

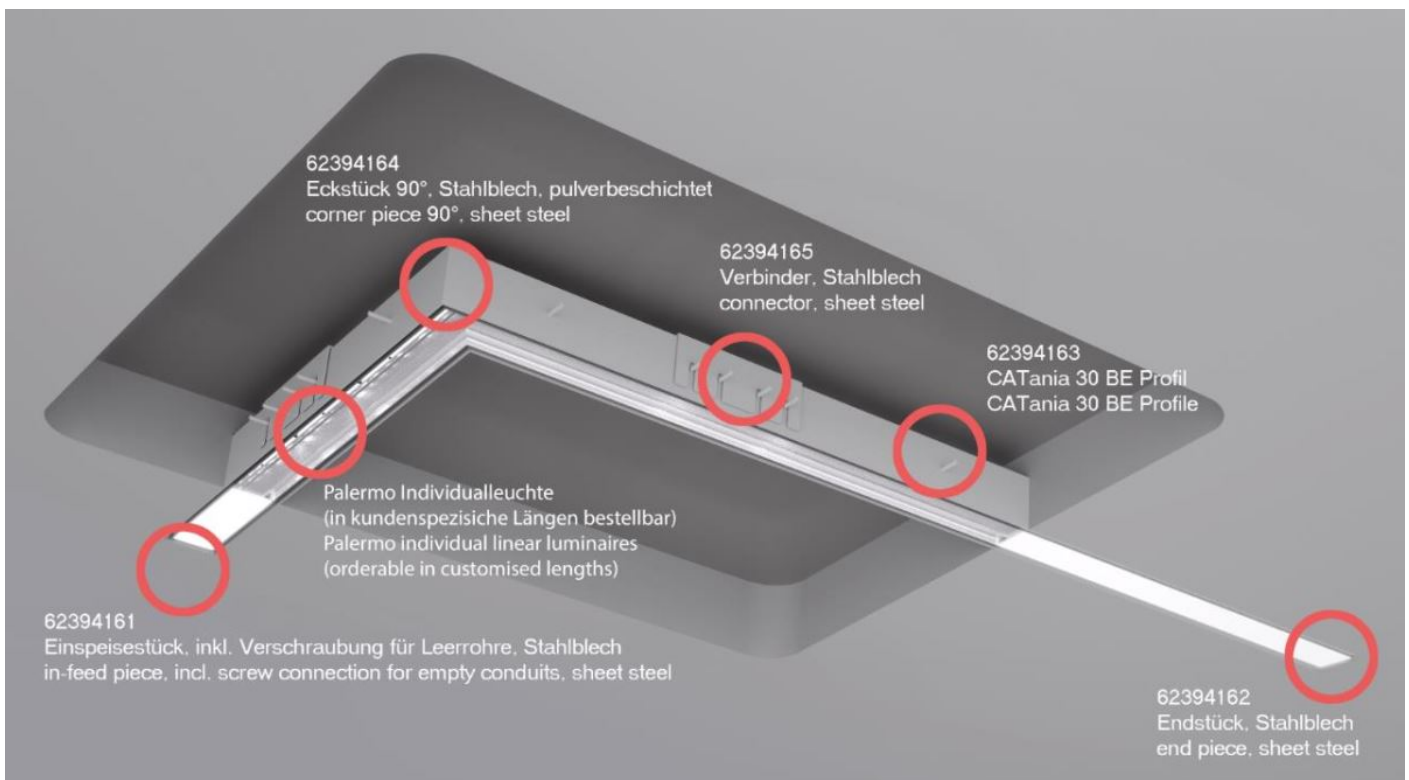
## Palermo - Concrete installation profile

- concrete installation profile with anchor bolt, made of elect-rolytically galvanized sheet steel
- powder-coated (RAL 9010, pure white)
- thanks to magnetic holders, easy luminaire mounting/dismounting in concrete walls and ceilings is possible
- freely moving bearing compensates for heat-related linear expansion of the luminaires

The new Palermo recessed concrete profile can be integrated flush into concrete walls and ceilings with virtually no visible edge. It is designed in such a way that a luminaire profile can be mounted and also removed again using a magnetic holder. As the light emission surface is identical to the CATania 30 TB and UP, all fixed applications, whether drywall, masonry or concrete, can be reproduced with the same appearance.

The system consists of four basic components and can be easily and precisely extended to any desired length. The basis is formed by a basic profile (middle piece), from which the required lengths can be cut, an in-feed-piece, an end piece, and a corner profile with a 90° angle. The connection between these components is made via connecting straps.

### OVERVIEW

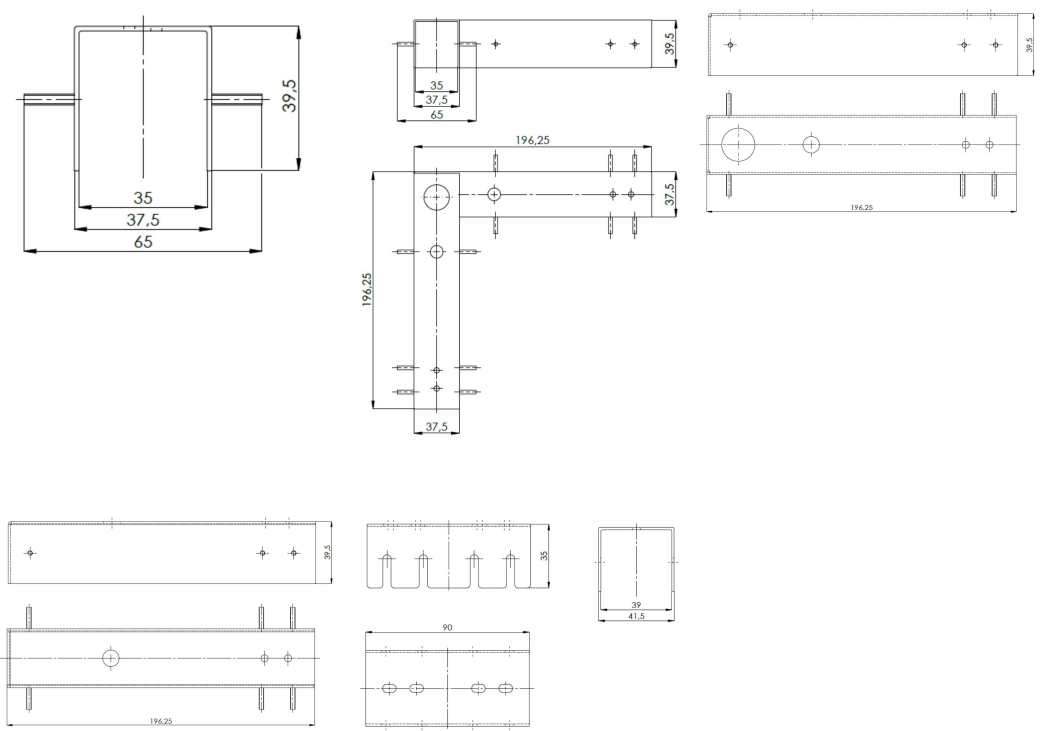


	62394163	62394164	62394168
<b>Description</b>	Basic profile	Corner piece 90°	Prefabricated length (closed on both sides)
<b>Length</b>	1620 mm	196,3 mm	2370 mm
<b>Width</b>	65 mm	196,3 mm	65 mm
<b>Height</b>		39,5 mm	
<b>Colour</b>		white RAL9010	
<b>Material</b>		galvanized sheet steel	
<b>Finish</b>		powder-coated	
<b>Weight</b>	2655 gr	590 gr	2655 gr

	62394161	62394162	62394165
<b>Description</b>	In-feed piece, incl. screw connection for empty conduits	End piece	Connector
<b>Length</b>		196,2 mm	90 mm
<b>Width</b>		65 mm	41,5 mm
<b>Height</b>		39,5 mm	35 mm
<b>Colour</b>		white RAL9010	
<b>Material</b>		galvanized sheet steel	
<b>Finish</b>		powder-coated	
<b>Weight</b>	321 gr	315 gr	450 gr

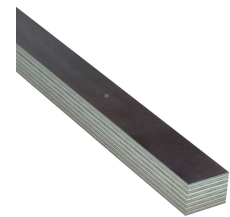


**DIMENSIONED DRAWINGS**



## REQUIRED ACCESSORIES

	62394160	62394166
<b>Description</b>	Assembly screw set for 5 running meters consisting of: 20 x countersunk screw; 10 x washer	Screen printing plate, for fixing the concrete installation profile to the formwork
<b>Material</b>	steel	wood
<b>Finish</b>	galvanized	coated
<b>Colour</b>	silver	brown
<b>Length</b>	60 mm	1500 mm
<b>Width</b>	40 mm	21 mm
<b>Height</b>	5 mm	34 mm
<b>Remarks</b>	10 x screw 4x55 mm, (mounting screen printing plate to formwork) 10 x washer M8, 8,4x1,6 mm, polyamide (for screw 5x60 mm) 10 x screw 5x60 mm, (mounting concrete installation profile to screen printing plate)	Multiplex birch 15-fold glued



	62394167	62394169	62394170
<b>Description</b>	Magnet holder indoor; 1 piece	Magnet holder outdoor; 1 piece	catching rope with eyelets
<b>Material</b>	steel sheet	various	stainless steel
<b>Finish</b>	nut treated		
<b>Colour</b>	silver		
<b>Length</b>	57,8 mm		150 mm
<b>Width</b>	20 mm		100 mm
<b>Height</b>	13 mm		5 mm
<b>Remarks</b>	Holding power: 7.2 kg; mounting distance max. 450 mm	Holding power: 3.6 kg; mounting distance max. 200 mm	length 20cm, to secure the luminaire

When installing the magnetic holders in the aluminum profile, please tighten the two fixing screws only lightly, otherwise the LED strip could be damaged.



## MOUNTING

Notes on mounting:

- Only suitable for indoor use
- Seal cut edges on site with zinc spray after shortening the centre piece.
- Observe the statics of the ceiling
- Observe length of luminaire to be used later (pitch dimension)
- Feed, end, corner and centre pieces can be joined together using the connector (62394165). To do this, push it over both parts to be connected at the joint and rivet it to the underside at the holes provided (rivets not included).

- Please note the maximum mounting distance of the magnetic holders: - Indoor (62394167) -> mounting distance max. 450 mm / - Outdoor (62394169) -> mounting distance max. 200 mm
- When installing the magnetic holders in the aluminum profile, please tighten the two fixing screws only lightly, otherwise the LED strip could be damaged.
- Each installed luminaire must be secured with a catch cable (62394170).

Attaching the concrete recessed housing to the slab formwork:

#### 1. Planning

Precise CAD planning is indispensable for the exact alignment of the recessed concrete housings on the formwork ! We recommend placing the lighting elements only after a floor plan and furnishing plan have been drawn up. You need all the dimensions on the formwork that are available ! Pay attention to the possible construction tolerances ! Always check the different wall lengths before starting the insertion work and compare them with the construction plan.

#### 2. Inlay work / formwork

If you have proceeded according to point 1, you can start measuring the light positions. Mark all the lengths on the formwork with a blue string. Fix the screen printing plates to the formwork (screws 4x50 mm). Now press the concrete housing over the screen printing plate and screw it tight with the 5x60 mm screws and plastic washer. The plastic washer should not be pressed through. Cover all openings that are not required with adhesive tape (armoured tape). After the first layer of reinforcement, you can start installing the empty conduit. Fix the empty conduit with cable ties. 3.

#### 3. Remove the formwork

After the slab has been concreted and the formwork removed, you can already see the result of your work. Use pliers to remove the fixing screws with the plastic washer from the concrete installation housing. Clean the housing with spirit and remove possible concrete water residues. Now the wiring can be pulled out.

#### 4. IMPORTANT

For smooth operation, it is essential that points 1 and 2 are observed. Label the components with item numbers. Draw them in the floor plan. This is important because there are 3-4 months between the installation work and the final assembly. In most cases, you have 1 day for placing the concrete installation housing; exact preparatory work means speed during the installation work.

### NOTES

Press marks or slight scratches on profiles are production-related and do not constitute a defect.

Loose, wipeable impurities may appear on the aluminum and plastic profiles. This is due to the production and its handling and does not represent a defect. We generally recommend cleaning the profiles with a soft, lint-free cloth (if necessary with a little clear water) before installation. The LED bonding surface must also be free of grease to ensure good adhesion of the LED strip. Corresponding information can be found in the instructions for the LED strips.

The adhesion of our LEDlight flex strips to the profiles we offer and their different surfaces has been tested and can be ensured if the processing instructions are followed. If there are adhesion problems between LED strips and aluminum profiles, we recommend pre-treatment with the adhesion promoter "3M™ Tape Primer 94".

The guarantee period for the product is 5 years and begins on the day of shipment. Reference is the date of the delivery bill. The guarantee period may differ for accessories.

## Individual luminaire for installation in concrete recessed housing

When planning your lighting solution, the feed points must be planned in advance. You can design your luminaire individually as in the following steps, however, each luminaire must be fed in individually - forwarding is not provided. Therefore, the feed points must be set accordingly in the concrete housing.

The type code of the individual luminaire is made up of 7 sub-ranges:

LINE	306	02	0030	0001	2050	0026	002
	1	2	3	4	5	6	7
	PROFILTYP	MONTAGEART	LICHTFARBE	LED-STREIFEN	WUNSCHLÄNGE (MM)	ABDECKUNG	ANSCHLUSSLEITUNG
306 - Palermo	02 - Einbauleuchte mit Magneten	0027 - 2700 K	0001 - LLF 08 8 HIGH EFFICIENCY	Bitte immer 4-stellig angeben. Bei Längen < 1000 mm mit 0 anfangen z.B. 0560	0008 - Catania Aluminiumabdeckung Profil, lfm	Bitte den Spannungsfall bei der Auswahl der Kabellänge beachten!	
Linearleuchte ohne Flügel für nahtloses Licht		0030 - 3000 K	0002 - LLF 08 8 HIGH EFFICIENCY PLUS	Bitte beachten Sie die Schatten, die aufgrund der Zuschnittlänge entstehen können. Zudem sind maximale Längen abhängig vom gewählten Streifen; die Kabelzuführung muss ebenso berücksichtigt werden.	0022 - Catania Abdeckung 180°, opalweiß, lfm	001 - 1 m-Kabel mit freien Drahtenden	
307 - Palermo T Linearleuchte mit Flügel zur Abdeckung von Unebenheiten		0040 - 4000 K	0003 - LLF 08 8 HIGH EFFICIENCY PRO	Formel: Anzahl der Segmente x Zuschnittlänge + 30 mm für Einspeisung = optimale Länge	0024 - Catania Abdeckung satinier, lfm	002 - 2 m-Kabel mit freien Drahtenden	
		0057 - 5700 K	0004 - LLF 12 8P HIGH EFFICIENCY	Andere Längen sind möglich, ergeben dann aber größere Schatten auf beiden Seiten	0025 - Catania Abdeckung klar, lfm	003 - 3 m-Kabel mit freien Drahtenden	
		0625 - Rot	0005 - LLF 12 8P HIGH EFFICIENCY PLUS		0026 - Catania Abdeckung Prisma, klar, lfm	004 - 4 m-Kabel mit freien Drahtenden	
		0525 - Grün	0007 - LLF 12 8P HIGH EFFICIENCY PRO		0027 - CATania Angolo 3030 Kunststoffabdeckung, opal, lfm	005 - 5 m-Kabel mit freien Drahtenden	
		0470 - Blau	0008 - LLF 24 8P HIGH EFFICIENCY		0028 - CATania 30 Abdeckung schwarz, lfm	006 - 6 m-Kabel mit freien Drahtenden	
		0593 - Amber	0009 - LLF 24 8P HIGH EFFICIENCY PLUS			110 - 0,35 m Kabel mit M8-Stecker	
		0RGB - RGB	0010 - LLF 16 10 RGB HIGH EFF. (2700 K)				
		0RGBW - RGBW	0011 - LLF 16 10 RGB HIGH EFF. (3000 K)				
		0RGBA - RGBA	0012 - LLF 16 10 RGB HIGH EFF. (4000 K)				
		2057 - Controlled White	0013 - LLF 16 10 RGB HIGH EFF. (4000 K)				
		2700 - 5700 K	0014 - LLF 16 10 RGBA HIGH EFF. (amber)				
			0018 - LLF 15 8P HIGH EFFICIENCY CONTROLLED WHITE 2000				
			0019 - LLF 15 8P HIGH EFFICIENCY CONTROLLED WHITE 4000				
			0020 - LLF 15 8P RGB HIGH EFFICIENCY				
			0021 - LLF 25 8P RGB				
			0024 - LLF 15 8P RGB				
			0025 - LLF 16 10 RGB High Efficiency				
			0026 - LLF 12 8p PROFESSIONAL 700				
			0027 - LLF 08 8 PROFESSIONAL 1000				
			0028 - LLF 12 8p PROFESSIONAL 2000				
			0029 - LLF 08 8 PROFESSIONAL 3000				
			0030 - LLF 08 8 COLOR green				
			0031 - LLF 08 8 COLOR blue				
			0032 - LLF 14 8p COLOR green				
			0033 - LLF 14 8p COLOR blue				
			0034 - LLF 08 8 COLOR red				
			0035 - LLF 08 8 COLOR amber				
			0036 - LLF 12 8p COLOR red				
			0037 - LLF 12 8p COLOR amber				
			0039 - LLF 16 8p STANDARD 500				
			0040 - LLF 16 8p STANDARD 1000				
			0041 - LLF 08 8 STANDARD 1500				
			0042 - LLF 08 8 STANDARD 2000				
			0043 - LLF 08 4 SLIM				
			0044 - LLF 12 8p 48 V 1000				
			0045 - LLF 12 8p 48 V 2000				
			0046 - LLF 10 8 ULTRA HIGH EFFICIENCY				
			0047 - LLF 12 8p SMALL CUT				
			0048 - LLF VIBRANT				

With these simple 7 steps, you have created your desired luminaire that ideally suits your needs. Each luminaire is equipped with the right number of magnetic holders for its length, so mounting your individual linear luminaire is child's play: you just have to feed the supply cable through the feed piece and then the luminaire clips itself in almost automatically.

If you need a suitable power supply unit or another control unit for the luminaire, please contact our sales team.

