230 GE	A+ - A	1x49W T5 LFL	Y	A+	2,405	Electronic	N	1	Grey	230V	IP65	43755
1 x 80W	NL@MARINER MARN180T5EB R CWL 840 230 GE	A+ - A	1x80W T5 LFL	Y	A	2,405	Electronic	N	1	Grey	230V	IP65	43757
2 x 28W	NL@MARINER MARN228T5EB R CWL 840 230 GE	A+ - A	2x28W T5 LFL	Y	A+	2,037	Electronic	N	1	Grey	230V	IP65	43758
2 x 54W	NL@MARINER MARN254T5EB R CWL 840 230 GE	A+ - A	2x54W T5 LFL	Y	A+	2,037	Electronic	N	1	Grey	230V	IP65	43759
2 x 35W	NL@MARINER MARN235T5EB R CWL 840 230 GE	A+ - A	2x35W T5 LFL	Y	A+	2,479	Electronic	N	1	Grey	230V	IP65	43766
2 x 49W	NL@MARINER MARN249T5EB R CWL 840 230 GE	A+ - A	2x49W T5 LFL	Y	A+	2,479	Electronic	N	1	Grey	230V	IP65	43767
2 x 80W	NL@MARINER MARN280T5EB R CWL 840 230 GE	A+ - A	2x80W T5 LFL	Y	A	2,479	Electronic	N	1	Grey	230V	IP65	43768
1 x 18W	NL@MARINER MARP118HBP LL 230 GE	A	1x18W T8 LFL	N	N/A	1,60	Magnetic	N	1	Grey	230V	IP65	43790
2 x 18W	NL@MARINER MARP218HBP LL 230 GE	A	2x18W T8 LFL	Y	A	2,400	Magnetic	N	1	Grey	230V	IP65	43791
1 x 36W	MARINER MARN136EB R LL 230 GE 43773	A	1x36W T8 LFL	N	N/A	1,96	Electronic	N	1	Grey	230V	IP65	528355
1 x 54W	NL@MARINER MARN154T5EB R MC CWL 230 GE	A+ - A	1x54W T5 LFL	Y	A+	1,917	Electronic	N	1	Grey	230V	IP65	74392
2 x 28W	NL@MARINER MARN228T5EB R MC CWL 230 GE	A+ - A	2x28W T5 LFL	Y	A+	2,062	Electronic	N	1	Grey	230V	IP65	74393
2 x 54W	NL@MARINER MARN254T5EB R MC CWL 230 GE	A+ - A	2x54W T5 LFL	Y	A	2,062	Electronic	N	1	Grey	230V	IP65	74394

Mariner N Accessories

Product code	Picture	Description	1 x 18	1 x 18	1 x 36	2 x 36	1 x 58	2 x 58
			43788 43792 43800	43788 43792 43800	43769 43773 43781	43770 43775 43779 43783	43771 43774 43778 43782	43772 43776 43780 43784
44124		Rapid connection kit for suspended fixing - Spare part NL RAPIDKIT BAG 2PCS GE	•	•				
44120		Connection kit for suspended fixing - Spare part NL MARINER ACCESSORIES BAG GE	•	•				
74752		Metal clip NL MARINER METAL STS CLIPS 10PK GE			•	•		
74753		Metal clip NL MARINER METAL STS CLIPS 12PK GE					•	•
44116		Rapid connection kit for surface mounting - Spare part NL MARINER PLUS NEW RAPIDKIT 2 PCS GE			•	•	•	•
44117		Plastic clip - Spare part NL MARINER PLUS CLIPS BAG 36W GE			•	•		
44118		Connection kit for suspended fixing - Spare part NL MARINER PLUS ACCESSORY BAG GE			•	•	•	•
44121		Plastic clip - Spare part NL MARINER CLIPS BAG 18W GE	•	•				
44262		Diffuser - Spare part NL MARINER DIFFUSER MARP118 GE	•					
44265		Diffuser - Spare part NL MARINER DIFFUSER MARP218 GE		•				
44268		Diffuser - Spare part NL MARINER PLUS DIFFUSER 136-236 GE			•	•		
44269		Diffuser - Spare part NL MARINER PLUS DIFFUSER 158-258 GE					•	•
45552		Plastic clip - Spare part NL MARINER PLUS CLIPS BAG 58W GE					•	•

* supplied with metal clips

Mariner MASP



Surface mounted / suspended waterproof luminaires for T5 and T8 fluorescent lamps. Ideal for higher height applications. Proper protection against contamination from water and accidental abuse. Best for humid and/or dusty environments.

Structures and materials

- **Body:** Robust polycarbonate, freon free, expanded polyurethane foam seal. D 21mm cable tray system, with tear-proof cable gland for 6-12mm diameter wires and two nylon-reinforced suspension hangers.
- **Colour:** Grey.
- **Diffuser:** Robust transparent Lexan® polycarbonate; UV-stabilized, anti-yellowing, injection-moulded, perfectly smooth for best downlight results.
- **Reflector:** High-reflecting, phosphate, white epoxy polyester powder coated steel sheet or mirror-finished, highly reflective aluminium.
- **Clips:** Interconnected stainless-steel joints.

Electrical and gear compartment

- **Magnetic ballast:** low-loss 230V 50Hz with fireproof wires. HPF ballast with incorporated discharge resistance capacitor, three pole connector with fuse, screw terminals for conductors up to 2.5mm².
- **Electronic ballast:** 220-240V 50-60Hz warm start, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².

Installation methods

- 1 Surface mounting with supplied gaskets or RAPIDKIT (not supplied) for fast installation.
- 2 Suspension mounting including two suspension hangers (supplied).
- 3 NAL channel with NAL 1023 (not supplied) and RAPIDKIT (not supplied).

Accessories

- More accessories are available (diffusers, metal-plastic clips and connection kits for suspended fixing).

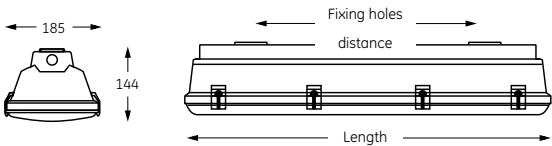
Lamp

- MASP T5 complete with GE T5 lamps. MASP T8 luminaire is supplied without lamp. More details under product list.

Maintenance

- Replace light source by removing diffuser.

Dimensions [mm]



Type	Length L (mm)	Fixing hole D (mm)
MARINER MASP T5		
35W		
MASP 1x35W	1570	1200
MASP 2x35W	1570	1200
49W		
MASP 1x49W	1570	1200
MASP 2x49W	1570	1200
80W		
MASP 1x80W	1570	1200
MASP 2x80W	1570	1200
MARINER MASP T8		
58W		
MASP 1x58W	1570	1200
MASP 2x58W	1570	1200



Retail

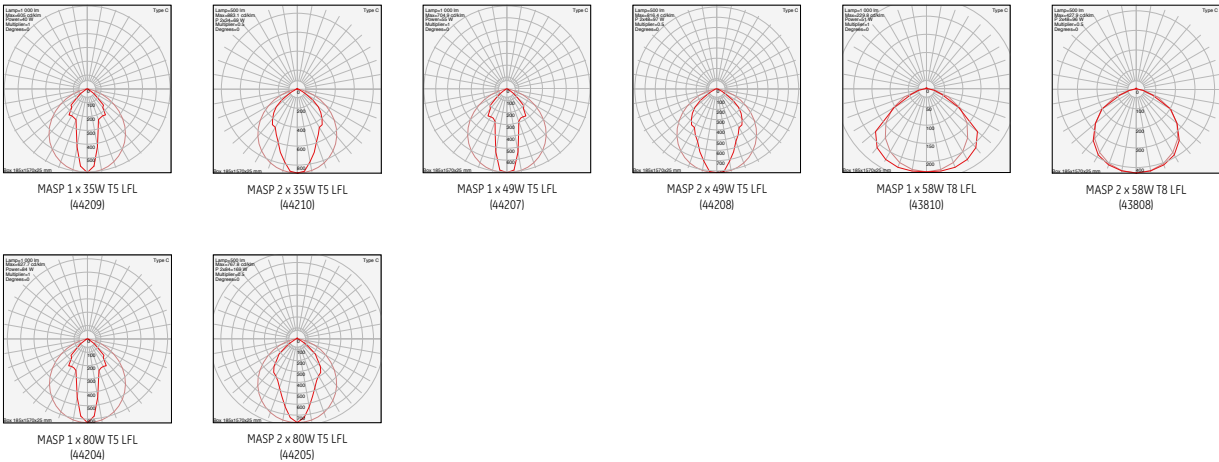


Industrial



Car Park

Photometric data



MASP Specification

Mounting type	Surface fixed / Suspended
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

Traditional Indoor Luminaires

Surface mounted

MASP product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 58W	NL@MARINER MASP158H LL 230 GE	A	1x58W T8 LFL	N	-	9	Magnetic	N	1	Grey	230V	IP65	43802
2 x 58W	NL@MARINER MASP258H LL 230 GE	A	2x58W T8 LFL	N	-	9	Magnetic	N	1	Grey	230V	IP65	43803
1 x 58W	NL@MARINER MASP158HAL LL 230 GE	A	1x58W T8 LFL	N	-	9	Magnetic	N	1	Grey	230V	IP65	43804
2 x 58W	NL@MARINER MASP258HAL LL 230 GE	A	2x58W T8 LFL	N	-	9	Magnetic	N	1	Grey	230V	IP65	43807
2 x 58W	NL MARINER MASP258EB LL 230 GE	A	2x58W T8 LFL	N	-	9	Electronic	N	1	Grey	230V	IP65	43808
2 x 58W	NL@MARINER MASP 258 EES LL 230 GE	A	2x58W T8 LFL	N	-	9	Magnetic	for 1 hour	1	Grey	230V	IP65	43809
1 x 58W	NL MARINER MASP158EB LL 230 GE	A	1x58W T8 LFL	N	-	9	Electronic	N	1	Grey	230V	IP65	43810
1 x 58W	NL@MARINER MASP158EES LL 230 GE	A	1x58W T8 LFL	N	-	9	Magnetic	for 1 hour	1	Grey	230V	IP65	43811
1 x 58W	NL MARINER MASP158ALEB LL 230 GE	A	1x58W T8 LFL	N	-	4.9	Electronic	N	1	Grey	230V	IP65	43812
2 x 58W	NL MARINER MASP258ALEB LL 230 GE	A	2x58W T8 LFL	N	-	9	Electronic	N	1	Grey	230V	IP65	43813
1 x 58W	NL@MARINER MASP158ALEES LL 230 GE	A	1x58W T8 LFL	N	-	9	Magnetic	for 1 hour	1	Grey	230V	IP65	43814
2 x 58W	NL@MARINER MASP258ALEEES LL 230 GE	A	2x58W T8 LFL	N	-	9	Magnetic	for 1 hour	1	Grey	230V	IP65	43815
1 x 80W	NL MARINER MASP180T5EB CWL GE	A+ - A	1x80W T5 LFL	Y	A	9	Electronic	N	1	Grey	230V	IP65	44204
2 x 80W	NL MARINER MASP280T5EB CWL GE	A+ - A	2x80W T5 LFL	Y	A	9	Electronic	N	1	Grey	230V	IP65	44205
1 x 49W	NL MARINER MASP149T5EB CWL GE	A+ - A	1x49W T5 LFL	Y	A+	9	Electronic	N	1	Grey	230V	IP65	44207
2 x 49W	NL MARINER MASP249T5EB CWL GE	A+ - A	2x49W T5 LFL	Y	A+	9	Electronic	N	1	Grey	230V	IP65	44208
1 x 35W	NL MARINER MASP135T5EB CWL GE	A+ - A	1x35W T5 LFL	Y	A+	9	Electronic	N	1	Grey	230V	IP65	44209
2 x 35W	NL MARINER MASP235T5EB CWL GE	A+ - A	2x35W T5 LFL	Y	A+	9	Electronic	N	1	Grey	230V	IP65	44210
2 x 49W	NL MARINER MASP249EB EES CWL 220-240V GE	A+ - A	2x49W T5 LFL	Y	A+	5,6	Electronic	for 1 hour	1	Grey	220-240V	IP65	75073
2 x 58W	NL@MARINER MASP258ALEBD LL 230 GE	A	2x58W T8 LFL	N	N/A	9	Electronic	N	1	Grey	230V	IP65	43819

MASP Accessories

			1 x 35	2 x 35	1 x 49	2 x 49	1 x 58	2 x 58	1 x 80	2 x 80
			44209	44210	44207	44208 75073	43810 43802 43804 43811 43812 43814	43808 43803 43807 43809 43813 43815	44204	44205
Product code	Picture	Description								
44124		Rapid connection kit for suspended fixing - Spare part NL RAPIDKIT BAG 2PCS GE	•	•	•	•	•	•	•	•
44120		Connection kit for suspended fixing - Spare part NL MARINER ACCESSORIES BAG GE	•	•	•	•	•	•	•	•
44123		Plastic clip - Spare part NL MARINER CLIPS BAG 58W GE					•	•		
44174		Metal clip - Spare part NL MARINER SAC GAN INOX MAS/MAXP GE	•	•	•	•	•	•	•	•
44175		Diffuser - Spare part NL MARINER MASP58DIFFUSER GE					•	•		

Mariner MAX



STAINLESS STEEL IP65 IK09 5.87-9 KG

Surface mounted waterproof fittings for T5 and T8 fluorescent lamps. MAX provides protection against contamination from water and accidental abuse. Particularly suitable for a damp environment.

Structures and materials

- Body:** Drawn stainless steel with high mechanical resistance.
- Reflector:** Steel sheet mirror-finished, highly reflective aluminium (AL). Used to support ballast wire.
- Lens:**
 - Max/V:** 4mm tempered glass for high chemical/mechanical resistance. Stainless steel frame.
 - Max/P:** robust matt finish polycarbonate; UV stabilized, anti-yellowing, injection-moulded, and perfectly smooth for best downlight results and easy cleaning.
- Clips:** Interconnected stainless-steel joints.

Electrical and gear compartment

- Magnetic ballast:** low-loss 230V 50Hz with fireproof wires. HPF ballast with incorporated discharge resistance capacitor, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².
- Electronic ballast:** 220-240V 50-60Hz warm start, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².

Installation methods

- The luminaire is supplied with tear-proof cable gland for 6-12mm diameter wires. RAPIDKIT for surface mounting must be ordered separately. Suspension mounting with supplied hanging hooks. Surface mounting with NAL channel with RAPIDKIT.

Maintenance

- Replace light source by removing diffuser.

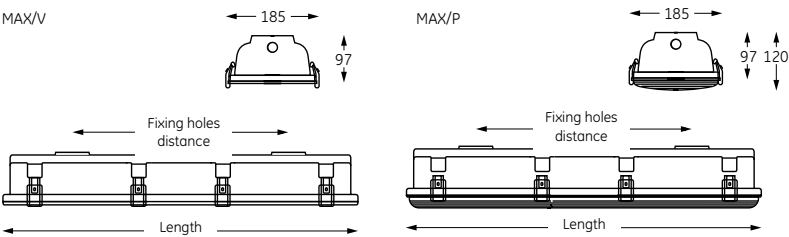
Accessories

- Further accessories are available such as diffusers and metal-plastic clips.

Lamp

- MAX T5 complete with GE T5 lamps. MAX T8 luminaire is supplied without lamp. More details can be found under the product list.

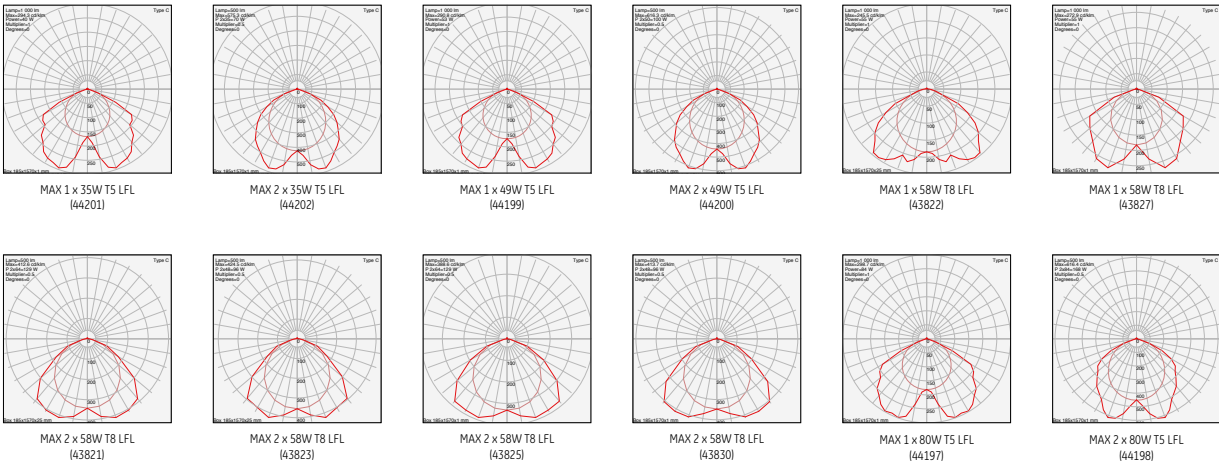
Dimensions [mm]



Type	Length (mm)	Fixing holes distance (mm)
MARINER MAX T5		
MAX 135/49/80	1570	1200
MAX 235/49/80	1570	1200
MARINER MAX T8		
MAX 158	1570	1200
MAX 258	1570	1200



Photometric data



MAX Specification

Mounting type	Surface Fixed / Suspended
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

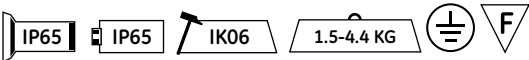
MAX product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight (kg)	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 58W	NL@MARINER MAXP158H LL 230 GE	A	1x58W T8 LFL	N	-	9,00	Magnetic	N	1	Metal	230V	IP65	43820
2 x 58W	NL@MARINER MAXP258H LL 230 GE	A	2x58W T8 LFL	N	-	9,00	Magnetic	N	1	Metal	230V	IP65	43821
1 x 58W	NL MARINER MAXP158EB LL 230 GE	A	1x58W T8 LFL	N	-	9,00	Electronic	N	1	Metal	230V	IP65	43822
2 x 58W	NL MARINER MAXP258EB LL 230 GE	A	2x58W T8 LFL	N	-	9,00	Electronic	N	1	Metal	230V	IP65	43823
1 x 58W	NL@MARINER MAXV158H LL 230 GE	A	1x58W T8 LFL	N	-	9,00	Magnetic	N	1	Metal	230V	IP65	43824
2 x 58W	NL@MARINER MAXV258H LL 230 GE	A	2x58W T8 LFL	N	-	8,4	Magnetic	N	1	Metal	230V	IP65	43825
1 x 58W	NL MARINER MAXV158EB LL 230 GE	A	1x58W T8 LFL	N	-	6,56	Electronic	N	1	Metal	230V	IP65	43827
2 x 58W	NL MARINER MAXV258EB LL 230 GE	A	2x58W T8 LFL	N	-	5,87	Electronic	N	1	Metal	230V	IP65	43830
1 x 58W	NL@MARINER MAXV158HEES LL 230 GE	A	1x58W T8 LFL	N	-	9,00	Magnetic	For 1 hour	1	Metal	230V	IP65	43831
2 x 58W	NL@MARINER MAXV258HEES LL 230 GE	A	2x58W T8 LFL	N	-	9,00	Magnetic	For 1 hour	1	Metal	230V	IP65	43832
1 x 80W	NL MARINER MAX180T5EB CWL GE	A+ - A	1x80W T5 LFL	Y	A	9,00	Electronic	N	1	Metal	230V	IP65	44197
2 x 80W	NL MARINER MAX280T5EB CWL GE	A+ - A	2x80W T5 LFL	Y	A	9,00	Electronic	N	1	Metal	230V	IP65	44198
1 x 49W	NL MARINER MAX149T5EB CWL GE	A+ - A	1x49W T5 LFL	Y	A+	9,00	Electronic	N	1	Metal	230V	IP65	44199
2 x 49W	NL MARINER MAX249T5EB CWL GE	A+ - A	2x49W T5 LFL	Y	A+	9,00	Electronic	N	1	Metal	230V	IP65	44200
1 x 35W	NL MARINER MAX135T5EB CWL GE	A+ - A	1x35W T5 LFL	Y	A+	9,00	Electronic	N	1	Metal	230V	IP65	44201
2 x 35W	NL MARINER MAX235T5EB CWL GE	A+ - A	2x35W T5 LFL	Y	A+	9,00	Electronic	N	1	Metal	230V	IP65	44202

MAX Accessories

Product code	Picture	Description	MAXV	MAXP	MAX	58W
			43827	43822	44197	43822
			43824	43820	44198	43827
			43831	43821	44199	43820
			43825	43823	44200	43824
			43830		44201	43831
			43832		44202	43821
44115		Glass diffuser NL MARINER MAXV GLASS SPARE GE	•	•	•	•
44125		Metal clip NL MAX STAINLESS STEEL CLIPS BAG GE	•			
44174		Metal clip NL MARINER SAC GAN INOX MAS/MAXP GE		•		
44175		Diffuser NL MARINER MASP58DIFFUSER GE				•

Mariner MAC



Waterproof luminaires designed for T8 fluorescent lamps and surface mounted or suspended applications. Particularly suitable for damp environments, including environments with a high level of dust. MAC provides complete protection against contamination from water and accidental abuse. Best for humid and/or dusty environments.

Structures and materials

- **Body:** Polycarbonate reinforced, fibreglass.
- **Lamps Holder:** Self-extinguishing polycarbonate for T8 fluorescent lamps. Ring nuts and gaskets included.
- **Reflectors:** Lamp reflector is to be snapped to the ballast cover. Ring nuts and gaskets included.
- **MAC/R:** the reflector provides concentrated intense lighting in high-ceiling environments. Good for localized lighting.
- **MAC/R AL:** mirror-finish reflector attached to fitting by stainless steel springs (included).

Electrical and gear compartment

- **Magnetic ballast:** low-loss 230V 50Hz with fireproof wires. HPF ballast with incorporated discharge resistance capacitor, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².
- **Electronic ballast:** 220-240V 50-60Hz warm start, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².

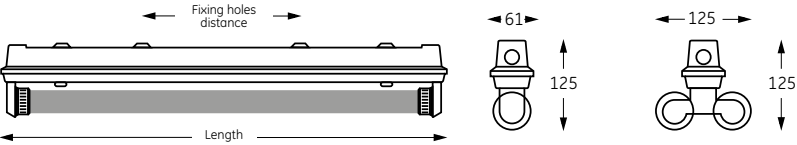
Installation methods

- 1 Surface mounting with supplied gaskets or RAPIDKIT (not supplied) for fast installation.
- 2 Suspension mounting including two suspension hangers (supplied).
- 3 NAL channel with NAL 1023 (not supplied) and RAPIDKIT (not supplied).

Maintenance

- Replace light source by removing diffuser.

Dimensions [mm]



Type	Length L (mm)	Fixing hole D (mm)
18W		
MAC 1x18W	645	500
MAC 2x18W	645	500
36W		
MAC 1x36W	1265	800
MAC 2x36W	1265	800
58W		
MAC 1x58W	1565	1200
MAC 2x58W	1565	1200

Accessories

- More accessories are available (diffusers, metal-plastic clips and connection kits for surface/suspended fixing).

Lamp

- Luminaire is supplied without lamp. More details can be found under the product list.



Retail

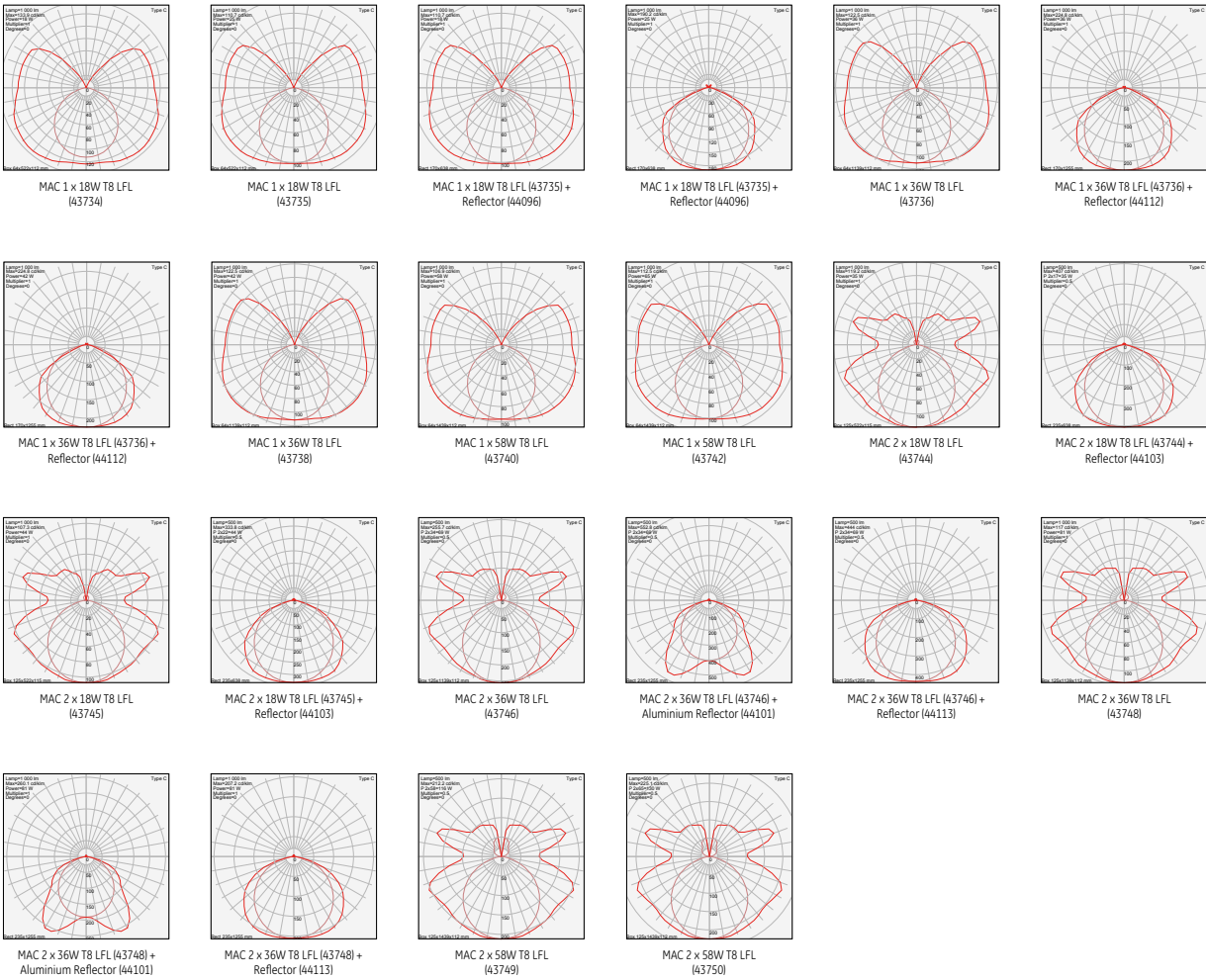


Industrial



Car Park

Photometric data



MAC product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 18W	NL MAC MAC118EB LL 230 GE	A	1x18W T8 LFL	N	-	1,6	High Frequency Electronic	N	1	Grey	220-240V	IP65	43734
1 x 18W	NL@MAC MAC118H LL 230 GE	A	1x18W T8 LFL	N	-	1,6	Magnetic	N	1	Grey	230V	IP65	43735
1 x 36W	NL MAC MAC136EB LL 230 GE	A	1x36W T8 LFL	N	-	1,8	High Frequency Electronic	N	1	Grey	220-240V	IP65	43736
1 x 36W	NL@MAC MAC136H LL 230 GE	A	1x36W T8 LFL	N	-	2,3	Magnetic	N	1	Grey	230V	IP65	43738
1 x 36W	NL@MAC MAC136HEES LL 230 GE	A	1x36WT8 LFL	N	-	2,3	Magnetic	for 1 hour	1	Grey	230V	IP65	43739
1 x 58W	NL MAC MAC158EB LL 230 GE	A	1x58W T8 LFL	N	-	2,9	High Frequency Electronic	N	1	Grey	220-240V	IP65	43740
1 x 58W	NL@MAC MAC158H LL 230 GE	A	1x58W T8 LFL	N	-	2,9	Magnetic	N	1	Grey	230V	IP65	43742
1 x 58W	NL@MAC MAC158HEES LL 230 GE	A	1x58W T8 LFL	N	-	2,9	Magnetic	for 1 hour	1	Grey	230V	IP65	43743
2 x 18W	NL MAC MAC218EB LL 230 GE	A	2x18W T8 LFL	N	-	1,8	High Frequency Electronic	N	1	Grey	220-240V	IP65	43744
2 x 18W	NL@MAC MAC218H LL 230 GE	A	2x18W T8 LFL	N	A	1,8	Magnetic	N	1	Grey	230V	IP65	43745
2 x 36W	NL MAC MAC236EB LL 230 GE	A	2x36W T8 LFL	N	-	3,8	High Frequency Electronic	N	1	Grey	220-240V	IP65	43746
2 x 36W	NL@MAC MAC236EBEES LL 230 GE	A	2x36W T8 LFL	N	-	3,8	High Frequency Electronic	for 1 hour	1	Grey	220-240V	IP65	43747
2 x 36W	NL@MAC MAC236H LL 230 GE	A	2x36W T8 LFL	N	-	3,8	Magnetic	N	1	Grey	230V	IP65	43748
2 x 58W	NL MAC MAC258EB LL 230 GE	A	2x58W T8 LFL	N	-	6,8	High Frequency Electronic	N	1	Grey	220-240V	IP65	43749
2 x 58W	NL@MAC MAC258H LL 230 GE	A	2x58W T8 LFL	N	-	4,8	Magnetic	N	1	Grey	230V	IP65	43750
2 x 58W	NL@MAC MAC258HEES LL 230 GE	A	2x58W T8 LFL	N	-	4,8	Magnetic	for 1 hour	1	Grey	230V	IP65	43751

MAC Specification

Mounting type	Surface fix / Suspended
Reflector	as accessories
Class	Class 2
Operating Temperature [°C]	25

MAC Accessories

Product code	Picture	Description	1 x 18	2 x 18	1 x 36	2 x 36	1 x 58	2 x 58
			43734 43735	43744 43745	43736 43738 43739	43746 43747 43748	43740 43742 43743	43749 43750 43751
44096		Reflector NL MAC MACR2 REFLECTOR GE	•					
44097		Aluminium Reflector NL MAC MACR2AL REFLECTOR GE	•					
44098		Aluminium Reflector NL MAC MACR4AL REFLECTOR GE			•			
44099		Aluminium Reflector NL MAC MACR5AL REFLECTOR GE					•	
44100		Aluminium Reflector NL MAC MACR22AL REFLECTOR GE		•				
44101		Aluminium Reflector NL MAC MACR24AL REFLECTOR GE				•		
44102		Aluminium Reflector NL MAC MACR25AL REFLECTOR GE						•
44103		Reflector NL MAC MACR22 REFLECTOR GE		•				
44105		Connection kit for suspended fixing NL MAC ACCESSORIES BAG GE	•	•	•	•	•	•
44107		Guard tube NL MAC MACTP2 T8 PC TUBE GE	•	•				
44108		Guard tube NL MAC MACTP4 T8 PC TUBE GE			•	•		
44110		Guard tube NL MAC MACTP5 T8 PC TUBE GE					•	•
44111		Reflector NL MAC MACR5 REFLECTOR GE					•	
44112		Reflector NL MAC MACR4 REFLECTOR GE			•			
44113		Reflector NL MAC MACR24 REFLECTOR GE				•		
44114		Reflector NL MAC MACR25 REFLECTOR GE						•

Stylo



DIFFUSER
PRISMATIC TRANSPARENT

BODY WHITE

IP40

IP40

IK02

0.66-2.9 KG

F

Wall & ceiling luminaire. Ideal for domestic and professional applications, hotels such as hotels. The small fluorescent fittings are also suitable for lighting kitchens, under-counters, shelves, bookcases and display cabinets. All models have a diffuser and switch.

Structures and materials

- Body:** Cold-rolled, phosphate white epoxy polyester powder coated steel sheet (thickness: 5/10mm). The cover snaps to the body.
- Diffuser:** Impact-resistant polycarbonate with transparent, longitudinal prismatic internal finish. It snaps to the cover.
- Lamp holder end caps and end-caps cover:** Impact-resistant polycarbonate; caps are snapped to the body.

Accessories

- Accessories are not available.

Lamp

- Luminaire is supplied with a GE T5 4000K lamp.

Dimensions [mm]



Dimensions (mm)				
Type	Length	Width	Diffuser length	Height
8W	336	37	320	54
13W	563	37	550	54
15W	485	37	330	64
18W	637	37	475	64
30W	942	37	500	64
36W	1246	37	800	64
58W	1546	37	800	64

Stylo Specification

Mounting type	Surface
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

Electrical and gear compartment

- 220-240V electronic ballast and 230V magnetic ballasts, see more details under product list section.

Installation

- Suitable for vertical or horizontal mounting surface for interior use. The body is fixed onto the mounting surface via an adjustable plastic rapid kit (horizontal or vertical). The main connection is via the domestic plug socket or connecting block.

Maintenance

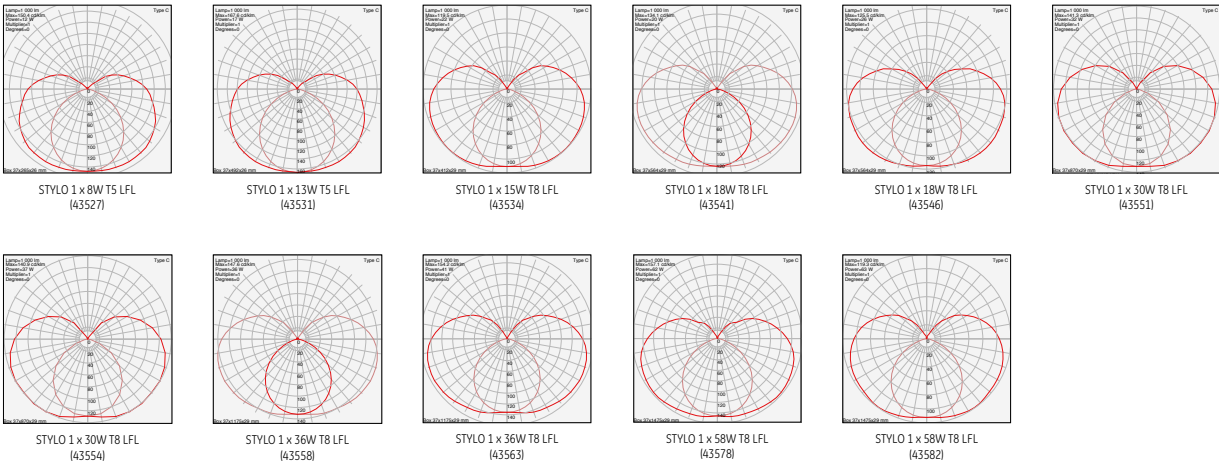
- Replace light source by removing diffuser.

Retail

Hospitality

Home

Photometric data



Stylo product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 X 8W	NL@STYLO STY108WH 33 230 GE	A - B	1x8W T5 LFL	Y	A	0,7	Magnetic	N	6	White	230V	IP40	43527
1 X 13W	NL@STYLO STY113WHL 33 230 GE	A - B	1x13W T5 LFL	Y	A	0,9	Magnetic	N	6	White	230V	IP40	43531
1 x 15W	NL@STYLO STY115WHL 33 230 GE	B	1x15W T8 LFL	Y	B	1,1	Magnetic	N	6	White	230V	IP40	43534
1 x 18W	NL STYLO STY118WHEB CWL 833 230 GE	A	1x18W T8 LFL	Y	A	1,3	Electronic	N	6	White	220-240V	IP40	43541
1 x 18W	NL@STYLO STY118WHH 33 230V GE	A	1x18W T8 LFL	Y	A	1,3	Magnetic	N	6	White	230V	IP40	43545
1 x 18W	NL@STYLO STY118WHL 33 230 GE	A	1x18W T8 LFL	Y	A	1,3	Magnetic	N	6	White	230V	IP40	43546
1 x 30W	NL STYLO STY130WHEB CWL 835 230 GE	A	1x30W T8 LFL	Y	A	1,6	Electronic	N	6	White	220-240V	IP40	43551
1 x 30W	NL@STYLO STY130WHL 33 230 GE	A	1x30W T8 LFL	Y	A	1,6	Magnetic	N	6	White	230V	IP40	43554
1 x 36W	NL STYLO STY136WHEB CWL 835 230 GE	A	1x36W T8 LFL	Y	A	1,9	Electronic	N	6	White	220-240V	IP40	43558
1 x 36W	NL@STYLO STY136WHH 33 230V GE	A	1x36W T8 LFL	Y	A	1,9	Magnetic	N	6	White	230V	IP40	43560
1 x 36W	NL@STYLO STY136WHL 33 230 GE	A	1x36W T8 LFL	Y	A	1,9	Magnetic	N	6	White	230V	IP40	43563
1 x 58W	NL STYLO STY158WHEB CWL 835 230 GE	A	1x58W T8 LFL	Y	A	2,6	Electronic	N	6	White	220-240V	IP40	43578
1 x 58W	NL@STYLO STY158WHH 33 230 GE	A	1x58W T8 LFL	Y	A	2,6	Magnetic	N	6	White	230V	IP40	43582
1 x 15W	NL@STYLO STY115WHL 33 CFL 230V GE	B	1x15W T8 LFL	Y	B	1,1	Magnetic	N	6	White	230V	IP40	43536
1 x 18W	NL@STYLO STY118WHL 33 230V IL	A	1x18W T8 LFL	Y	A	1,3	Magnetic	N	6	White	230V	IP40	43547
1 x 30W	NL@STYLO STY130WHL 33 230V IL	A	1x30W T8 LFL	Y	A	1,6	Magnetic	N	6	White	230V	IP40	43555
1 x 58W	NL@STYLO STY158WHH 33 230V GE	A	1x58W T8 LFL	Y	A	2,6	Magnetic	N	6	White	230V	IP40	43581

EuroStylo



DIFFUSER
PRISMATIC TRANSPARENT

BODY
WHITE

IP40

IP40

IK02

0.7-2.07 KG

F

EuroStylo are small fluorescent fittings for lighting under counters, kitchens, shelves, bookcases, display cabinets. All models have diffuser and switch. 7 different lengths and wattages available.

Structures and materials

- **Body:** Cold-rolled, phosphate white or black epoxy polyester powder coated steel sheet. The cover snaps to the body. Colour: White.
- **Diffuser:** Impact-resistant polycarbonate with transparent, longitudinal prismatic internal finish.
- **Reflector:** Metal reflector. High reflectance, electric-coated, white, sheet metal.

Electrical and gear compartment

- 220-240V electronic ballast and 230V magnetic ballasts, see more details under product list section.

Installation

- Suitable for surface vertical or horizontal mounting surface for interior use. The body is fixed onto the mounting surface via adjustable plastic rapid kit (horizontal or vertical). Main connection via domestic plug socket or connecting block.

Maintenance

- Replace light source by removing diffuser.

Accessories

- Accessories are not available.

Lamp

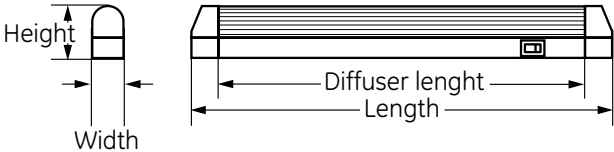
- Luminaires completed with GE T5 and T8 lamp, see more information under product list section.

Retail

Hospitality

Home

Dimensions [mm]

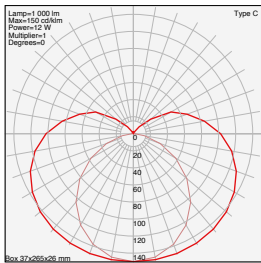


Type	Dimension (mm)			
	Length	Width	Diffuser length	Height
8W	336	37	320	54
13W	563	37	550	54
15W	485	37	330	64
18W	637	37	475	64
30W	942	37	500	64
36W	1246	37	800	64
58W	1546	37	800	64

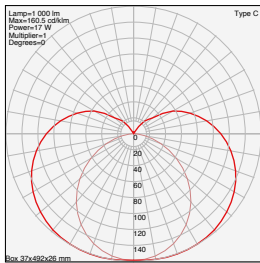
EuroStylo Specification

Mounting type	Surface
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

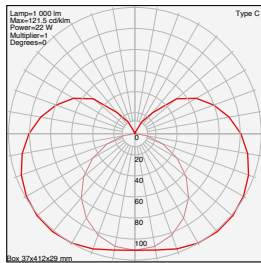
Photometric data



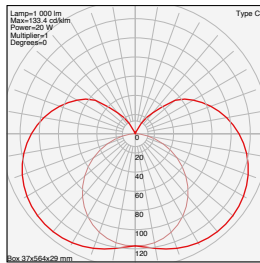
EUROSTYLO 1 x 8W T5 LFL
(43388)



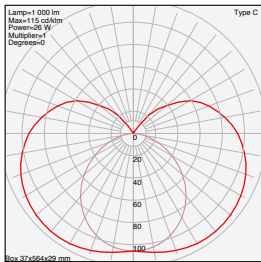
EUROSTYLO 1 x 13W T5 LFL
(43402)



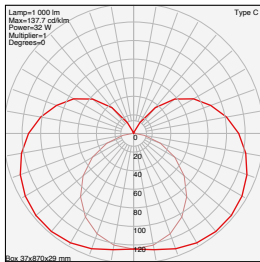
EUROSTYLO 1 x 15W T8 LFL
(43405)



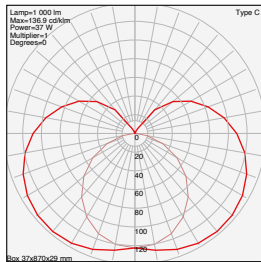
EUROSTYLO 1 x 18W T8 LFL
(43408)



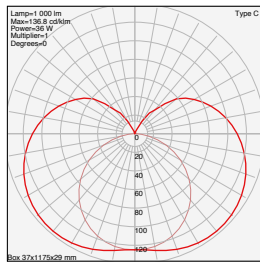
EUROSTYLO 1 x 18W T8 LFL
(43411)



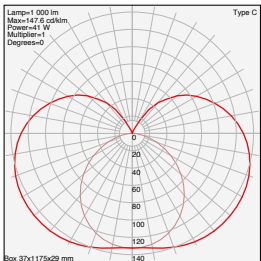
EUROSTYLO 1 x 30W T8 LFL
(43416)



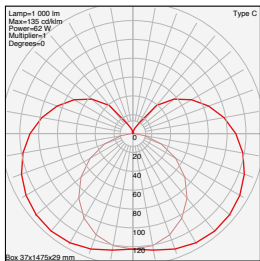
EUROSTYLO 1 x 30W T8 LFL
(43419)



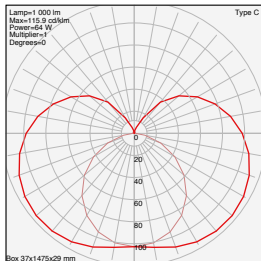
EUROSTYLO 1 x 36W T8 LFL
(43421)



EUROSTYLO 1 x 36W T8 LFL
(43422)



EUROSTYLO 1 x 58W T8 LFL
(43426)



EUROSTYLO 1 x 58W T8 LFL
(43427)

EuroStylo product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight (kg)	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 8W	NL EUROSTYLO EST108WHL 827 230V GE	A - B	1x8W T5 LFL	Y	A	0,7	Magnetic	N	6	White	230V	IP40	43388
1 X 13W	NL EUROSTYLO EST113WHL 827 230V GE	A - B	1x13W T5 LFL	Y	A	0,9	Magnetic	N	6	White	230V	IP40	43402
1 x 15W	NL EUROSTYLO EST115WHL 830 230V GE	B	1x15W T8 LFL	Y	B	1,1	Magnetic	N	6	White	230V	IP40	43405
1 x 18W	NL EUROSTYLO EST118WHEB 230 GE	A	1x18W T8 LFL	Y	A	1,3	Electronic	N	6	White	220-240V	IP40	43408
1 x 18W	NL EUROSTYLO EST118WHL 830 230V GE	A	1x18W T8 LFL	Y	A	1,3	Magnetic	N	6	White	230V	IP40	43411
1 x 18W	NL EUROSTYLO EST118WHL 835 230V GE	A	1x18W T8 LFL	Y	A	1,3	Magnetic	N	6	White	230V	IP40	43412
1 x 30W	NL EUROSTYLO EST130WH 830 230V GE	A	1x30W T8 LFL	Y	A	1,6	Magnetic	N	6	White	230V	IP40	43414
1 x 30W	NL EUROSTYLO EST130WHEB 230 GE	A	1x30W T8 LFL	Y	A	1,6	Electronic	N	6	White	220-240V	IP40	43416
1 x 30W	NL EUROSTYLO EST130WHL 830 230V GE	A	1x30W T8 LFL	Y	A	1,6	Magnetic	N	6	White	230V	IP40	43419
1 x 36W	NL EUROSTYLO EST136WHEB 230 GE	A	1x36W T8 LFL	Y	A	2,6	Electronic	N	6	White	220-240V	IP40	43421
1 x 36W	NL EUROSTYLO EST136WHL 830 230V GE	A	1x36W T8 LFL	Y	A	1,9	Magnetic	N	6	White	230V	IP40	43422
1 x 36W	NL EUROSTYLO EST136WHL 835 230V GE	A	1x36W T8 LFL	Y	A	1,9	Magnetic	N	6	White	230V	IP40	43424
1 x 58W	NL EUROSTYLO EST158WHEB 835 230 GE	A	1x58W T8 LFL	Y	A	2,6	Electronic	N	6	White	230V	IP40	43426
1 x 58W	NL EUROSTYLO EST158WHL 830 230V GE	A	1x58W T8 LFL	Y	A	2,6	Magnetic	N	6	White	230V	IP40	43427
1 x 58W	NL EUROSTYLO EST158WHL 835 230V GE	A	1x58W T8 LFL	Y	A	2,6	Magnetic	N	6	White	230V	IP40	43428
1 x 30W	NL@EUROSTYLO EST130WHL LL 230 NEUTPK IL	A	1x30W T8 LFL	N	N/A	1,6	Magnetic	N	6	White	230V	IP40	43386
1 x 58W	NL@EUROSTYLO EST158WHL LL 230 NEUTPK IL	A	1x58W T8 LFL	N	N/A	2,6	Magnetic	N	6	White	230V	IP40	43387
1 x 36W	NL@EUROSTYLO EST136WHL LL 230 NEUTPK IL	A	1x36W T8 LFL	N	N/A	1,9	Magnetic	N	6	White	230V	IP40	43399
1 x 13W	NL@EUROSTYLO EST113WHL LL 230 NEUTPK IL	A - B	1x13W T5 LFL	N	N/A	0,9	Magnetic	N	6	White	230V	IP40	43401
1 x 15W	NL@EUROSTYLO EST115WHL LL 230 NEUTPK IL	B	1x15W T8 LFL	N	N/A	1,1	Magnetic	N	6	White	230V	IP40	43406
1 x 18W	NL@EUROSTYLO EST118WHL LL 230 NEUTPK IL	A	1x18W T8 LFL	N	N/A	1,3	Magnetic	N	6	White	230V	IP40	43413
1 x 30W	NL@EUROSTYLO EST130WH 827 230V CONS GE	A	1x30W T8 LFL	Y	A	1,6	Magnetic	N	6	White	230V	IP40	43415
1 x 36W	NL@EUROSTYLO EST136WH 827 230V CONS GE	A	1x36W T8 LFL	Y	A	1,9	Magnetic	N	6	White	230V	IP40	43420
1 x 58W	NL@EUROSTYLO EST158WH 827 230V CONS GE	A	1x58W T8 LFL	Y	A	2,6	Magnetic	N	6	White	230V	IP40	43425

Flat



DIFFUSER
PRISMATIC TRANSPARENT

BODY
WHITE

IP40

IP40

IK04

0.64-0.88 KG

F

Shallow housing ideal for lighting under-counters, kitchens, shelves, bookcases, display cabinets, etc. Fittings with 8W and 13W fluorescent fittings. Extremely slim.

Structures and materials

- Body:** Cold-rolled, phosphate white epoxy polyester powder coated steel sheet.
- Diffuser:** Polycarbonate; longitudinal prismatic internal finish. Snaps to the body.

Electrical and gear compartment

- 220-240V electronic ballast and 230V magnetic ballasts, see more details under product list section.

Installation

- Suitable for vertical or horizontal surface mounting for interior use. The body is fixed onto the mounting surface via an adjustable plastic rapid kit (horizontal or vertical). Main connection via domestic plug socket or connecting block.

Maintenance

- Replace light source by removing diffuser.

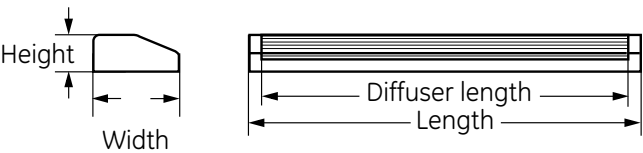
Accessories

- Spare part diffusers are available.

Lamp

- Luminaires completed with GE T5 4000K lamp.

Dimensions [mm]



Type	Dimension (mm)			
	Length	Width	Diffuser length	Height
8W	324	70	260	32
13W	552	70	450	32

Flat Specification

Mounting type	Surface
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25



Retail

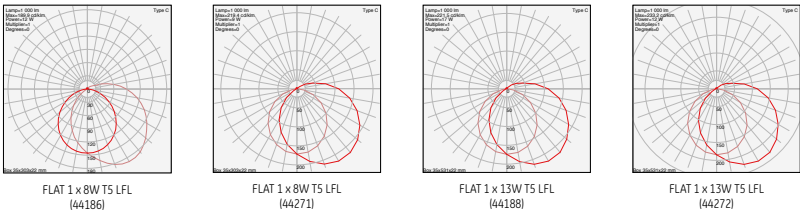


Hospitality



Home

Photometric data



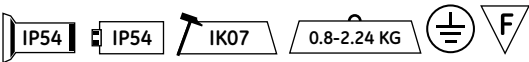
Flat product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight (kg)	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 X 8W	NL@FLAT FLAT108 230 GE	A - B	1x8W T5 LFL	Y	A	0,64	Magnetic	N	6	White	230V	IP40	44186
1 X 13W	NL@FLAT FLAT113 230 GE	A - B	1x13W T5 LFL	Y	A	0,83	Magnetic	N	6	White	230V	IP40	44188
1 X 8W	NL@FLAT FLAT108EBL 33 230V GE	A - B	1x8W T5 LFL	Y	A	0,64	Electronic	N	6	White	220-240V	IP40	44271
1 X 13W	NL FLAT FLAT113EBL 33 230V GE	A - B	1x13W T5 LFL	Y	A	0,64	Electronic	N	6	White	220-240V	IP40	44272

Flat Accessories

Product code	Picture	Description	8W	13W
			44186 44257 44271	44188 44272
44257		Diffuser - Spare part NL FLAT DIFFUSER 8W GE	•	
44258		Diffuser - Spare part NL FLAT DIFFUSER 13W GE		•

Brio



BRIO is a unique collection of contemporary luminaire ranges, including wall and ceiling mounted versions offering an ideal combination of high performance and a distinctive aesthetic.

Structures and materials

- **Body:** Impact-resistant, self-extinguishing polycarbonate.
- **Colour:** White, black.

Optics

- **Diffuser:** Metacrylate, transparent or opal.
- **Reflector:** High-reflective, impact-resistant, self-extinguishing material.

Electrical and gear compartment

- **Magnetic ballast:** low loss 230V 50Hz
- **Electronic ballast:** 220-240V 50/60Hz with 2.5mm2 clamp screws wiring connectors.

Maintenance

- Replace light source by removing diffuser.

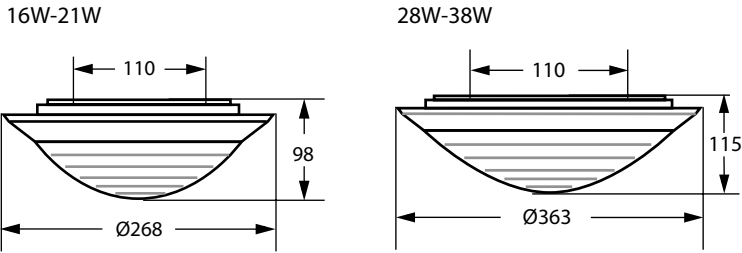
Accessories

- Diffusers and rings are available as spare parts.
- Luminaires are completed with diffuser and ring.

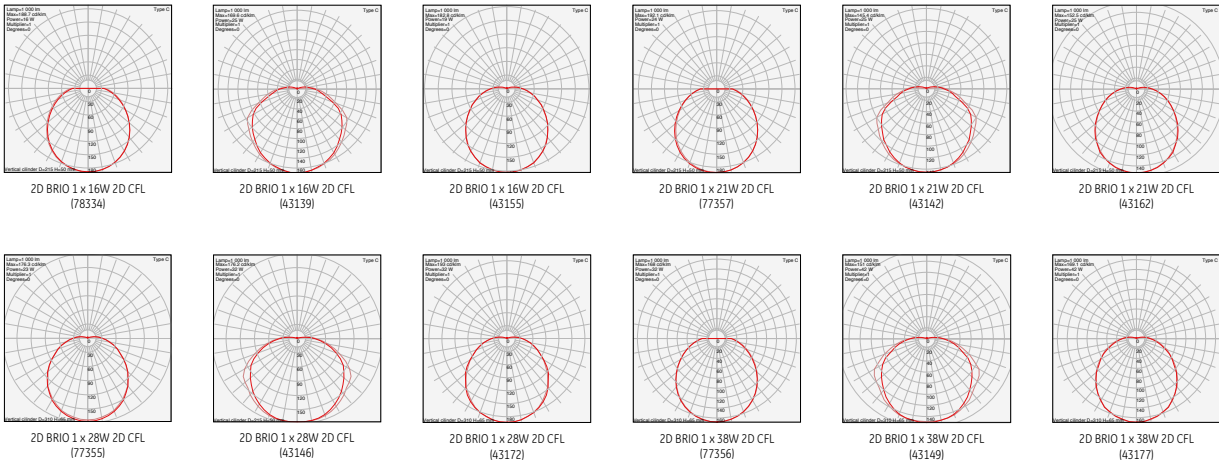
Lamp

- Luminaire is supplied with 3500K 2D lamp.

Dimensions [mm]



Photometric data



Brio Specification

Mounting type	Surface fixed / wall mounting
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

Traditional Indoor Luminaires

Wall mounted

Brio product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 16W	NL BRIO 2DBR16WHL 835 230 GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43139
1 x 16W	NL BRIO 2DBR16WHL EES 835 230 GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	for 1 hour	2	White	230V	IP54	43140
1 x 21W	NL BRIO 2DBR21WHL 835 230 GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43142
1 x 28W	NL BRIO 2DBR28WHL 835 230 GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	4	White	230V	IP54	43146
1 x 16W	NL BRIO 2DBRO16WHL 835 230 GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43155
1 x 21W	NL BRIO 2DBRO21WHL 835 230V GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43162
1 x 28W	NL BRIO 2DBRO28WHL 835 230 GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	4	White	230V	IP54	43172
1 x 38W	NL BRIO 2DBRO38WHL 835 230V GE	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	4	White	230V	IP54	43177
1 x 28W	NL BRIO 2DBRO28WH EB 835 220-240V GE	A - B	1x28W 2D CFL	Y	A	1,4	Electronic	N	4	White	220-240V	IP54	77355
1 x 38W	NL BRIO 2DBRO38WH EB 835 220-240V GE	A - B	1x38W 2D CFL	Y	A	1,4	Electronic	N	4	White	220-240V	IP54	77356
1 x 21W	NL BRIO 2DBRO21WH EB 835 220-240V GE	A - B	1x21W 2D CFL	Y	A	0,8	Electronic	N	6	White	220-240V	IP54	77357
1 x 16W	NL BRIO 2DBRO16WH EB 835 220-240V GE	A - B	1x16W 2D CFL	Y	A	0,8	Electronic	N	6	White	220-240V	IP54	78334
1 x 21W	NL BRIO 2DBR21BKL 835 230/50Hz	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	6	Black	230V	IP54	95580
1 x 28W	NL BRIO 2DBR28WHL EES 835 240/50Hz	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	for 1 hour	4	White	240V	IP54	95582
1 x 38W	NL BRIO 2DBR38BKL 835 230/50Hz	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	4	Black	230V	IP54	95583
1 x 38W	NL BRIO 2DBR38WHL 835 230/50Hz	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	4	White	230V	IP54	95585
1 x 38W	NL BRIO 2DBRO38BKL 835 230/50Hz	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	4	Black	230V	IP54	95586
1 x 16W	NL BRIO 2DBRO16WHL EES 835 240/50Hz	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	for 1 hour	4	White	240V	IP54	95587
1 x 16W	NL@BRIO 2DBRO16WHL 835 230 SCH GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	8	White	230V	IP54	42919
1 x 21W	NL@BRIO 2DBRO21WHL 835 230 SCH GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	8	White	230V	IP54	42920
1 x 28W	NL@BRIO 2DBRO28WHL 835 230 SCH GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	6	White	230V	IP54	42921
1 x 38W	NL@BRIO 2DBRO38WHL 835 230 SCH GE	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	6	White	230V	IP54	42925
1 x 16W	NL@BRIO 2DBR16BKL 835 230 GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	Black	230V	IP54	43137
1 x 16W	NL@BRIO 2DBR16WHL 827 230V CONS GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43138
1 x 16W	NL@BRIO 2DBRO16BKL 835 230 GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	Black	230V	IP54	43151
1 x 16W	NL@BRIO 2DBRO16WH 827 230V CONS GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43153
1 x 21W	NL@BRIO 2DBRO21CRL 835 230V GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	43157
1 x 28W	NL@BRIO 2DBRO28BKL 835 230 GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	4	Black	230V	IP54	43164
1 x 16W	NL@BRIO 2DBR16WHL 835 230 SCH GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	8	White	230V	IP54	43200
1 x 21W	NL@BRIO 2DBR21WHL 835 230 SCH GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	8	White	230V	IP54	43202
1 x 28W	NL@BRIO 2DBR28WHL 835 230 SCH GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	6	White	230V	IP54	43204
1 x 28W	NL@BRIO 2DBR28BKL 835 230 GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	4	Black	230V	IP54	43384
1 x 16W	NL@BRIO 2DBR16WHL MR 835 230V GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	74993
1 x 16W	NL@BRIO 2DBRO16WHL MR 835 230V GE	A - B	1x16W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	74994
1 x 21W	NL@BRIO 2DBR21WHL MR 835 230V GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	74995
1 x 21W	NL@BRIO 2DBRO21WHL MR 835 230V GE	A - B	1x21W 2D CFL	Y	A	1,2	Magnetic	N	6	White	230V	IP54	74996
1 x 28W	NL@BRIO 2DBR28WHL MR 835 230V GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	4	White	230V	IP54	74997
1 x 28W	NL@BRIO 2DBRO28WHL MR 835 230V GE	A - B	1x28W 2D CFL	Y	A	1,8	Magnetic	N	4	White	230V	IP54	74998
1 x 38W	NL@BRIO 2DBR38WHL MR 835 230V GE	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	4	White	230V	IP54	74999
1 x 38W	NL@BRIO 2DBRO38WHL MR 835 230V GE	A - B	1x38W 2D CFL	Y	A	1,9	Magnetic	N	4	White	230V	IP54	75000
1 x 16W	NL@BRIO 2DBR16WH EB MR 835 220-240V GE	A - B	1x16W 2D CFL	Y	A	0,8	Electronic	N	6	White	220-240V	IP54	75001
1 x 16W	NL@BRIO 2DBRO16WH EB MR 835 230V GE	A - B	1x16W 2D CFL	Y	A	0,8	Electronic	N	6	White	230V	IP54	75002
1 x 21W	NL@BRIO 2DBR21WH EB MR 835 220-240V GE	A - B	1x21W 2D CFL	Y	A	0,8	Electronic	N	6	White	220-240V	IP54	75003
1 x 21W	NL@BRIO 2DBRO21WH EB MR 835 220-240V GE	A - B	1x21W 2D CFL	Y	A	0,8	Electronic	N	6	White	220-240V	IP54	75004
1 x 28W	NL@BRIO 2DBR28WH EB MR 835 220-240V GE	A - B	1x28W 2D CFL	Y	A	1,4	Electronic	N	4	White	220-240V	IP54	75005
1 x 28W	NL@BRIO 2DBRO28WH EB MR 835 220-240V GE	A - B	1x28W 2D CFL	Y	A	1,4	Electronic	N	4	White	220-240V	IP54	75006
1 x 38W	NL@BRIO 2DBR38WH EB MR 835 220-240V GE	A - B	1x38W 2D CFL	Y	A	1,4	Electronic	N	4	White	220-240V	IP54	75007
1 x 38W	NL@BRIO 2DBRO38WH EB MR 835 220-240V GE	A - B	1x38W 2D CFL	Y	A	1,4	Electronic	N	4	White	220-240V	IP54	75008
1 x 16W	NL@BRIO 2DBRO16WH EB 835 220-240V SCH GE	A - B	1x16W 2D CFL	Y	A	0,8	Electronic	N	8	White	220-240V	IP54	75009
1 x 28W	NL@BRIO 2DBRO28WH EB 835 220-240V SCH GE	A - B	1x28W 2D CFL	Y	A	1,4	Electronic	N	6	White	220-240V	IP54	75010
1 x 38W	NL@BRIO 2DBRO38WH EB 835 220-240V SCH GE	A - B	1x38W 2D CFL	Y	A	1,4	Electronic	N	6	White	220-240V	IP54	75011
1 x 21W	NL@BRIO 2DBRO21WH EB 835 220-240V SCH GE	A - B	1x21W 2D CFL	Y	A	0,8	Electronic	N	8	White	220-240V	IP54	75029

Accessories

Product code	Picture	Description	16W	21W	28W	38W
			43137 43139 43140 43151 43152 43155 43385 43677 78334 88153	43141 43142 43157 43160 43162 77357	43146 43147 43164 43165 43166 43172 43384 43676 77355	43148 43149 43173 43174 43175 43177 77356
43836		White ring NL BRIO RING 16/21W WHITE GE	•	•		
43854		Black ring NL BRIO RING 16/21W BLACK GE	•	•		
43839		Clear diffuser NL BRIO DIFFUSER CLEAR 16/21W GE	•	•		
43840		Clear diffuser NL BRIO DIFFUSER CLEAR 28/38W GE			•	•
43841		Opal diffuser NL BRIO DIFFUSER OPAL 16/21W GE	•	•		
43842		Opal diffuser NL BRIO DIFFUSER OPAL 28/38W GE			•	•

Diamond

DIFFUSER
CLEAR, OPAL

COLOUR
WHITE

IP40

IP40

IK08

1.02-2.9 KG

F



A simple and elegant interior light fitting designed with compact 2D fluorescent lamps. Suitable for a wide range of applications, as it offers a combination of comfort, high efficiency, low-energy.

Structures and materials

- Body:** Impact-resistant, self-extinguishing polycarbonate.
- Diffuser:** Clear or opal, impact-resistant polycarbonate.
- Ring:** White.
- Reflector:** Made of high reflection polycarbonate.

Electrical and gear compartment

- 230V 50Hz magnetic low-loss ballast.

Maintenance

- Replace light source by removing diffuser.

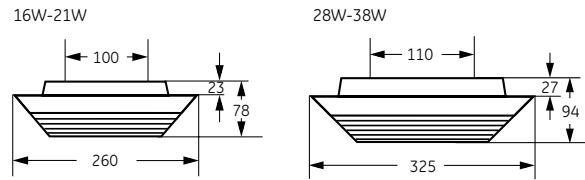
Accessories

- Diffuser for 28/38W is available as spare part.

Lamp

- Luminaire is supplied with 2D Wattmiser 3500K lamp.

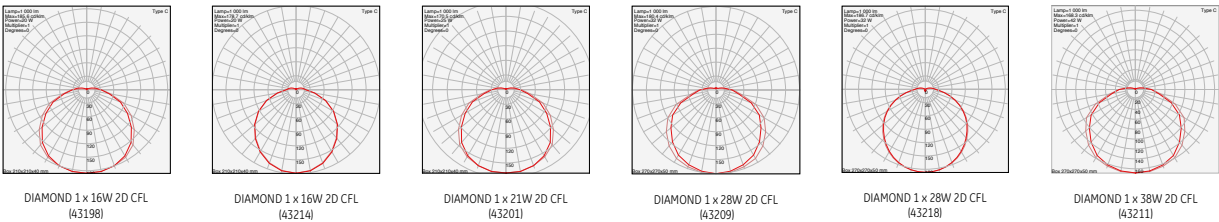
Dimensions [mm]



Diamond Specification

Mounting type	Surface / Wall mounted
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

Photometric data



Office

Education

Hospitality

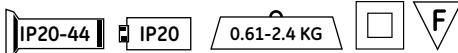
Diamond product list

Wattage	Description	Compatible with the following Energy classes lamps	Lamp qty & type	Lamp included	Lamp Energy Class	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1x16	NL DIAMOND 2DDM16WHEES 835 240/50HZ	A-B	1x16W 2D CFL	Yes	A	1,0	Magnetic	Yes	6	White	240V	IP40	95594
1x16	NL DIAMOND 2DDM16WHL 835 230/50HZ	A-B	1x16W 2D CFL	Yes	A	1,0	Magnetic	No	6	White	230V	IP40	95595
1x16	NL DIAMOND 2DDM21WHL 835 230/50HZ	A-B	1x21W 2D CFL	Yes	A	1,0	Magnetic	No	6	White	230V	IP40	95596
1x16	NL DIAMOND 2DDM28BKL 835 230/50HZ	A-B	1x28W 2D CFL	Yes	A	1,0	Magnetic	No	4	Black	230V	IP40	95597
1x21	NL DIAMOND 2DDM28WHEES 835 240/50HZ	A-B	1x28W 2D CFL	Yes	A	1,0	Magnetic	Yes	4	White	240V	IP40	95598
1x21	NL DIAMOND 2DDM28WHL 835 230/50HZ	A-B	1x28W 2D CFL	Yes	A	1,0	Magnetic	No	4	White	230V	IP40	95599
1x28	NL DIAMOND 2DDM38BKL 835 230/50HZ	A-B	1x38W 2D CFL	Yes	A	1,7	Magnetic	No	4	Black	230V	IP40	95600
1x28	NL DIAMOND 2DDM38WHL 835 230/50HZ	A-B	1x38W 2D CFL	Yes	A	1,7	Magnetic	No	4	White	230V	IP40	95601
1x28	NL DIAMOND 2DDM016BKL 835 230/50HZ	A-B	1x16W 2D CFL	Yes	A	1,7	Magnetic	No	6	Black	230V	IP40	95602
1x28	NL DIAMOND 2DDM016WHL 835 230/50HZ	A-B	1x16W 2D CFL	Yes	A	1,7	Magnetic	No	6	White	230V	IP40	95603
1x38	NL DIAMOND 2DDM028WHL 835 230/50HZ	A-B	1x28W 2D CFL	Yes	A	1,8	Magnetic	No	4	White	230V	IP40	95604
1x38	NL DIAMOND 2DDM038BKL 835 230/50HZ	A-B	1x38W 2D CFL	Yes	A	1,8	Magnetic	No	4	Black	230V	IP40	95605
1x38	NL DIAMOND 2DDM21BKL 835 230 GE	A-B	1x21W 2D CFL	Yes	A	1,8	Magnetic	No	6	Black	240V	IP40	43199

Diamond accessory

Product code	Picture	Description	16W	21W	28W	38W
			43197 43198 43212 43214	43199 43201	43205 43208 43209 43218 43845	43210 43211 43223 43845
43845		Diffuser NL DIAMOND DIFFUSER CLEAR 28/38W GE				

Top DBX



TOP/DBX PREMIUM complements its surroundings due to the distinctive aesthetic of the fixture. The reflector design delivers an excellent light distribution and a high level of efficiency. It has also been certified with the highest approval marks, protection and insulation indexes.

Structures and materials

- **Body:** TOP/DBX PREMIUM PC: Impact-resistant, self-extinguishing polycarbonate.
- **Body TOP/DBX PREMIUM ALU:** Impact-resistant, self-extinguishing polycarbonate.

Electrical and gear compartment

- 230-240V/50-60Hz electronic ballast
- Wiring connector with 2,5mm² clamp screws.

Optics

TOP/DBX PREMIUM PC

- **Reflector:** Metallized polycarbonate.
- **Diffuser:** Shockproof safety diffuser in polycarbonate.
- **Retaining ring:** Polycarbonate.
- **Louvre:** Metallized polycarbonate (accessory).

TOP/DBX PREMIUM ALU

- **Reflector:** Metallized polycarbonate.
- **Diffuser:** Tempered and silk screened safety glass.
- **Retaining ring:** Aluminium die-cast.

Maintenance

- Replace light source by removing louvre.

Accessories

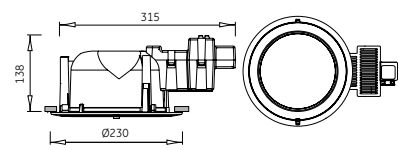
- Wide choice of accessories are available: louvre, diffuser, ring, frames, glasses. Accessories need to be ordered separately.

Lamp

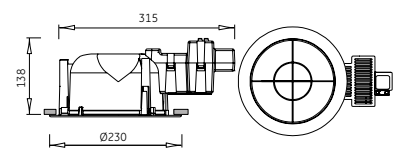
- Luminaire is supplied with DBX 3500K lamp.

Dimensions [mm]

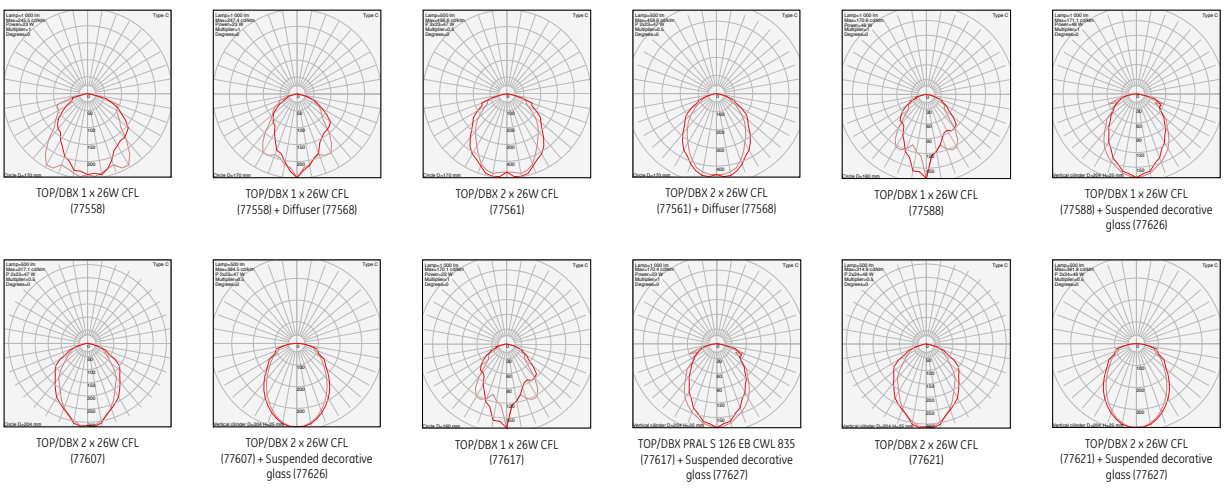
TOP/DBX PREMIUM ALU (ALUMINIUM RING)



TOP/DBX PREMIUM PC (POLYCARBONATE RING)



Photometric data



Top DBX Specification

Mounting type	Recessed
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

Traditional Indoor Luminaires

Recessed

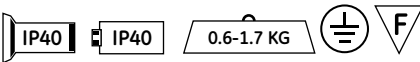
Top DBX product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 13	OL TOP/DBX PRPC W 113 EB CWL 835	1 x 13W CFL	Yes	0.61	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77556
1 x 13	OL TOP/DBX PRAL W 113 EB CWL 835	1 x 13W CFL	Yes	1.1	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77586
1 x 13	OL TOP/DBX PRAL S 113 EB CWL 835	1 x 13W CFL	Yes	1.1	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77615
1 x 18	OL TOP/DBX PRPC W 118 EB CWL 835	1 x 18W CFL	Yes	0.63	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77557
1 x 18	OL TOP/DBX PRAL W 118 EB CWL 835	1 x 18W CFL	Yes	1.1	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77587
1 x 18	OL TOP/DBX PRAL S 118 EB CWL 835	1 x 18W CFL	Yes	1.1	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77616
1 x 26	OL TOP/DBX PRPC W 126 EB CWL 835	1 x 26W CFL	Yes	0.64	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77558
1 x 26	OL TOP/DBX PRAL W 126 EB CWL 835	1 x 26W CFL	Yes	1.1	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77588
1 x 26	OL TOP/DBX PRAL S 126 EB CWL 835	1 x 26W CFL	Yes	1.1	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77617
2 x 13	OL TOP/DBX PRPC W 213 EB CWL 835	2 x 13W CFL	Yes	0.78	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77559
2 x 13	OL TOP/DBX PRAL W 213 EB CWL 835	2 x 13W CFL	Yes	1.3	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77605
2 x 13	OL TOP/DBX PRAL S 213 EB CWL 835	2 x 13W CFL	Yes	1.3	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77618
2 x 18	OL TOP/DBX PRPC W 218 EB CWL 835	2 x 18W CFL	Yes	0.81	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77560
2 x 18	OL TOP/DBX PRPC W 218 EB EES CWL 835	2 x 18W CFL	Yes	1.78	High Frequency Electronic	For 1 hour	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77564
2 x 18	OL TOP/DBX PRPC W 218 EB DIM CWL 835	2 x 18W CFL	Yes	0.98	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77562
2 x 18	OL TOP/DBX PRAL W 218 EB DIM CWL 835	2 x 18W CFL	Yes	1.5	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77608
2 x 18	OL TOP/DBX PRAL W 218 EB EES CWL 835	2 x 18W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	White-Aluminium	220-240V	IP20	IP20/IP44	77610
2 x 18	OL TOP/DBX PRAL S 218 EB CWL 835	2 x 18W CFL	Yes	1.4	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77619
2 x 18	OL TOP/DBX PRAL W 218 EB CWL 835	2 x 18W CFL	Yes	1.4	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77620
2 x 18	OL TOP/DBX PRAL S 218 EB DIM CWL 835	2 x 18W CFL	Yes	1.5	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77622
2 x 18	OL TOP/DBX PRAL S 218 EB EES CWL 835	2 x 18W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77624
2 x 26	OL TOP/DBX PRPC W 226 EB CWL 835	2 x 26W CFL	Yes	0.83	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77561
2 x 26	OL TOP/DBX PRPC W 226 EB EES CWL 835	2 x 26W CFL	Yes	1.8	High Frequency Electronic	For 1 hour	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77565
2 x 26	OL TOP/DBX PRPC W 226 EB DIM CWL 835	2 x 26W CFL	Yes	1	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77563
2 x 26	OL TOP/DBX PRAL W 226 EB CWL 835	2 x 26W CFL	Yes	1.4	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77607
2 x 26	OL TOP/DBX PRAL W 226 EB DIM CWL 835	2 x 26W CFL	Yes	1.6	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77609
2 x 26	OL TOP/DBX PRAL W 226 EB EES CWL 835	2 x 26W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	White-Aluminium	220-240V	IP20	IP20/IP44	77612
2 x 26	OL TOP/DBX PRAL S 226 EB CWL 835	2 x 26W CFL	Yes	1.4	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77621
2 x 26	OL TOP/DBX PRAL S 226 EB DIM CWL 835	2 x 26W CFL	Yes	1.6	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77623
2 x 26	OL TOP/DBX PRAL S 226 EB EES CWL 835	2 x 26W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77625

Top DBX Accessories

Product code	Description	PC White	ALU White	ALU Silver
		77556 77557 77558 77560 77561 77564 77565 77559 77562 77563	77587 77605 77587 77620 77588 77607 77608 77609 77610 77612	77615 77618 77616 77619 77617 77621 77622 77623 77624 77625
77568	Diffuser OL TOP/DBX PRPC DIFFUSER IP44	•		
77566	Comfort louvre OL TOP/DBX PRPC LOUVRE	•		
77570	Silver ring OL TOP/DBX PRPC SILVER RING	•		
77572	Square white frame OL TOP/DBX PRPC FRAME SQUARE	•		
77585	Oval white frame OL TOP/DBX PRPC FRAME OVAL	•		
77626	Suspended decorative glass OL TOP/DBX PRAL W GLASS		•	
77627	Suspended decorative glass OL TOP/DBX PRAL S GLASS			•

T5 NPP



Lighting fittings for T5 fluorescent lamps suitable for large areas such as retail and warehouse applications. It is an ideal solution for ceiling installation. NPP is compatible with the NAL trunking system, but NPQ is the best solution for track mounting NAL system with full compatibility.

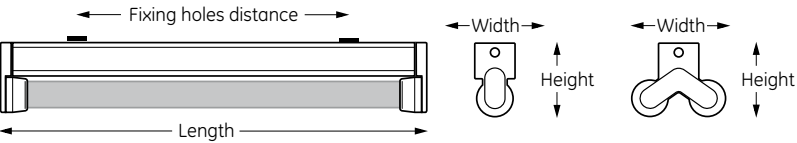
Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Lamp

- Luminaire is supplied without lamp

Dimensions [mm]



Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
14W				
1 x 14W T5 LFL	573	420	91	50
21W				
1 x 21W T5 LFL	873	720	91	50
2 x 21W T5 LFL	873	720	91	93
24W				
1 x 24W T5 LFL	573	420	91	50
28W				
1 x 28W T5 LFL	1173	640	91	50
2 x 28W T5 LFL	1173	640	91	93
35W				
1 x 35W T5 LFL	1473	870	91	50
2 x 35W T5 LFL	1473	870	91	93
39W				
1 x 39W T5 LFL	873	720	91	50
2 x 39W T5 LFL	873	720	91	93
49W				
1 x 49W T5 LFL	1473	870	91	50
2 x 49W T5 LFL	1473	870	91	93
54W				
1 x 54W T5 LFL	1173	640	91	50
2 x 54W T5 LFL	1173	640	91	93
80W				
1 x 80W T5 LFL	1473	870	91	50
2 x 80W T5 LFL	1473	870	91	93

Electrical and gear compartment

- Only electronic version is available, 230-240V/50-60Hz, connector with fuse, screw terminals for conductors up to 2.5mm².

Installation/ Maintenance

- Replace light source by removing diffuser.

Accessories

- A wide-choice of accessories are available; including Reflectors (NPGR)
- NPT - Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPLT - Aligner for NPT - NPR - NPA Reflectors, TCGR - End Cap.



Industrial

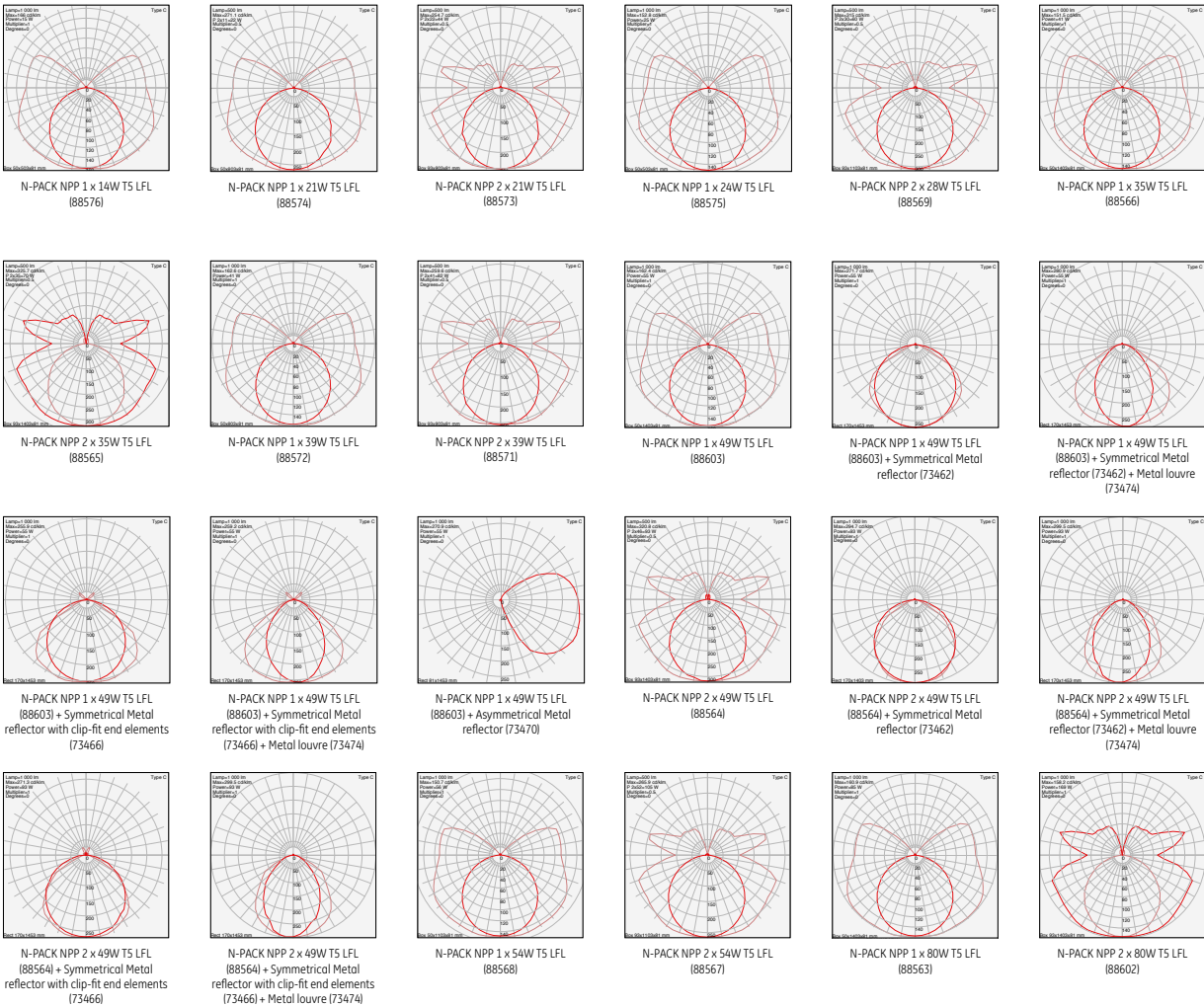


Car park



Retail

Photometric data



T5 NPP specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T5 NPP product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 14	NL N-PACK NPP114EB T5 LL 220-240 GE	1 x 14W T5 LFL	No	0.6	No	1	White	220-240V	IP40	88576
1 x 21	NL N-PACK NPP121EB T5 LL 220-240 GE	1 x 21W T5 LFL	No	1	No	1	White	220-240V	IP40	88574
2 x 21	NL N-PACK NPP221EB T5 LL 220-240 GE	2 x 21W T5 LFL	No	1	No	1	White	220-240V	IP40	88573
1 x 24	NL N-PACK NPP124EB T5 LL 220-240 GE	1 x 24W T5 LFL	No	0.6	No	1	White	220-240V	IP40	88575
2 x 28	NL N-PACK NPP228EB T5 LL 220-240 GE	2 x 28W T5 LFL	No	1.3	No	1	White	220-240V	IP40	88569
1 x 35	NL N-PACK NPP135EB T5 LL 220-240 GE	1 x 35W T5 LFL	No	1.5	No	1	White	220-240V	IP40	88566
2 x 35	NL N-PACK NPP235EB T5 LL 220-240 GE	2 x 35W T5 LFL	No	1.6	No	1	White	220-240V	IP40	88565
1 x 39	NL N-PACK NPP139EB T5 LL 220-240 GE	1 x 39W T5 LFL	No	1	No	1	White	220-240V	IP40	88572
2 x 39	NL N-PACK NPP239EB T5 LL 220-240 GE	2 x 39W T5 LFL	No	1	No	1	White	220-240V	IP40	88571
1 x 49	NL N-PACK NPP149EB T5 LL 220-240 GE	1 x 49W T5 LFL	No	1.5	No	1	White	220-240V	IP40	88603
2 x 49	NL N-PACK NPP249EB T5 LL 220-240 GE	2 x 49W T5 LFL	No	1.6	No	1	White	220-240V	IP40	88564
1 x 54	NL N-PACK NPP154EB T5 LL 220-240 GE	1 x 54W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88568
2 x 54	NL N-PACK NPP254EB T5 LL 220-240 GE	2 x 54W T5 LFL	No	1.3	No	1	White	220-240V	IP40	88567
1 x 80	NL N-PACK NPP180EB T5 LL 220-240 GE	1 x 80W T5 LFL	No	1.6	No	1	White	220-240V	IP40	88563
2 x 80	NL N-PACK NPP280EB T5 LL 220-240 GE	2 x 80W T5 LFL	No	1.7	No	1	White	220-240V	IP40	88602

T5 NPP Accessories

Product code	Picture	Description	1 x 14W 88576	1 x 21W 88574	2 x 21W 88 573	1 x 24W 88575	1 x 28W 88570	2 x 28W 88569	1 x 35W 88566	2 x 35W 88565	1 x 39W 88572	2 x 39W 88571	1 x 49W 88603	2 x 49W 88564	1 x 54W 88568	2 x 54W 88567	1 x 80W 88563	2 x 80W 88602
73455		Symmetrical Metal reflector NL NPACK NPT 1X14-24 REFLECTOR GE	•			•												
73456		Symmetrical Metal reflector NL NPACK NPT 1X21-39 REFLECTOR GE		•							•							
73457		Symmetrical Metal reflector NL NPACK NPT 1X28-54 REFLECTOR GE					•											
73458		Metal reflector NL NPACK NPT 1X35-49-80 REFLECTOR GE							•				•				•	
73459		Symmetrical Metal reflector NL NPACK NPT 1/2X14-24 REFLECTOR GE	•			•												
73460		Symmetrical Metal reflector NL NPACK NPT 1/2X21-39 REFLECTOR GE		•	•						•	•						
73461		Symmetrical Metal reflector NL NPACK NPT 1/2X28-54 REFLECTOR GE					•	•							•	•		
73462		Symmetrical Metal reflector NL NPACK NPT 1/2X35-49-80 REFLECTOR GE							•	•			•	•			•	•
73463		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X14-24 REFLECTOR GE	•			•												
73464		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X21-39 REFLECTOR GE		•	•						•	•						
73465		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X28-54 REFLECTOR GE					•	•							•	•		

Product code	Picture	Description	1 x 14W 88576	1 x 21W 88574	2 x 21W 88 573	1 x 24W 88575	1 x 28W 88570	2 x 28w 88569	1 x 35W 88566	2 x 35W 88565	1 x 39W 88572	2 x 39W 88571	1 x 49W 88603	2 x 49W 88564	1 x 54W 88568	2 x 54W 88567	1 x 80W 88563	2 x 80W 88602
73466		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X35-49-80 REFLECTOR GE							•	•			•	•			•	•
73467		Asymmetrical Metal reflector NL NPACK NPA 1X14-24 REFLECTOR GE	•			•												
73468		Asymmetrical Metal reflector NL NPACK NPA 1X21-39 REFLECTOR GE		•	•						•	•						
73469		Asymmetrical Metal reflector NL NPACK NPA 1X28-54 REFLECTOR GE					•	•							•	•		
73470		Asymmetrical Metal reflector NL NPACK NPA 1X35-49-80 REFLECTOR GE							•	•			•	•			•	•
73471		Metal louvre NL NPACK NPGR 1/2X14-24 LOUVRE GE	•			•												
73472		Metal louvre NL NPACK NPGR 1/2X21-39 LOUVRE GE		•	•						•	•						
73473		Metal louvre NL NPACK NPGR 1/2X28-54 LOUVRE GE					•	•							•	•		
73474		Metal louvre NL NPACK NPGR 1/2X35-49-80 LOUVRE GE							•	•							•	•
45311		Aligner for all metal reflectors NL N-PACK NPLT ALIGNER GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
62571		End cap for all metal reflectors NL N-PACK TCGR TESTATE ENDCAP GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

T5 NPP Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid “tunnel” effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The Reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner

NPA - Asymetric metal reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT Aligner.

NPGR - Metal louvre

This can be clipped in the NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). The reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). It provides a combination of good shielding and high light output. Need to order NPT and NPR reflector separately.

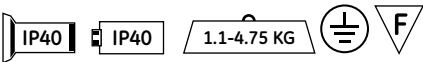
TCGR - End cap

Made of polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. NPT and NPR reflectors need to be ordered separately.

NPLT - Aligner for Reflectors

Made of polycarbonate; snaps in. The NPT/NPA and NPR reflectors need to be ordered separately.

T8 NPP



Lighting fittings for T8 fluorescent lamps suitable for large areas e.g. retail, warehouse. An ideal solution for ceiling installations where access is an issue. T8 NPP is compatible with the NAL trunking system, and the NPQ is the ideal solution for track mounting the NAL system with full compatibility.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Magnetic and electronic types are available. Magnetic Ballast low-loss 230V/50Hz with incorporated protected discharge resistance capacitor. Electronic Ballast (EB) is 220-240V/50-60Hz. Fireproof wires, connector with fuse, screw terminals for conductors up to 2.5mm².

Installation/ Maintenance

- **Starter:** On the side of body, it allows easy maintenance without the need to remove the lamp or accessories.
- **Cable entry:** using a dedicated hole in body Ø18mm grommet or through knockouts at the end of the fittings.

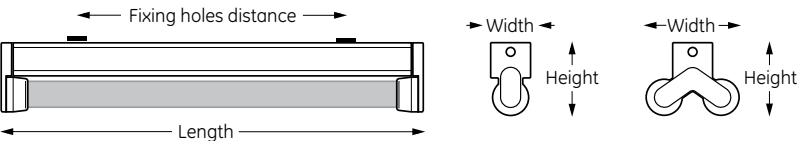
Accessories

- A wide-choice of accessories are available, Reflectors (NPRG)
- NPT – Metal Reflector, NPR – Metal Reflector with clip-fit end elements, NPA – Asymmetric Metal Reflector, NPGT/NPGTL – tube guard, NPS – Metal guard NPLT – Aligner for NPT – NPR – NPA Reflectors, TCGR – End Cap.

Lamp

- Luminaire is supplied without lamp.

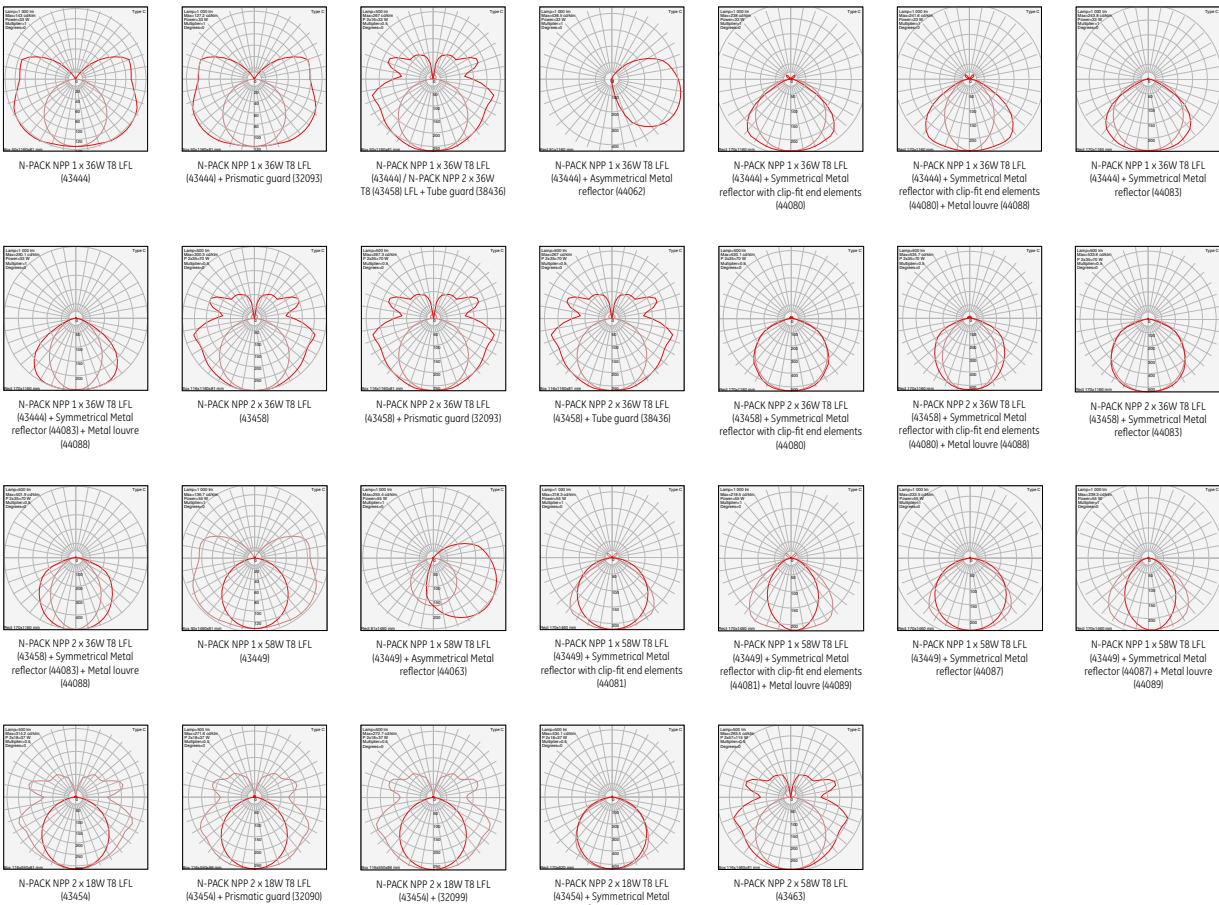
Dimensions [mm]



Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
18W				
1 x 18W T8 LFL	620	470	91	50
2 x 18W T8 LFL	620	470	91	116
30W				
1x 30W T8 LFL	925	605	91	50
36W				
1 x 36W T8 LFL	1230	800	91	50
2 x 36W T8 LFL	1230	800	91	116
58W				
1 x 58W T8 LFL	1530	800	91	50
2 x 58W T8 LFL	1530	800	91	116



Photometric data



T8 NPP specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T8 NPP product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 18	NL N-PACK NPP118H 33 230 GE	1 x 18W T8 LFL	No	1.3	No	1	White	230V	IP40	43432
2 x 18	NL N-PACK NPP218EB LL 230 GE	2 x 18W T8 LFL	No	1.1	No	1	White	220-240V	IP40	43454
2 x 18	NL N-PACK NPP218H 33 230 GE	2 x 18W T8 LFL	No	1.4	No	1	White	230V	IP40	43455
1 x 30	NL N-PACK NPP130H 33 230 GE	1 x 30W T8 LFL	No	1.6	No	1	White	230V	IP40	43435
1 x 36	NL N-PACK NPP136EB LL 230 GE	1 x 36W T8 LFL	No	1.85	No	1	White	220-240V	IP40	43444
1 x 36	NL N-PACK NPP136H 33 230 GE	1 x 36W T8 LFL	No	2.1	No	1	White	230V	IP40	43445
1 x 36	NL N-PACK NPP136HEES LL 230 GE	1 x 36W T8 LFL	No	2.55	For 1 hour	1	White	230V	IP40	43447
2 x 36	NL N-PACK NPP236EB LL 230 GE	2 x 36W T8 LFL	No	2.4	No	1	White	220-240V	IP40	43458
2 x 36	NL N-PACK NPP236H 33 230 GE	2 x 36W T8 LFL	No	3.1	No	1	White	230V	IP40	43460
1 x 36	NL N-PACK NPP136EBEES LL 230V GE	1 x 36W T8 LFL	No	2.3	For 3 hours	1	White	220-240V	IP40	45624
1 x 58	NL N-PACK NPP158EB LL 230 GE	1 x 58W T8 LFL	No	2.2	No	1	White	220-240V	IP40	43449
1 x 58	NL N-PACK NPP158H 33 230 GE	1 x 58W T8 LFL	No	2.7	No	1	White	230V	IP40	43450
1 x 58	NL N-PACK NPP158HEES LL 230 GE	1 x 58W T8 LFL	No	3.25	For 1 hour	1	White	230V	IP40	43452
2 x 58	NL N-PACK NPP258EB LL 230 GE	2 x 58W T8 LFL	No	3.1	No	1	White	220-240V	IP40	43463
2 x 58	NL N-PACK NPP258H 33 230 GE	2 x 58W T8 LFL	No	4.3	No	1	White	230V	IP40	43464
2 x 58	NL N-PACK NPP258HEES LL 230 GE	2 x 58W T8 LFL	No	4.75	For 1 hour	1	White	230V	IP40	43466
2 x 58	NL N-PACK NPP258EBEES LL 230V GE	2 x 58W T8 LFL	No	3.55	For 3 hours	1	White	220-240V	IP40	45625

T8 NPP Accessories

Product code	Picture	Description	1 x 18W 43432	2 x 18W 43454 43455	1 x 30W 43435	1 x 36W 43444 43445 43447	2 x 36W 43458 43460	1 x 58w 45624 43449 43450 43452	2 x 58W 43463 43464 43466 45625
44042		Symmetrical Metal reflector NL N-PACK NPT2 REFLECTOR GE	•						
44082		Symmetrical Metal reflector NL N-PACK NPT4 REFLECTOR GE				•			
44086		Symmetrical Metal reflector NL N-PACK NPT5 REFLECTOR GE						•	
44060		Symmetrical Metal reflector NL N-PACK NPT22 REFLECTOR GE	•	•					
44083		Symmetrical Metal reflector NL N-PACK NPT24 REFLECTOR GE				•	•		
44087		Symmetrical Metal reflector NL N-PACK NPT25 REFLECTOR GE						•	•
44080		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR4 REFLECTOR GE				•	•		
44081		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR5 REFLECTOR GE						•	•
44061		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR24 REFLECTOR GE					•		
44085		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR25 REFLECTOR GE							•
44062		Asymmetrical Metal reflector NL N-PACK NPA4 REFLECTOR GE				•			
44063		Asymmetrical Metal reflector NL N-PACK NPA5 REFLECTOR GE						•	
44088		Metal louvre NL N-PACK NPGR24 LOUVRE GE				•	•		
44089		Metal louvre NL N-PACK NPGR25 LOUVRE GE						•	•
32090		Prismatic guard OL N-PACK NPGT2 PROTECTION TUBE GE	•	•					
32092		Prismatic guard OL N-PACK NPGT3 PROTECTION TUBE			•				
32093		Prismatic guard OL N-PACK NPGT4 PROTECTION TUBE GE				•	•		
32095		Prismatic guard OL N-PACK NPGT5 PROTECTION TUBE GE						•	•

Product code	Picture	Description	1 x 18W	2 x 18W	1 x 30W	1 x 36W	2 x 36W	1 x 58w	2 x 58W
			43432	43454 43455	43435	43444 43445 43447	43458 43460	45624 43449 43450 43452	43463 43464 43466 45625
38434		Tube guard OL N-PACK NPGTL2 PROTECTIVE TUBE GE	•	•					
38435		Tube guard OL N-PACK NPGTL3 PROTECTIVE TUBE GE			•				
38436		Tube guard OL N-PACK NPGTL4 PROTECTIVE TUBE GE				•	•		
38437		Tube guard OL N-PACK NPGTL5 PROTECTIVE TUBE GE						•	•
44064		Metal guard NPS/P NL N-PACK NPSP2 WIREGUARD GE	•						
44065		Metal guard NPS/P NL N-PACK NPSP4 WIREGUARD GE				•			
44066		Metal guard NPS/P NL N-PACK NPSP5 WIREGUARD GE						•	
44067		Metal guard NPS/P NL N-PACK NPSP22 WIREGUARD GE		•					
44068		Metal guard NPS/P NL N-PACK NPSP24 WIREGUARD GE					•		
44069		Metal guard NPS/P NL N-PACK NPSP25 WIREGUARD GE							•
44070		Metal guard NPS/Q NL N-PACK NPSQ2 WIREGUARD GE	•						
44071		Metal guard NPS/Q NL N-PACK NPSQ4 WIREGUARD GE				•			
44084		Metal guard NPS/Q NL N-PACK NPSQ5 WIREGUARD GE						•	
44072		Metal guard NPS/Q NL N-PACK NPSQ22 WIREGUARD GE		•					
44073		Metal guard NPS/Q NL N-PACK NPSQ24 WIREGUARD GE					•		
44074		Metal guard NPS/Q NL N-PACK NPSQ25 WIREGUARD GE							•
45311		Aligner NL N-PACK NPLT ALIGNER GE	•	•		•	•	•	•
62571		End cap NL N-PACK TCGR TESTATE ENDCAP GE	•	•		•	•	•	•

T8 NPP Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid “tunnel” effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The Reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPA - Asymetric metal reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT aligner.

NPGR - Metal louvre

Can be clipped in NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). Reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Combination of good shielding and high light output. Need to order NPT and NPR reflector separately.

TCGR - End cap

Made of polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. Need to order NPT and NPR reflector separately.

NPLT - Aligner for Reflectors

Made of polycarbonate; snaps in. Need to order NPT/NPA and NPR reflector separately.

NPGT/NPGTL T8 - Prismatic/tube-guard

Made of self-extinguishing, UV-stabilized, anti-yellowing, robust polycarbonate. Best for mounting N-PACK fittings in medium/large industrial plants. Mounting brackets included. Universal starter (FSU) should be replaced by safety fast starter (VIT 2) when using with tube guard.

NPS T8 - Metal guard

Made of arc-welded steel wire with clear zinc-plated finish. Swings open for easy lamp replacement. Two models available: NPS/P: nickel steel brackets anchored to the back of NPP fittings. NPS/Q: nickel steel brackets to be mounted on NPP fittings by fast threaded nut of anchoring system.

NAL
Trunking System

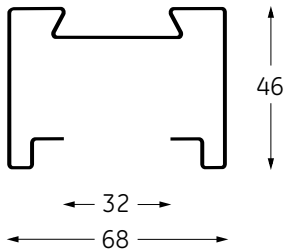


Surface or suspension channeling systems. Trunking is cold-rolled, phosphate white epoxy polyester powder coated steel sheet (thickness: 0.8mm).

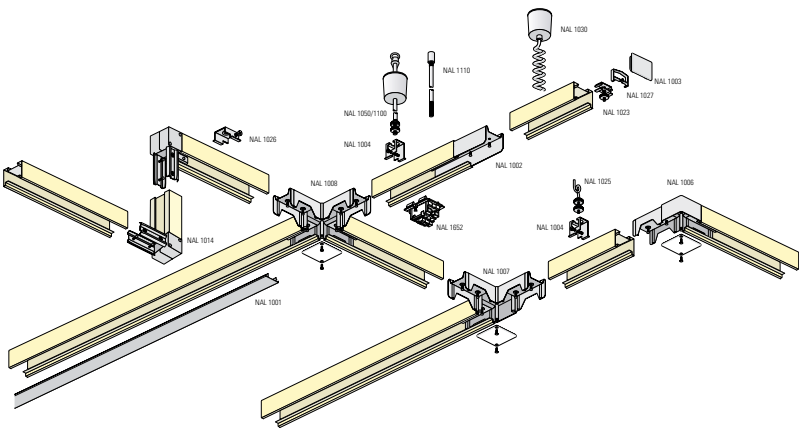
Installation

- **Fast electric wiring in NAL Trunking system:** One clamp anchored to ballast for fast electric wiring. NAL 1652 connector (not supplied) to be pre-installed in the track.
- **Fast mechanic installation in NAL Trunking system:** The nut is attached to the body, a split pin co-axial to the nut and a spring coupling to channel system.

Channel system cross section dimensions [mm]



System and components



T5 NPQ



IP40 IP40 0.5-1.9 KG

Lighting fittings for T5 fluorescent lamps suitable for large areas such as retail and warehouses. An ideal solution for ceiling installation where access is an issue. T5 NPQ is fully compatible with NAL trunking system.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Only electronic version is available, 230-240V/50-60Hz, connector with fuse, screw terminals for conductors up to 2.5mm².

Installation/ Maintenance

Cable entry: using a dedicated hole in body Ø18mm grommet or through knockouts at the end of the fittings. Surface mounting installation by the supplied accessories.

Fast electric wiring in NAL Trunking system: One clamp anchored to ballast for fast electric wiring. NAL 1652 connector (not supplied) to be pre-installed in the track. Pls see more details under NAL Trunking system.

Fast mechanic installation in NAL Trunking system: Nut attached to body, a split pin co-axial to the nut and a spring coupling to channel system. Please see more details under NAL Trunking system.

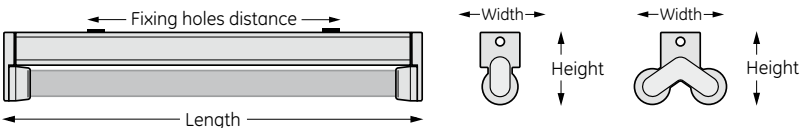
Accessories

- Wide-choice of accessories are available, Reflectors (NPGR)
- NPT – Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPLT - Aligner for NPT – NPR – NPA Reflectors, TCGR - End Cap.

Lamp

- Luminaire is supplied without lamp.

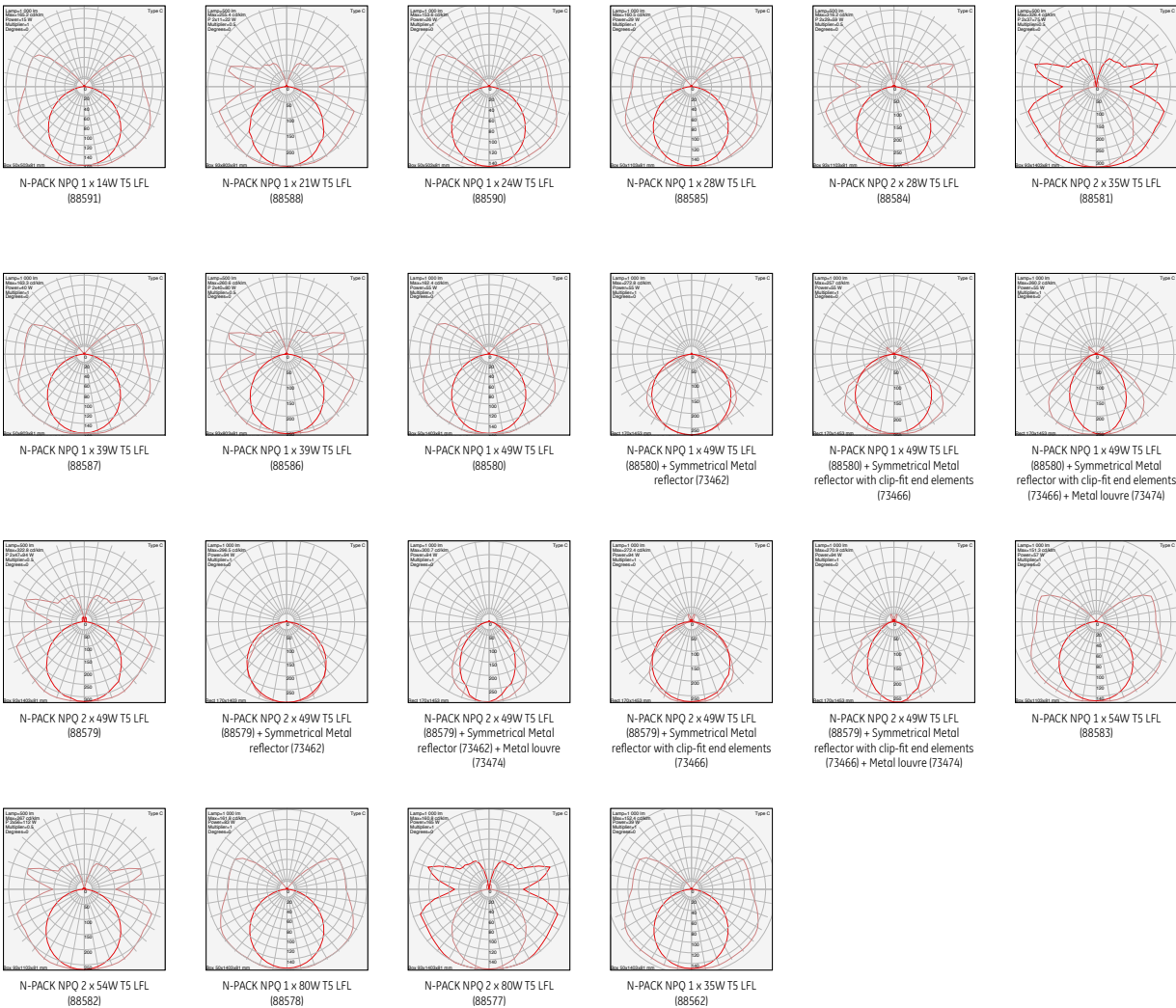
Dimensions [mm]



Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
14W				
1 x 14W TS LFL	573	420	91	50
21W				
1 x 21W TS LFL	873	720	91	50
2 x 21W TS LFL	873	720	91	93
24W				
1 x 24W TS LFL	573	420	91	50
28W				
1 x 28W TS LFL	1173	640	91	50
2 x 28W TS LFL	1173	640	91	93
35W				
1 x 35W TS LFL	1473	870	91	50
2 x 35W TS LFL	1473	870	91	93
39W				
1 x 39W TS LFL	873	720	91	50
2 x 39W TS LFL	873	720	91	93
49W				
1 x 49W TS LFL	1473	870	91	50
2 x 49W TS LFL	1473	870	91	93
54W				
1 x 54W TS LFL	1173	640	91	50
2 x 54W TS LFL	1173	640	91	93
80W				
1 x 80W TS LFL	1473	870	91	50
2 x 80W TS LFL	1473	870	91	93

Industrial Car park Retail

Photometric data



T5 NPQ specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T5 NPQ product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 14	NL N-PACK NPQ114EB T5 LL 220-240 GE	1 x 14W T5 LFL	No	0.5	No	1	White	220-240V	IP40	88591
2 x 21	NL N-PACK NPQ221EB T5 LL 220-240 GE	2 x 21W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88588
1 x 24	NL N-PACK NPQ124EB T5 LL 220-240 GE	1 x 24W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88590
1 x 28	NL N-PACK NPQ128EB T5 LL 220-240 GE	1 x 28W T5 LFL	No	0.9	No	1	White	220-240V	IP40	88585
2 x 28	NL N-PACK NPQ228EB T5 LL 220-240 GE	2 x 28W T5 LFL	No	1	No	1	White	220-240V	IP40	88584
1 x 35	NL N-PACK NPQ135EB EES LL 220-240V GE	1 x 35W T5 LFL	No	1.9	No	1	White	220-240V	IP40	75074
2 x 35	NL N-PACK NPQ235EB T5 LL 220-240 GE	2 x 35W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88581
1 x 39	NL N-PACK NPQ139EB T5 LL 220-240 GE	1 x 39W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88587
2 x 39	NL N-PACK NPQ239EB T5 LL 220-240 GE	2 x 39W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88586
1 x 49	NL N-PACK NPQ149EB T5 LL 220-240 GE	1 x 49W T5 LFL	No	1.1	No	1	White	220-240V	IP40	88580
2 x 49	NL N-PACK NPQ249EB T5 LL 220-240 GE	2 x 49W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88579
1 x 54	NL N-PACK NPQ154EB T5 LL 220-240 GE	1 x 54W T5 LFL	No	0.9	No	1	White	220-240V	IP40	88583
2 x 54	NL N-PACK NPQ254EB T5 LL 220-240 GE	2 x 54W T5 LFL	No	1	No	1	White	220-240V	IP40	88582
1 x 80	NL N-PACK NPQ180EB T5 LL 220-240 GE	1 x 80W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88578
2 x 80	NL N-PACK NPQ280EB T5 LL 220-240 GE	2 x 80W T5 LFL	No	1.3	No	1	White	220-240V	IP40	88577

T5 NPQ Accessories

Product code	Picture	Description	1 x 14W 88591	1 x 21W 88588	1 x 24W 88590	1 x 28W 88585	2 x 28W 88584	1 x 35W 75074	2 x 35W 88581	1 x 39W 88587	2 x 39W 88586	1 x 49W 88580	2 x 49W 88579	1 x 54W 88583	2 x 54W 88582	1 x 80W 88578	2 x 80W 88577
73455		Symmetrical Metal reflector NL NPACK NPT 1X14-24 REFLECTOR GE	•		•												
73456		Symmetrical Metal reflector NL NPACK NPT 1X21-39 REFLECTOR GE		•						•							
73457		Symmetrical Metal reflector NL NPACK NPT 1X28-54 REFLECTOR GE				•											
73458		Metal reflector NL NPACK NPT 1X35-49-80 REFLECTOR GE						•				•				•	
73459		Symmetrical Metal reflector NL NPACK NPT 1/2X14-24 REFLECTOR GE	•		•												
73460		Symmetrical Metal reflector NL NPACK NPT 1/2X21-39 REFLECTOR GE		•						•	•						
73461		Symmetrical Metal reflector NL NPACK NPT 1/2X28-54 REFLECTOR GE				•	•							•	•		
73462		Symmetrical Metal reflector NL NPACK NPT 1/2X35-49-80 REFLECTOR GE						•	•			•	•			•	•
73463		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X14-24 REFLECTOR GE	•		•												
73464		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X21-39 REFLECTOR GE		•						•	•						
73465		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X28-54 REFLECTOR GE				•	•							•	•		

Product code	Picture	Description	1 x 14W 88591	1 x 21W 88588	1 x 24W 88590	1 x 28W 88585	2 x 28w 88584	1 x 35W 75074	2 x 35W 88581	1 x 39W 88587	2 x 39W 88586	1 x 49W 88580	2 x 49W 88579	1 x 54W 88583	2 x 54W 88582	1 x 80W 88578	2 x 80W 88577
73466		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X35-49-80 REFLECTOR GE						•	•			•	•			•	•
73467		Asymmetrical Metal reflector NL NPACK NPA 1X14-24 REFLECTOR GE	•		•												
73468		Asymmetrical Metal reflector NL NPACK NPA 1X21-39 REFLECTOR GE		•						•	•						
73469		Asymmetrical Metal reflector NL NPACK NPA 1X28-54 REFLECTOR GE				•	•							•	•		
73470		Asymmetrical Metal reflector NL NPACK NPA 1X35-49-80 REFLECTOR GE						•	•			•	•			•	•
73471		Metal louvre NL NPACK NPGR 1/2X14-24 LOUVRE GE	•		•												
73472		Metal louvre NL NPACK NPGR 1/2X21-39 LOUVRE GE		•						•	•						
73473		Metal louvre NL NPACK NPGR 1/2X28-54 LOUVRE GE				•	•							•	•		
73474		Metal louvre NL NPACK NPGR 1/2X35-49-80 LOUVRE GE						•	•							•	•
45311		Aligner for all metal reflectors NL N-PACK NPLT ALIGNER GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
62571		End cap for all metal reflectors NL N-PACK TCGR TESTATE ENDCAP GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

T5 NPQ Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting is possible with the NPLT Aligner.

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid “tunnel” effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting is possible with NPLT Aligner.

NPA - Asymetric Metal Reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT aligner.

NPGR - Metal Louvre

This can be clipped in NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). Reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Combination of good shielding and high light output. Need to order NPT and NPR reflector separately.

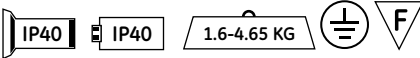
TCGR - End cap

Manufactured from polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. Customers need to order NPT and NPR reflector separately.

NPLT - Aligner for Reflectors

Manufactured from polycarbonate; snaps in. Customers need to order NPT/NPA and NPR reflector separately.

T8 NPQ



Lighting fittings for T8 fluorescent lamps suitable for large areas e.g. retail, warehouse applications. It is an ideal solution for ceiling installations. In addition, NPQ is fully compatible with the NAL trunking system.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Magnetic and electronic types are available. Magnetic Ballast low-loss 230V/50Hz with incorporated protected discharge resistance capacitor. Electronic Ballast (EB) is 230-240V/50- 60Hz. Available with fireproof wires, connector with fuse and screw terminals for conductors up to 2.5mm².

Installation/ Maintenance

CCable entry using a dedicated hole in body Ø18mm grommet or through knockouts at the end of the fittings. Surface mounting installation by the supplied accessories. Fast electric wiring in NAL Trunking system: One clamp anchored to ballast for fast electric wiring. NAL 1652 connector (not supplied) to be pre-installed in the track. Further details can be found under the NAL Trunking system.

Fast mechanic installation in NAL Trunking system: nut attached to body, a split pin co-axial to the nut and a spring coupling to channel system. Further details can be found under the NAL Trunking system.

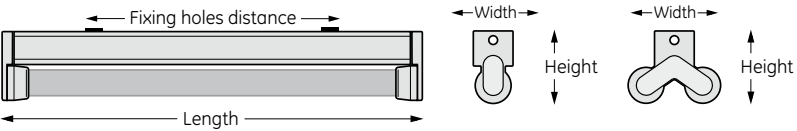
Lamp

- Luminaire is supplied without lamp.

Accessories

- A wide-choice of accessories are available, Reflectors (NPGR)
- NPT – Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPLT - Aligner for NPT – NPR – NPA Reflectors, TCGR - End Cap.

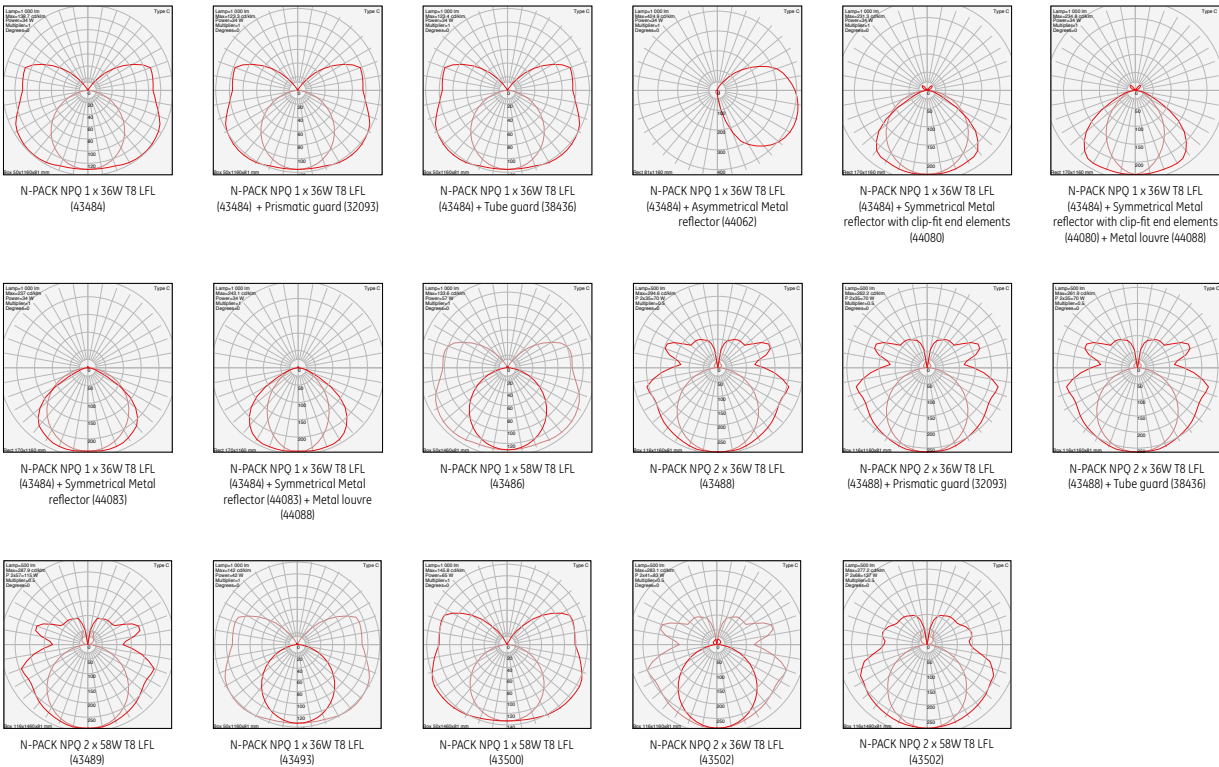
Dimensions [mm]



Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
18W				
1 x 18W T8 LFL	620	470	91	50
2 x 18W T8 LFL	620	470	91	116
30W				
1x 30W T8 LFL	925	605	91	50
36W				
1 x 36W T8 LFL	1230	800	91	50
2 x 36W T8 LFL	1230	800	91	116
58W				
1 x 58W T8 LFL	1530	800	91	50
2 x 58W T8 LFL	1530	800	91	116



Photometric data



T8 NPQ product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 36	NL N-PACK NPQ136EB LL 230 GE	1 x 36W T8 LFL	No	1.6	No	1	White	220-240V	IP40	43484
1 x 36	NL NPACK NPQ136HEES LL 230 GE	1 x 36W T8 LFL	No	2.25	For 1 hour	1	White	230V	IP40	43485
1 x 58	NL N-PACK NPQ158EB LL 230 GE	1 x 58W T8 LFL	No	2.0	No	1	White	220-240V	IP40	43486
1 x 58	NL NPACK NPQ158HEES LL 230 GE	1 x 58W T8 LFL	No	2.8	For 1 hour	1	White	230V	IP40	43487
2 x 36	NL N-PACK NPQ236EB LL 230 GE	2 x 36W T8 LFL	No	2.1	No	1	White	220-240V	IP40	43488
2 x 58	NL N-PACK NPQ258EB LL 230 GE	2 x 58W T8 LFL	No	2.7	No	1	White	220-240V	IP40	43489
2 x 58	NL NPACK NPQ258HEES LL 230 GE	2 x 58W T8 LFL	No	4.65	For 1 hour	1	White	230V	IP40	43491

T8 NPQ specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T8 NPQ Accessories

Product code	Picture	Description	1 x 36W 43484 43485	2 x 36W 43488	1 x 58w 43486 43487	2 x 58W 43489 43491
44082		Symmetrical Metal reflector NL N-PACK NPT4 REFLECTOR GE	•			
44086		Symmetrical Metal reflector NL N-PACK NPT5 REFLECTOR GE			•	
44083		Symmetrical Metal reflector NL N-PACK NPT24 REFLECTOR GE	•	•		
44087		Symmetrical Metal reflector NL N-PACK NPT25 REFLECTOR GE			•	•
44080		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR4 REFLECTOR GE	•	•		
44081		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR5 REFLECTOR GE			•	•
44061		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR24 REFLECTOR GE		•		
44085		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR25 REFLECTOR GE				•
44062		Asymmetrical Metal reflector NL N-PACK NPA4 REFLECTOR GE	•			
44063		Asymmetrical Metal reflector NL N-PACK NPA5 REFLECTOR GE			•	
44088		Metal louvre NL N-PACK NPGR24 LOUVRE GE	•	•		
44089		Metal louvre NL N-PACK NPGR25 LOUVRE GE			•	•
32093		Prismatic guard OL N-PACK NPGT4 PROTECTION TUBE GE	•	•		

Product code	Picture	Description	1 x 36W 43484 43485	2 x 36W 43488	1 x 58w 43486 43487	2 x 58W 43489 43491
32095		Prismatic guard OL N-PACK NPGT5 PROTECTION TUBE GE			•	•
38436		Tube guard OL N-PACK NPGTL4 PROTECTIVE TUBE GE	•	•		
38437		Tube guard OL N-PACK NPGTL5 PROTECTIVE TUBE GE			•	•
44065		Metal guard NPS/P NL N-PACK NPSP4 WIREGUARD GE	•			
44066		Metal guard NPS/P NL N-PACK NPSP5 WIREGUARD GE			•	
44068		Metal guard NPS/P NL N-PACK NPSP24 WIREGUARD GE		•		
44069		Metal guard NPS/P NL N-PACK NPSP25 WIREGUARD GE				•
44071		Metal guard NPS/Q NL N-PACK NPSQ4 WIREGUARD GE	•			
44084		Metal guard NPS/Q NL N-PACK NPSQ5 WIREGUARD GE			•	
44073		Metal guard NPS/Q NL N-PACK NPSQ24 WIREGUARD GE		•		
44074		Metal guard NPS/Q NL N-PACK NPSQ25 WIREGUARD GE				•
45311		Aligner NL N-PACK NPLT ALIGNER GE	•	•	•	•
62571		End cap NL N-PACK TCGR TESTATE ENDCAP GE	•	•	•	•

T8 NPQ Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid “tunnel” effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPA - Asymetric metal reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT Aligner.

NPGR - Metal louvre

This can be clipped in NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). Reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). It provides a combination of good shielding and high light output. Costumers need to order NPT and NPR reflectors separately.

TCGR - End cap

Made of polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. Customers need to order NPT and NPR reflectors separately.

NPLT - Aligner for Reflectors

Manufactured from polycarbonate and simply snaps in to place. Customers need to order NPT/NPA and NPR reflectors separately.

NPGT/NPGTL T8 - Prismatic/tube-guard

Made of self-extinguishing, UV-stabilized, anti-yellowing, robust polycarbonate. Best for mounting N-PACK fittings in medium/large industrial plants. Mounting brackets included. Universal starter (FSU) should be replaced by safety fast starter (VIT 2) when using with tube guard.

NPS T8 - Metal guard

Made of arc-welded steel wire with clear zinc-plated finish. Swings open for easy lamp replacement. Two models available: **NPS/P:** Nickel steel brackets anchored to the back of NPP fittings. **NPS/Q:** Nickel steel brackets to be mounted on NPP fittings by fast threaded nut of anchoring system.

Eurobay



Eurobay luminaires have been designed for interior applications and features a low-profile design, equipped with HPS or Metal Halide lamps of up to 400W. Version "CD" is also available, where an additional halogen lamp (100W) will light up and operate as long as the main discharge lamp can reach its rated power at switch on. Ideal for industrial and commercial environments, with medium-high installation heights.

Structures and materials

- **Main body:** Die-cast aluminium body with slide-adjustable steel suspension hook for balancing the fitting. The wiring box connected to the main body and manufactured from reinforced Polyamide fibreglass. The wiring box contains the lamp operating components, which are mounted on a removable galvanised steel plate. Accessed by way of a hinged door fitted with a neoprene gasket and secured by four stainless steel screws.
- **Colour:** Metal.
- **Reflectors** – EBR & EBRD (to order separately)

High purity aluminium reflector 99.85% anodised, mirror-finish aluminium reflector ideal for clear bulbs. The reflector is fitted with a silicone gasket and secured to the main body by four screws. Designed to fit a wire guard and protective glass.

Lamp holder

- Plastic E40 version. The lampholder can be adjusted in 4 different positions to optimise light distribution in relation to the type of lamp used and the installation height.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Replace light source by removing diffuser, safety glass, wireguard.

Accessories

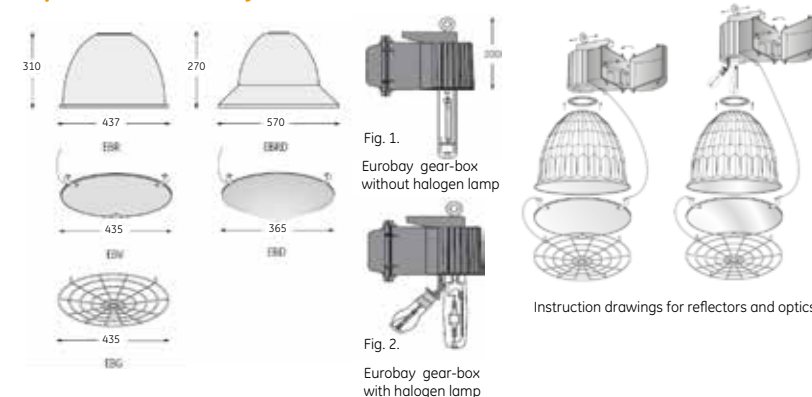
- **EBV-Protective glass** (to order separately)
Providing IP65 for luminaires. Tempered glass fixed to the reflector by three stainless steel clips; supplied with safety chain attached to the main body.

- **EBD-Diffuser Polycarbonate** (to order separately)
Providing IP23 for open luminaires or luminaires with wire guard. UV-stabilized, self-extinguishing polycarbonate, fixed by 6 clips to the body.
- **EBG-Wire guard** (to order separately)
Galvanised steel wire guard used in conjunction with the protective glass, and supplied complete with safety chain.

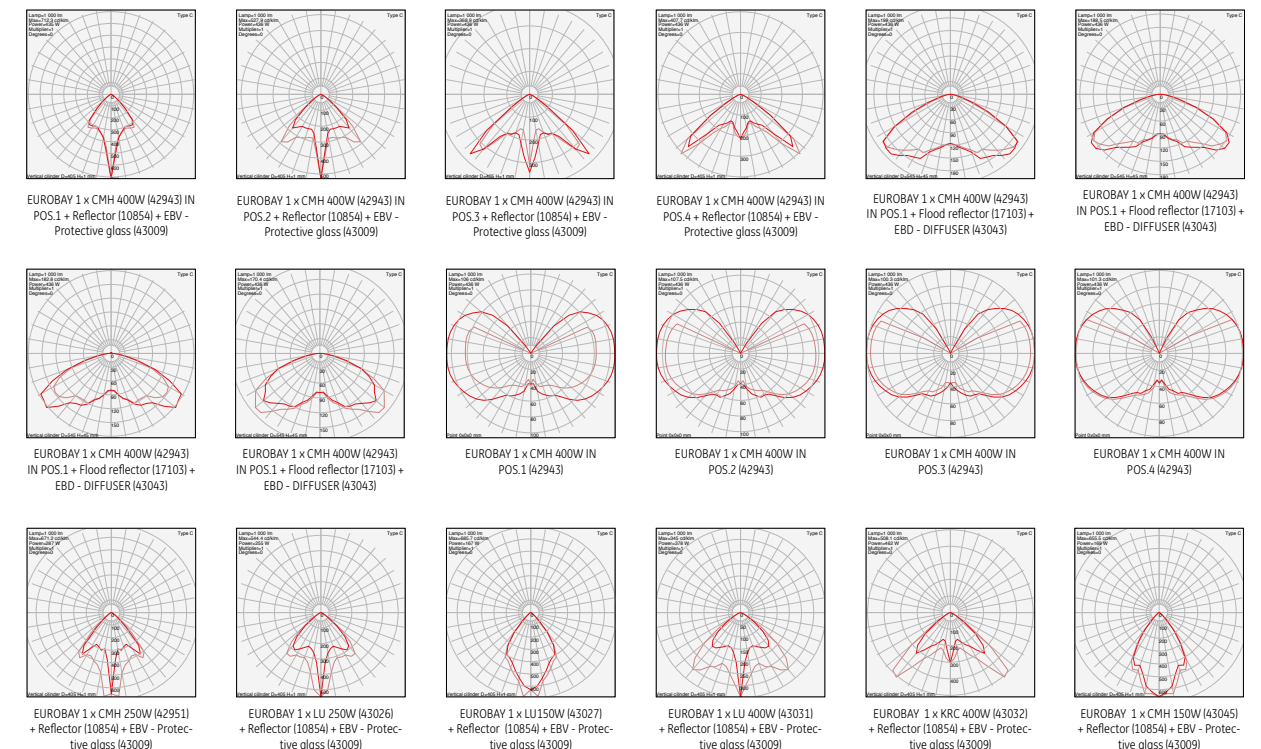
Lamp

- Complete with lamp. EBV protective glass is mandatory when luminaire is fitted with a Metal Halide lamp.

Optical assembly dimensions [mm]



Photometric data



Eurobay specification

Mounting type	Suspended
Reflector	Requires optical assembly
Class	Class II
Operating Temperature [°C]	25

Eurobay product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 150	NL EUROBAY EB150MCDCMH GY CWL 230V GE	1 x CMH 150W	CMH150	4	1	Metal	230V	IP65	IP23-65	43001
1 x 150	NL EUROBAY EB150SGY GREY CWL 230V GE	1 x LU 150W	HPS150	4.39	1	Metal	230V	IP65	IP23-65	43027
1 x 150	NL EUROBAY EB150MGYCMH GREY CWL 230V GE	1 x CMH 150W	CMH150	4.3	1	Metal	230V	IP65	IP23-65	43045
1 x 250	NL EUROBAY EB250MCDCMH GY CWL 230V GE	1 x CMH 250W	CMH250	5.6	1	Metal	230V	IP65	IP23-65	43000
1 x 250	NL EUROBAY EB250SCDGY GREY CWL 230V GE	1 x LU 250W	HPS250	5.6	1	Metal	230V	IP65	IP23-65	43017
1 x 250	NL EUROBAY EB250SGY GREY CWL 230V GE	1 x LU 250W	HPS250	6.08	1	Metal	230V	IP65	IP23-65	43026
1 x 250	NL EUROBAY EB250M CMH GY CWL 230V GE	1 x CMH 250W	CMH250	5.4	1	Metal	230V	IP65	IP23-65	42951
1 x 250	NL EUROBAY EB250MGY GREY CWL 230V GE	1 x ARC 250W	ARC250	6.04	1	Metal	230V	IP65	IP23-65	43035
1 x 400	NL EUROBAY EB400MCMH GY CWL 230V GE	1 x CMH 400W	CMH400	7.47	1	Metal	230V	IP65	IP23-65	42943
1 x 400	NL EUROBAY EB400MCDCMH GY CWL 230V GE	1 x CMH 400W	CMH400	6.8	1	Metal	230V	IP65	IP23-65	42952
1 x 400	NL EUROBAY EB400SCDGY GREY CWL 230V GE	1 x LU 400W	HPS400	6.8	1	Metal	230V	IP65	IP23-65	43015
1 x 400	NL EUROBAY EB400MCDGY GREY CWL 230V GE	1 x KRC 400W	KRC400	7.97	1	Metal	230V	IP65	IP23-65	43022
1 x 400	NL EUROBAY EB400SGY GREY CWL 230V GE	1 x LU 400W	HPS400	7.79	1	Metal	230V	IP65	IP23-65	43031
1 x 400	NL EUROBAY EB400MGY GREY CWL 230V GE	1 x KRC 400W	KRC400	7.63	1	Metal	230V	IP65	IP23-65	43032
1 x 400	NL EUROBAY EB250MCDGY GREY CWL 230V GE	1 x ARC 400W	ARC400	6.43	1	Metal	230V	IP65	IP23-65	43023

Eurobay Accessories

Product code	Picture	Description	CMH Lamps	HPS Lamps
			42943 42951 42952 43000 43001 43045	43015 43017 43022 43023 43026 43027 43031 43032 43035
10854		Reflector OL EUROBAY EBR/N REFLECTOR GE	•	•
17103		Flood reflector OL EUROBAY EBRD REFLECTOR FLOOD GE	Mandatory	•
43009		EBV - Protective glass NL EUROBAY EBV PROTECTIVE GLASS GE	•	•
43010		EBG - Wireguard NL EUROBAY EBG WIREGUARD GE	•	•
43043		EBD - DIFFUSER NL EUROBAY EBD DIFFUSER FOR EBRD GE	•	•

Filterglow



This luminaire is suitable for use in damp environments, with an enclosed and filtered optical assembly, for discharge lamps up to 1000W. An ideal solution for industrial lighting applications, including environments with a high level of dust and fumes; mounting height over 5 metres.

Structures and materials

- Ballast housing**
Available in two sizes: AG5 up to 1000W and AP5 up to 400W. Die-cast aluminium ballast housing, with grey polyester powder paint finish applied electrostatically. The sliding disconnecter guarantees a simple and safe electrical and mechanical connection to the optical assembly. Protected against accidental contact, the connection system also facilitates maintenance operations.
- Optical assembly - FG17 & FG22**
The die-cast conical cover houses the E40 porcelain lamp socket. Available in 11 different socket positions, which can be easily changed on site with an ordinary screwdriver due to a die-cast inner spiral. The lamp socket is fitted with an anti-vibration device. The borosilicate glass top cone directs some light towards the upper hemisphere, providing a comfortable visual environment, lighting the ceilings and reducing the contrast between the luminaire and the surrounding environment. The faceted reflector reduces the glare of the lamp and it is available in two sizes: FG-17 for luminaires up to 400W and FG-22 up to 1000W. The tempered glass door is

resistant to thermal and mechanical stress. Fixed in a metal ring with a silicone gasket, it is fitted with a hinge and stainless steel latches, which ensure easy removal.

Lamp holder

- Porcelain E40 version.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

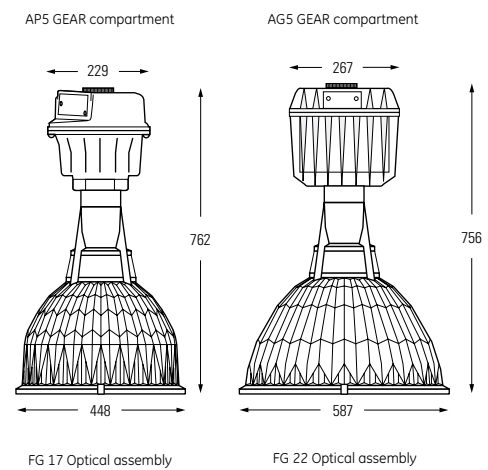
Accessories

- Hooks and mounting receptacles are available. IP65 hook is orderable as accessories.

Lamp

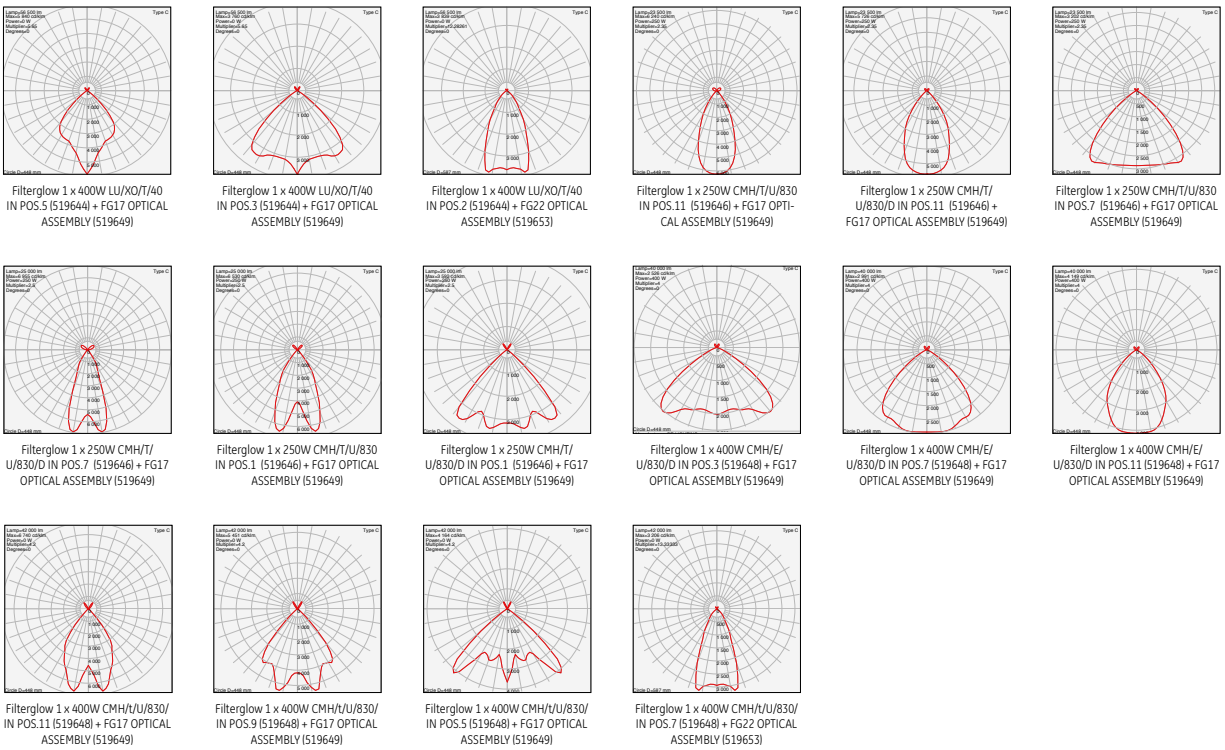
- Luminaire is supplied without lamp.

Optical assembly dimensions [mm]



Industrial

Photometric data



Filterglow product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 250	GEAR BOX FG AP5 CMH 250 T U 230V 50Hz	1 x 250W CMH	No	8.1	1	Grey	230V	IP52	IP65	519646
1 x 250	GEAR BOX FG AP5 MH 250W 230V 50HZ	1 x 250W MVR	No	8	1	Grey	230V	IP52	IP65	519645
1 x 400	GEAR BOX FG AP5 HPS 400W 230V 50Hz	1 x 400W LU	No	8.1	1	Grey	230V	IP52	IP65	519644
1 x 400	GEAR BX FG AP5 CMH 400 T VBU 230V50Hz	1 x 400W CMH	No	8.1	1	Grey	230V	IP52	IP65	519648
1 x 400	GEAR BOX FG AP5 MH 400W 230V 50HZ	1 x 400W MVR	No	9.6	1	Grey	230V	IP52	IP65	519647
1 x 600	GEAR BOX FG AG5 HPS 600W 230V 50Hz	1 x 600W LU	No	10.3	1	Grey	230V	IP52	IP65	519650
1 x 1000	GEAR BOX FG AG5 MH1000W 230V 50HZ	1 x 1000W MVR	No	13.1	1	Grey	230V	IP52	IP65	519652

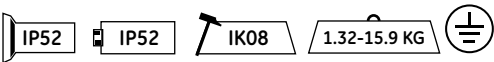
Filterglow specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

Filterglow Accessories

Product code	Picture	Description	AP5 HPS 400W 519644	AP5 CMH 250W 519646	AP5 CMH 400W 519648	AG5 HPS 600W 519650	AP5 MVR 250W 519645	AP5 MVR 400W 519647	AG5 HPS 1000W 519652
519649		Optical assembly FG-17 OPTICAL ASSEMBLY	•	•	•		•	•	
519653		Optical assembly FG-22 OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519461		Mounting receptacle CAJA DE CONEXION A2	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•

Versabeam



Enclosed luminaire, suitable for damp environments for discharge lamps. The acrylic diffuser has a technologically innovative design which, thanks to the combined reflection and refraction prisms, guarantees a high level of efficiency and extraordinary illumination of vertical surfaces, with great visual comfort. Particularly suitable for sport, commercial and industrial applications, including environments with a high level of dust and fumes; mounting heights from 4 to 10 metres.

Structures and materials

- Ballast housing**
Ballast housing for discharge lamps. Die-cast aluminium ballast housing, with grey polyester powder paint finish applied electrostatically and cured at 180°C over an anti-corrosion layer. Easy installation using a 3/4" NPSC threaded hub, which is located in the housing and is resistant to vibrations.
- Optical assembly**
Aluminium spun reflector acting as a support for the acrylic reflector/refractor. Technologically innovative acrylic prismatic diffuser, injection moulded and UV stabilised. This can be removed without the need of tools to facilitate replacement of the lamp and is joined to the top aluminium reflector by a hinge and latches. EPDM gasket located between the acrylic diffuser and the top aluminium reflector, to guarantee the hermeticity of the optical assembly. Porcelain E40 lamp socket. Internal borosilicate glass refractor with total reflection prisms.

Lamp holder

- Porcelain E40 version.

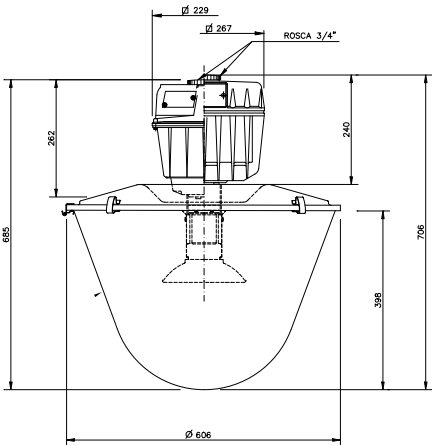
Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

Dimensions [mm]



Accessories

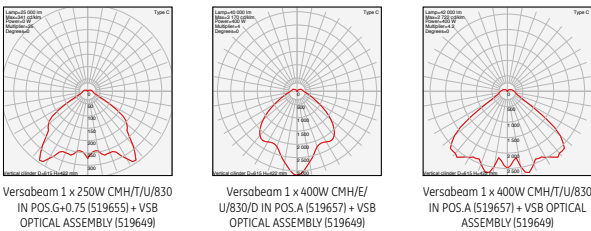
- Hooks and mounting receptacles are available.

Lamp

- Luminaire is supplied without lamp.



Photometric data



Versabeam specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

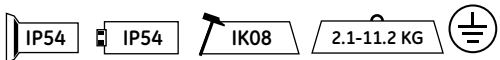
Versabeam product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 250	GEAR BXUG-VSB AP5 CMH250 T U 230V50Hz	1 x 250W CMH	No	9.9	1	Grey	230V	IP52	519655
1 x 400	GEAR BOX UG-VSB AP5 HPS 400W 230V50Hz	1 x 400W LU	No	8.55	1	Grey	230V	IP52	519654
1 x 400	GEAR BXUG-VSB AP5CMH400 T VBU230V50Hz	1 x 400W CMH	No	1.32	1	Grey	230V	IP52	519657
1 x 400	GEAR BOX UG-VSB AP5 MH 400W 230V 50HZ	1 x 400W MVR	No	9.9	1	Grey	230V	IP52	519656
1 x 600	GEAR BOX UG-VSB AG5 HPS 600W 230V50Hz	1 x 600W LU	No	15.9	1	Grey	230V	IP52	519660
1 x 1000	GEAR BX UG-VSB AG5 HPS 1000W 230V50Hz	1 x 1000W LU	No	2.25	1	Grey	230V	IP52	519661
1 x 1000	GEAR BOX UG-VSB AG5 MH1000 230V 50HZ	1 x 1000W MVR	No	12.1	1	Grey	230V	IP52	519662

Versabeam Accessories

Product code	Picture	Description	AP5 HPS 400W 519654	AP5 CMH 250W 519655	AP5 CMH 400W 519657	AG5 HPS 600W 519660	AG5 HPS 1000W 519661	AP5 MH 400W 519656	AG5 MH 1000W 519662
519649		Optical assembly VSB OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519461		Mounting receptacle CAJA DE CONEXION A2	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•

Low mount



Enclosed luminaire for damp environments, with charcoal filtered optical assembly for discharge lamps. The exclusive design of the faceted reflector and prismatic refractor gives low glare combined with high visual comfort. Suitable for use in factories, foundries, textile, metal, chemical, rubber, food and cement plants, and railway stations. Mounting height between 2.5 and 8 metres.

Structures and materials

- Ballast housing**
Body in die-cast aluminium, with grey polyester powder paint finish applied electrostatically. Easy installation using a central 3/4" NPSC anti-vibration threaded hub. Activated charcoal filter for the optical assembly. EPDM gasket supporting the optical assembly.
- Optical assembly**
Aluminium faceted reflector. UV stabilised acrylic prismatic refractor offering high visual comfort thanks to uniform light distribution over the whole surface. EPDM gasket located between the aluminium reflector and the acrylic refractor (model LOW only); in model LOW-250 the reflector and the refractor are fastened together and joined with a silicone seal. In the LOW version it is fitted base down to reduce glare; in this case a disconnecter is provided to cut off the power supply when the optical assembly is opened. The optical assembly can be opened without using tools, thanks to the stainless steel hinge and latches.

Lamp holder

- E40 porcelain lamp socket.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

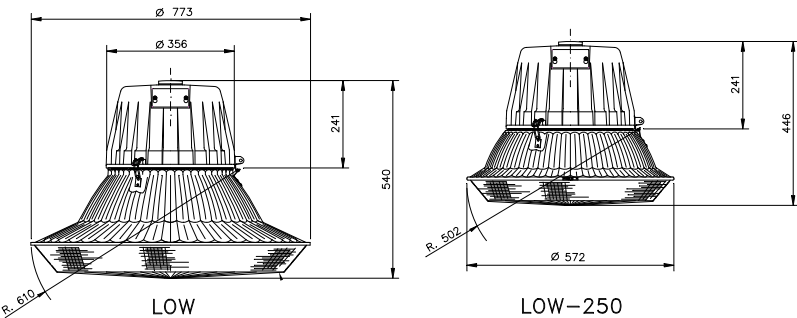
Accessories

- Hooks and mounting receptacles are available.

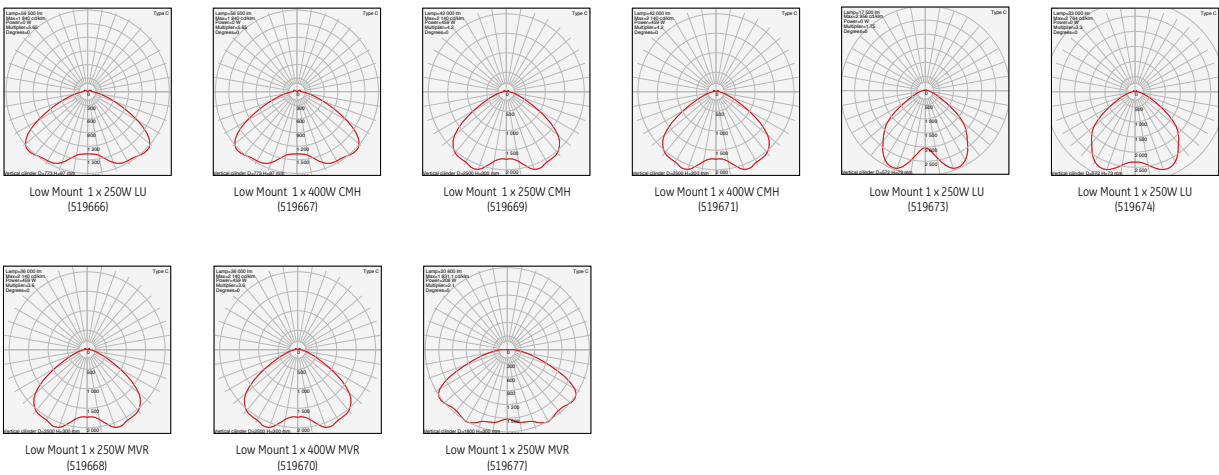
Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]



Photometric data



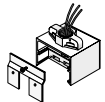
Low mount specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

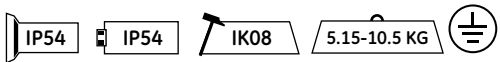
Low mount product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 250	GEAR BOX LOW HPS 250W 230V 50Hz	1 x 250W LU	No	9.9	1	Grey	230V	IP54	519666
1 x 250	GEAR BOX LOW CMH 250 T U 230V 50Hz	1 x 250W CMH	No	9.9	1	Grey	230V	IP54	519669
1 x 250	GEAR BOX LOW-250 HPS 150W 230V 50Hz	1 x 250W LU	No	9.6	1	Grey	230V	IP54	519673
1 x 250	GEAR BOX LOW-250 HPS 250W 230V 50Hz	1 x 250W LU	No	2.1	1	Grey	230V	IP54	519674
1 x 250	GEAR BOX LOW MH 250W 230V 50HZ	1 x 250W MVR	No	9.6	1	Grey	230V	IP54	519668
1 x 250	GEAR BOX LOW-250 MH 250W 230V 50HZ	1 x 250W MVR	No	11.2	1	Grey	230V	IP54	519677
1 x 400	GEAR BOX LOW HPS 400W 230V 50Hz	1 x 400W CMH	No	9	1	Grey	230V	IP54	519667
1 x 400	GEAR BOX LOW CMH 400 T VBU 230V 50Hz	1 x 400W CMH	No	5.4	1	Grey	230V	IP54	519671
1 x 400	GEAR BOX LOW MH 400W 230V 50HZ	1 x 400W MVR	No	11.2	1	Grey	230V	IP54	519670

Low mount Accessories

Product code	Picture	Description	HPS 250W 519666	HPS 400W 519667	CMH 250W 519669	CMH 400W 519671	HPS 150W 519673	HPS 250W 519674	MVR 250W 519668	MVR 400W 519670	MVR 250W 519677
519672		Optical assembly - LOW type LOW OPTICAL ASSEM (DIFF & REF ASS)	•	•	•	•			•	•	
519679		Optical assembly - LOW-250 type LOW-250 OPTICAL ASSEM (DIFF& REF ASS)					•	•			•
519461		Mounting receptacle @CAJA DE CONEXION A2	•	•	•	•	•	•	•		
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•		
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•		

Conserva



Conserva provides an enclosed luminaire suitable for damp environments and discharge lamps. The exclusive design of the faceted reflector and prismatic refractor reduce glare while providing a high level of visual comfort. Particularly suitable for areas with reduced mounting heights, between 2 and 8 metres.

Structures and materials

- Ballast compartment**
Body in die-cast aluminium, with grey polyester powder paint finish applied electrostatically. Sliding disconnect, guarantees safe and easy electrical and mechanical assembling with the optical.
- Optical assembly**
Aluminium faceted reflector. UV stabilised acrylic prismatic refractor offering high visual comfort thanks to uniform light distribution over the whole surface. EPDM gasket between the aluminium reflector and the acrylic refractor (model CON-400 only); in model CON-250 the reflector and refractor are fastened together and joined with a silicone seal. The optical assembly for model CON-400 can be opened without using tools, due to the stainless steel hinge and latches. In model CON-250 the front hinge is replaced by another stainless steel latch.

Lamp holder

- E40 porcelain lamp socket.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

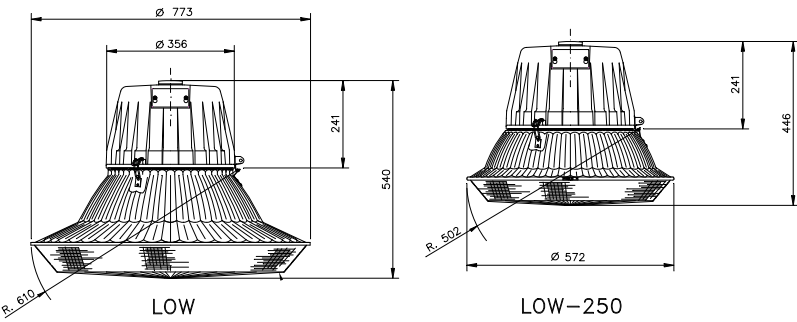
Accessories

- Hooks and mounting receptacles are available. IP65 hook is orderable as accessories.

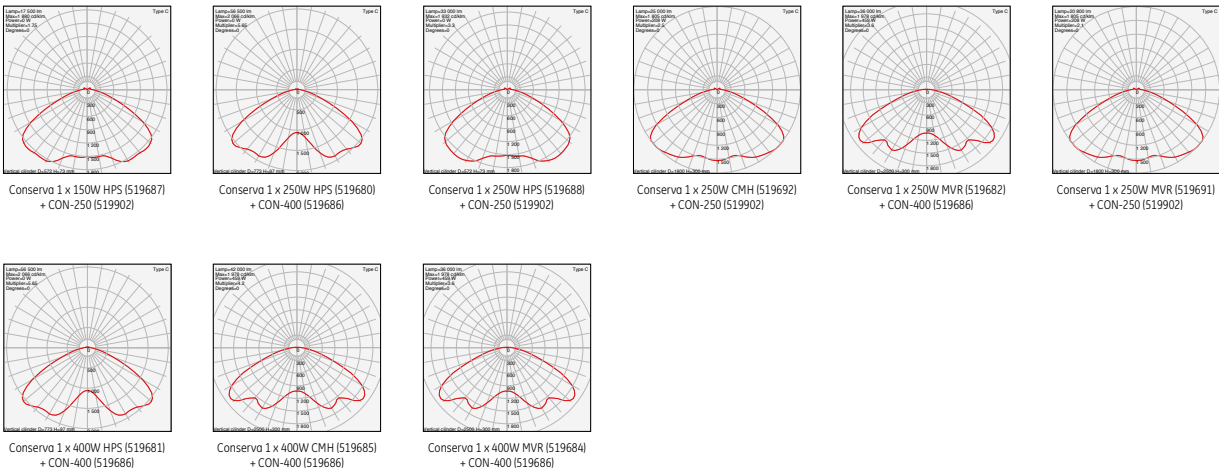
Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]



Photometric data



Conserva specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

Conserva product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 150	GEAR BOX CON-250 HPS 150W 230V 50Hz	1 x 150W HPS	No	5.15	1	Grey	230V	IP54	519687
1 x 150	GEAR BOX CON-250 CMH 150 T U 230V50Hz	1 x 150W CMH	No	5.15	1	Grey	230V	IP54	519690
1 x 250	GEAR BOX CON-400 HPS 250W 230V 50Hz	1 x 250W HPS	No	8.3	1	Grey	230V	IP54	519680
1 x 250	GEAR BOX CON-250 HPS 250W 230V 50Hz	1 x 250W HPS	No	6.3	1	Grey	230V	IP54	519688
1 x 250	GEAR BOX CON-250 CMH 250 T U 230V50Hz	1 x 250W CMH	No	6.25	1	Grey	230V	IP54	519692
1 x 250	GEAR BOX CON-400 MH 250W 230V 50HZ	1 x 250W MVR	No	7.8	1	Grey	230V	IP54	519682
1 x 250	GEAR BOX CON-250 MH 250W 230V 50HZ	1 x 250W MVR	No	7.5	1	Grey	230V	IP54	519691
1 x 400	GEAR BOX CON-400 HPS 400W 230V 50Hz	1 x 400W HPS	No	9.9	1	Grey	230V	IP54	519681
1 x 400	GEAR BOX CON-400 CMH400 T VBU230V50Hz	1 x 400W CMH	No	10.5	1	Grey	230V	IP54	519685
1 x 400	GEAR BOX CON-400 MH 400W 230V 50HZ	1 x 400W MVR	No	9.4	1	Grey	230V	IP54	519684

Conserva Accessories

Product code	Picture	Description	HPS 250W 519680	HPS 400W 519681	CMH 400W 519685	HPS 150W 519687	HPS 250W 519688	CMH 150W 519690	CMH 250W 519692	MVR 250W 519682	MVR 400W 519684	MVR 250W 519691
519686		Optical assembly - CON-400 type CON-400 OPTICAL ASSEM (DIFF& REF ASS)	•	•	•					•	•	
519902		Optical assembly - CON-250 type CON-250 OPTICAL ASSEM (DIFF& REF ASS)				•	•	•	•			•
519462		Mounting receptacle CAJA DE CONEXION A3	•	•	•	•	•	•	•	•	•	•
519463		Mounting receptacle CAJA DE CONEXION A1	•	•	•	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•	•	•	•

Uniglow



Luminaire available in an open or enclosed version for discharge lamps. The enclosed version is also suitable for damp environments. Developed for industrial lighting applications with a mounting height of over 5 metres. The enclosed version is particularly suitable for installation where dirt within the environment is an issue.

Structures and materials

- Ballast housing**
Die-cast aluminium ballast housing, with grey polyester powder paint finish applied electrostatically. The socket holder, which is joined to the ballast housing, enables photometric distribution to be set in 8 different positions using an ordinary screwdriver. Easy installation using a 3/4" NPSC threaded hub, which is located in the housing and is resistant to vibration.
- Optical assembly**
The optical assembly is available in two different sizes UG-17 and UG-22. The optical assembly contains a one-piece reflector spun from a thick aluminium disk, with moulded facets inside to prevent reflection of the lamp. This helps to reduce glare and increases the comfort of the user. The upper silicon gasket adjusts the connection of reflector and ballast housing (enclosed versions only). Tempered glass door (enclosed version only) resistant to thermal and mechanical stress. Fixed in a metal ring with EPDM or silicon gasket according to the lamp wattage, it is fitted with a stainless steel hinge and latches to guarantee easy removal without the

need for tools. Open optical assembly providing IP20, enclosed version providing IP54.

Lamp holder

- E40 porcelain lamp socket.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

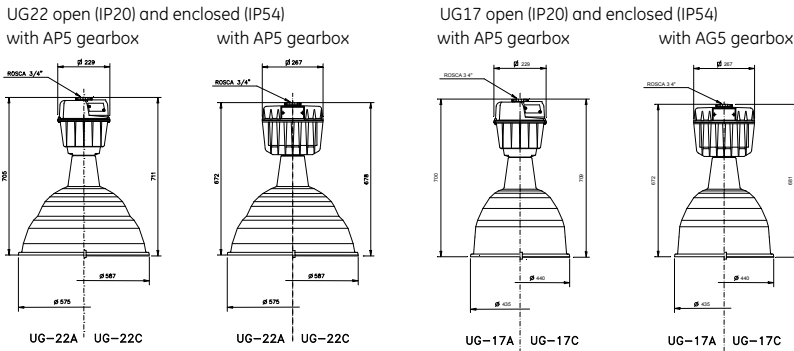
Accessories

- Hooks and mounting receptacles are available.

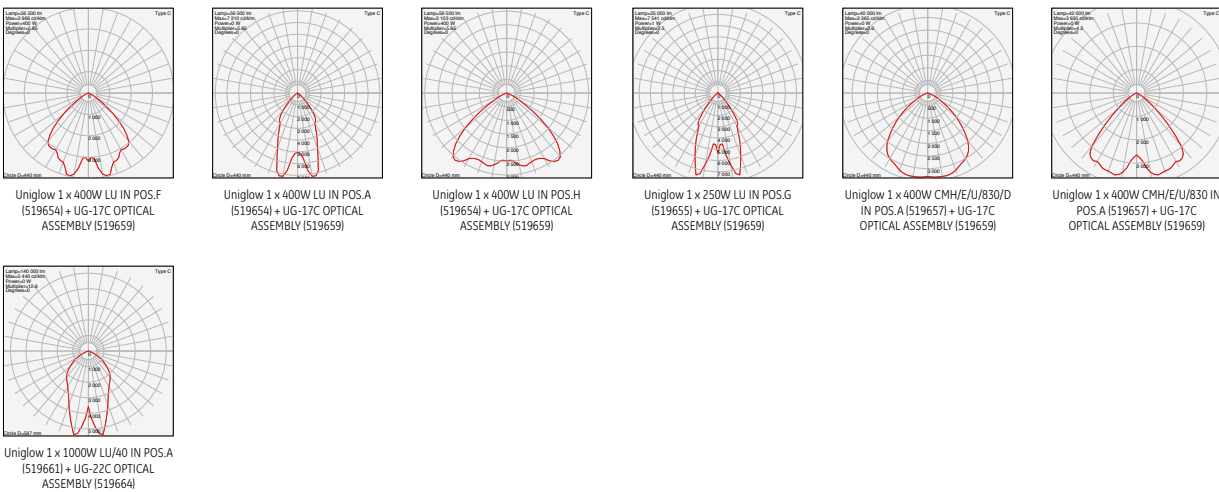
Lamp

- Luminaire is supplied without lamp.

Optical assembly dimensions [mm]



Photometric data



Uniglow specification

Mounting type	Suspended
Reflector	Requires optical assembly
Class	Class 1
Operating Temperature [°C]	25

Traditional Indoor Luminaires

Uniglow product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 250	GEAR BXUG-VSB AP5 CMH250 T U 230V50Hz	1 x 250W CMH	No	9.9	1	Grey	230V	IP52	IP20-54	519655
1 x 400	GEAR BOX UG-VSB AP5 HPS 400W 230V50Hz	1 x 400W LU	No	8.55	1	Grey	230V	IP52	IP20-54	519654
1 x 400	GEAR BXUG-VSB AP5CMH400 T VBU230V50Hz	1 x 400W CMH	No	1.32	1	Grey	230V	IP52	IP20-54	519657
1 x 400	GEAR BOX UG-VSB AP5 MH 400W 230V 50HZ	1 x 400W MVR	No	9.9	1	Grey	230V	IP52	IP20-54	519656
1 x 600	GEAR BOX UG-VSB AG5 HPS 600W 230V50Hz	1 x 600W LU	No	15.9	1	Grey	230V	IP52	IP20-54	519660
1 x 1000	GEAR BX UG-VSB AG5 HPS 1000W 230V50Hz	1 x 1000W LU	No	2.25	1	Grey	230V	IP52	IP20-54	519661
1 x 1000	GEAR BOX UG-VSB AG5 MH1000 230V 50HZ	1 x 1000W MVR	No	12.1	1	Grey	230V	IP52	IP20-54	519662

Uniglow Accessories

Product code	Picture	Description	AP5 HPS 400W 519654	AP5 CMH 250W 519655	AP5 CMH 400W 519657	AG5 HPS 600W 519660	AG5 HPS 1000W 519661	AP5 MVR 400W 519656	AG5 MVR 1000W 519662
519658		Open optical assembly - IP20 UG-17A OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519659		Enclosed optical assembly - IP54 UG-17C OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519663		Open optical assembly - IP20 UG-22A OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519664		Enclosed optical assembly - IP54 UG-22C OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•

Notes

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