

SABER



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The family of walk-over inground uplighters, wall mount washer and ceiling suspension luminaires. They are to be used with T5 (T16) and T8 (T26) lamps with symmetrical and asymmetrical light distribution. The minimum recess depth allows SABER-GROUND RECESS to be installed in most compact surface in both indoor and outdoor environment. They is suitable to wash architectural structure like low walls, modern office blocks and hotels. The recess version comes with connection box in glass reinforced PA66 for through wiring. The color filters and softening lens are also available. Thanks to the minimum surface temperature which makes SABER away from getting physical burned.

SABER FAMILY IS AVAILABLE IN FOLLOWING DESIGN / APPLICATION



SABER - GROUND/
WALL/CEILING RECESS



SABER - WALL
WASHER



SABER - SUSPENSION

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Can be walked over.
1000 Kgs. maximum load



Human friendly.
Low surface temperature



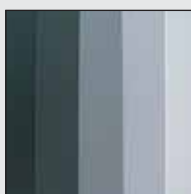
IP66 glass fiber reinforced
polymer connection box



Easy installation



Choices of color filter



Available in 5
different color

SABER

SPECIFICATION

- Fixture is manufactured in compliance with IEC 60598. Electrical protection class 1. IP65/67. For Saber - Ground Recess; Able to walk over. Maximum constant load pressure 1,000 kgs.
- Body in corrosion resistant extrusion aluminium S6063 alloy - copper<0.1%. Components in high-pressure die-cast aluminium ADC12 alloy. Ground installation housing in coated galvanized steel with ABS caps.
- 4mm thickness impact resistant transparent safety tempered glass for Saber-Wall Washer/Suspension.
8mm thickness impact resistant transparent safety tempered glass for Saber-Ground Recess. Able to withstand sudden change of temperature up to 250°C.
Glass placed on top of the body - no accumulation of water and dust.
- High purity anodised aluminium 99.98% from Alanod
Symmetrical/asymmetrical light distribution.
- Weather proof and durable silicone gasket. Service temperature -40° to +200°C.
- All external screw is in 316 stainless steel with silicone grease dipping.
- Cable entry for Saber-Wall Washer/Suspension in PG9 brass nickled cable gland. Cable entry for Saber-Ground Recess in M20 brass nickled cable gland.
- G5/G13 lampholder in PBT GF thermoplastic with high-grade material contacts from Vossloh Schwabe - Germany / ENEC approved. T130 rating 2/500.
- High frequency electronic ballast from Vossloh Schwabe - Germany / ENEC approved. 220-240V 0-50-60Hz to 70 for T5 linear fluorescent lamp.
Magnetic ballast from Vossloh Schwabe - Germany / ENEC approved. 230V 50Hz tw130. EEI = B2 class for T8 linear fluorescent lamps.
- 1x0.75 silicone rubber insulated cable from CET Electric - Italy / IMQ approved. 2kV / -60° to +180°C service temperature.
Connector in PA6.6 nickle-plated brass insert. 600V/24A. -40° to +130°C service temperature. Cross section 2.5mm². VDE approved. Wiring provided with earth connection.

Painting works;

First Stage: Chromatization treatment, resistant to corrosive and extreme environment.

Second Stage: Coated with UV stabilized polyester powder in automatic chamber.

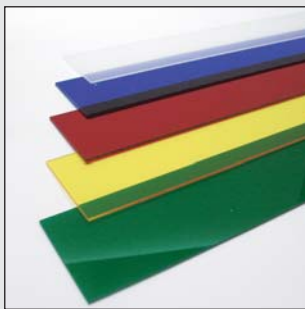
Third Stage: Baked in digital temperature control room at 200°C for 30 minutes.

AVAILABLE COLOR:

Black	- RAL9005 (replace last 2 digits on ordering code with 01)
Graphite	- RAL7016 (replace last 2 digits on ordering code with 02)
Dark Grey	- RAL7037 (replace last 2 digits on ordering code with 03)
Aluminium Silver	- RAL9006 (replace last 2 digits on ordering code with 04)
White	- RAL9010 (replace last 2 digits on ordering code with 06)



ACCESSORY



Color filter (for SABER GROUND RECESS only)

Ordering code:

SABER T5 14W

Red **9-0313-81**
Yellow **9-0313-82**
Blue **9-0313-83**
Green **9-0313-84**

SABER T5 28W

Red **9-0315-81**
Yellow **9-0315-82**
Blue **9-0315-83**
Green **9-0315-84**

SABER T8 18W

Red **9-0317-81**
Yellow **9-0317-82**
Blue **9-0317-83**
Green **9-0317-84**

SABER T5 21W

Red **9-0314-81**
Yellow **9-0314-82**
Blue **9-0314-83**
Green **9-0314-84**

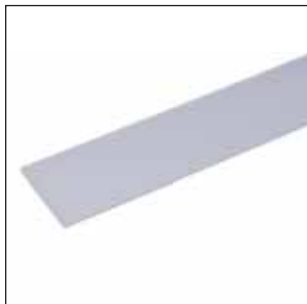
SABER T5 35W

Red **9-0316-81**
Yellow **9-0316-82**
Blue **9-0316-83**
Green **9-0316-84**

SABER T8 36W

Red **9-0318-81**
Yellow **9-0318-82**
Blue **9-0318-83**
Green **9-0318-84**

ACCESSORY (CONTINUED)



Ordering code: SABER T5 14W **9-0051-00**
 SABER T5 21W **9-0052-00**
 SABER T5 28W **9-0053-00**
 SABER T5 35W **9-0054-00**
 SABER T8 18W **9-0060-00**
 SABER T8 36W **9-0061-00**

Softening filter (for SABER GROUND RECESS only)



FOR SABER RECESS	L x W x H	ORDERING CODE
T5 14W	662x128x145	9-9051-01
T5 21W	962x128x145	9-9053-01
T5 28W	1262x128x145	9-9055-01
T5 35W	1562x128x145	9-9057-01
T8 18W	703x128x145	9-9061-01
T8 36W	1313x128x145	9-9063-01

Recess housing for
 concrete wall /
 ground installation



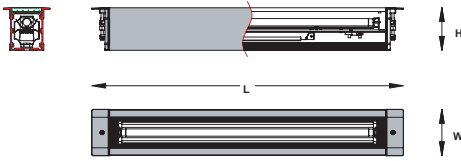
Ordering code: **9-0700-00**

Safety retention cable for
 wall/ceiling recess installation

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SABER - GROUND RECESS SYMMETRIC

IP67 IK09
CLASS I



Type	L x W x H
T5 14 W	674x100x92
T5 21 W	978x100x92
T5 28 W	1273x100x92
T5 35 W	1573x100x92
T8 18 W	715x100x92
T8 36 W	1325x100x92

T5 G5
14W (1200 lm)
Ordering Code:
9051-0-3-311-XX

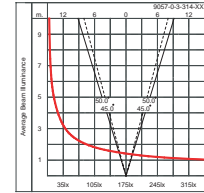
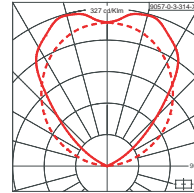
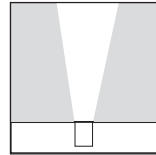
T5 G5
21W (1900 lm)
Ordering Code:
9053-0-3-312-XX

T5 G5
28W (2600 lm)
Ordering Code:
9055-0-3-313-XX

T5 G5
35W (3300 lm)
Ordering Code:
9057-0-3-314-XX

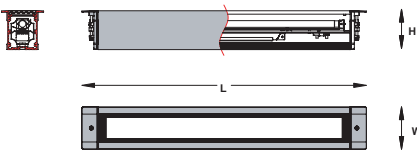
T8 G13
18W (1350 lm)
Ordering Code:
9061-0-3-321-XX

T8 G13
36W (1350 lm)
Ordering Code:
9063-0-3-322-XX



SABER - GROUND RECESS ASYMMETRIC

IP67 IK09
CLASS I



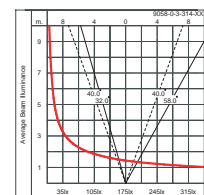
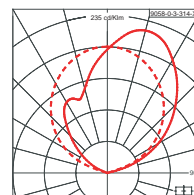
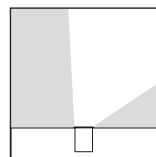
Type	L x W x H
T5 14 W	674x100x92
T5 21 W	978x100x92
T5 28 W	1273x100x92
T5 35 W	1573x100x92

T5 G5
14W (1200 lm)
Ordering Code:
9052-0-3-311-XX

T5 G5
21W (1900 lm)
Ordering Code:
9054-0-3-312-XX

T5 G5
28W (2600 lm)
Ordering Code:
9056-0-3-313-XX

T5 G5
35W (3300 lm)
Ordering Code:
9058-0-3-314-XX



SABER - WALL WASHER SYMMETRIC

IP65 IK09
CLASS I



Type	L x W x H
T5 14 W	620x65x85
T5 21 W	924x65x85
T5 28 W	1219x65x85
T5 35 W	1519x65x85
T8 18 W	657x65x85
T8 36 W	1264x65x85

T5 G5
14W (1200 lm)
Ordering Code:
8001-0-3-311-XX

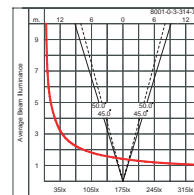
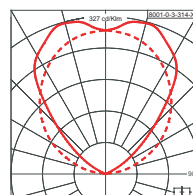
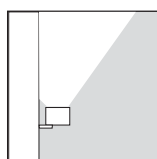
T5 G5
21W (1900 lm)
Ordering Code:
8001-0-3-312-XX

T5 G5
28W (2600 lm)
Ordering Code:
8001-0-3-313-XX

T5 G5
35W (3300 lm)
Ordering Code:
8001-0-3-314-XX

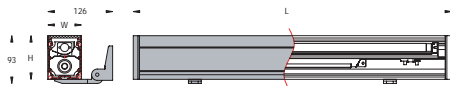
T8 G13
18W (1350 lm)
Ordering Code:
8001-0-3-321-XX

T8 G13
36W (1350 lm)
Ordering Code:
8001-0-3-322-XX



SABER - WALL WASHER ASYMMETRIC

IP65 IK09
CLASS I



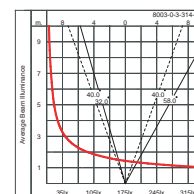
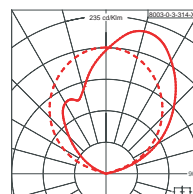
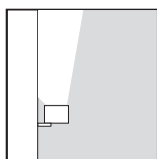
Type	L x W x H
T5 14 W	620x65x85
T5 21 W	924x65x85
T5 28 W	1219x65x85
T5 35 W	1519x65x85

T5 G5
14W (1200 lm)
Ordering Code:
8003-0-3-311-XX
IP65 IK09

T5 G5
21W (1900 lm)
Ordering Code:
8003-0-3-312-XX

T5 G5
28W (2600 lm)
Ordering Code:
8003-0-3-313-XX

T5 G5
35W (3300 lm)
Ordering Code:
8003-0-3-314-XX



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SABER - SUSPENSION SYMMETRIC

IP65 IK09
CLASS I



T5 G5
14W (1200 lm)
Ordering Code:
8002-0-3-311-XX

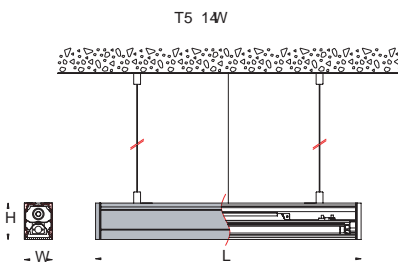
T5 G5
21W (1900 lm)
Ordering Code:
8002-0-3-312-XX

T5 G5
28W (2600 lm)
Ordering Code:
8002-0-3-313-XX

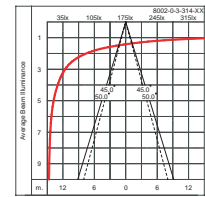
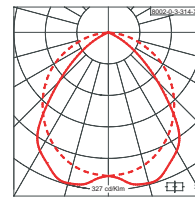
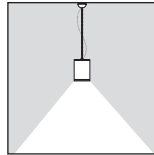
T5 G5
35W (3300 lm)
Ordering Code:
8002-0-3-314-XX

T8 G13
18W (1350 lm)
Ordering Code:
8002-0-3-321-XX

T8 G13
36W (1350 lm)
Ordering Code:
8002-0-3-322-XX



Type	L x W x H
T5 14W	620x65x85
T5 21W	924x65x85
T5 28W	1219x65x85
T5 35W	1519x65x85
T8 18W	657x65x85
T8 36W	1264x65x85



SABER - SUSPENSION ASYMMETRIC

IP65 IK09
CLASS I

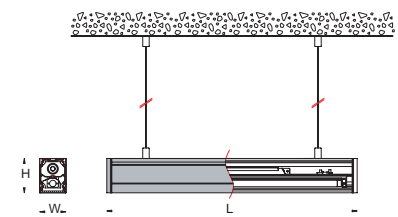


T5 G5
14W (1200 lm)
Ordering Code:
8004-0-3-311-XX

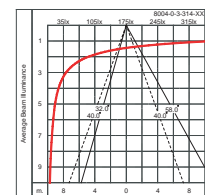
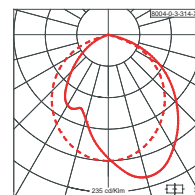
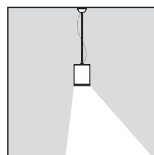
T5 G5
21W (1900 lm)
Ordering Code:
8004-0-3-312-XX

T5 G5
28W (2600 lm)
Ordering Code:
8004-0-3-313-XX

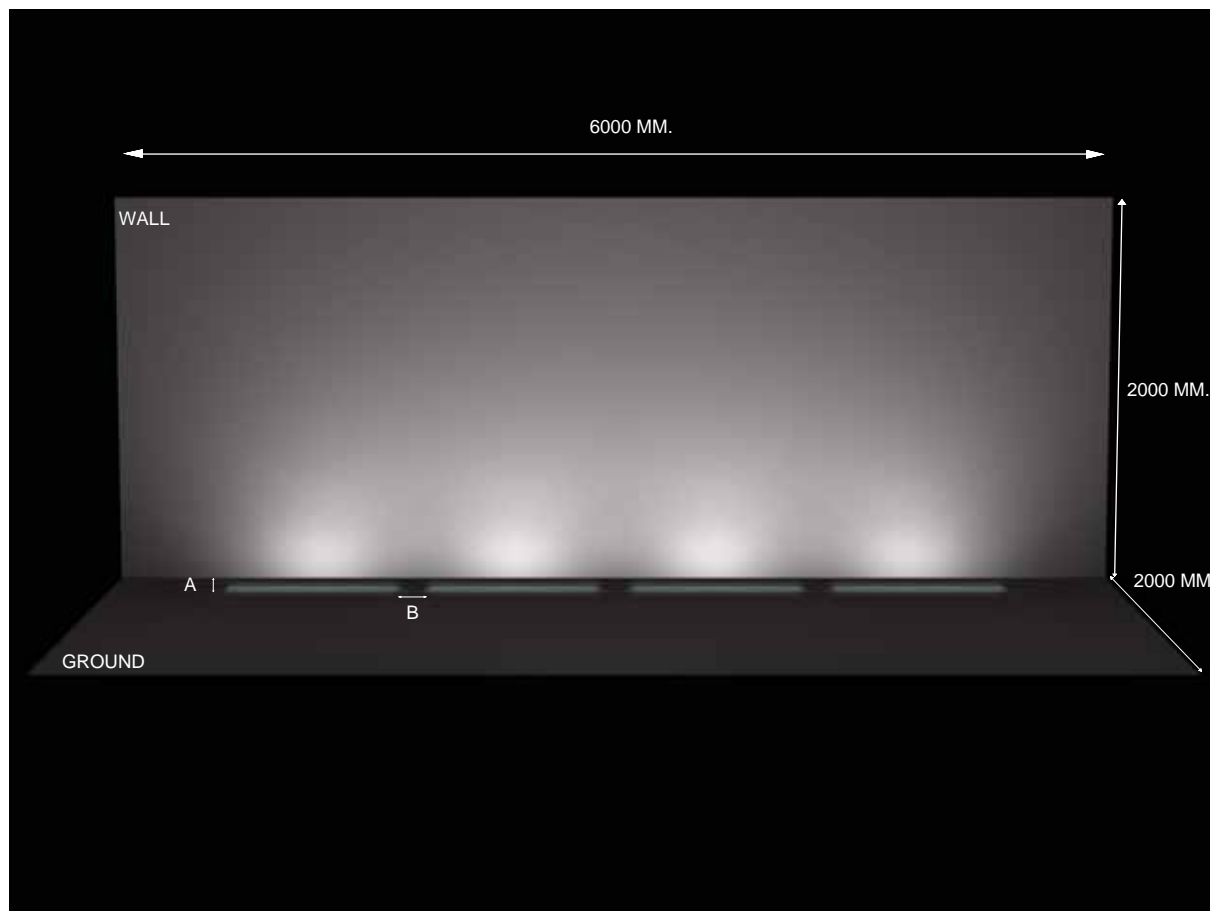
T5 G5
35W (3300 lm)
Ordering Code:
8004-0-3-314-XX



Type	L x W x H
T5 14 W	620x65x85
T5 21 W	924x65x85
T5 28 W	1219x65x85
T5 35 W	1519x65x85

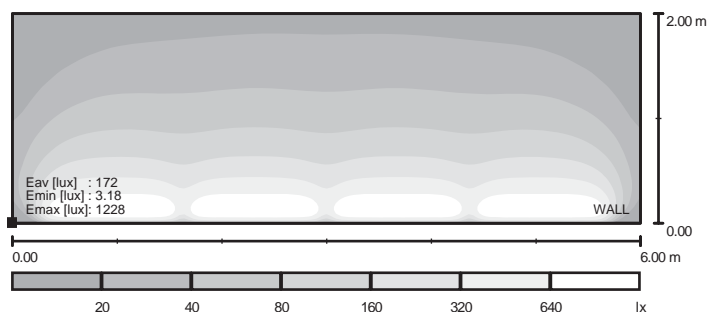


SAMPLE OF LIGHTING LEVEL AND ITS DISTRIBUTION



PRODUCT NAME : SABER - RECESS SYMMETRIC
 TYPE : T5 G5 28W
 ORDERING CODE : 9055-0-3-313-XX

DISTANCE A : 150 MM.
 DISTANCE B : 20 MM.



8.58	13	16	18	19	19	20	20	20	20	19	19	18	17	14	9.99
11	17	23	25	25	26	27	26	26	27	26	25	24	23	19	13
13	21	28	30	31	32	33	32	32	33	32	31	30	29	24	16
18	34	44	46	45	48	49	47	46	49	49	46	46	46	37	22
24	51	65	66	64	69	71	67	65	71	70	64	66	67	55	30
36	96	121	120	104	122	125	115	109	124	123	109	116	122	105	49
48	190	235	229	180	231	240	218	192	238	236	194	217	237	213	85
57	518	592	578	341	579	595	549	444	595	593	451	549	594	567	160
14	885	909	912	227	937	974	994	855	1040	1004	802	932	921	906	99