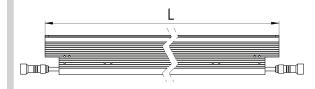


# Schréder **ILUM MARK**

ENG	INSTALLATION INSTRUCTIONS	ITA	ISTRUZIONI DI INSTALLAZIONE	NLD	INSTALLATIE INSTRUCTIES	DAN	INSTALLATIONSVEJLEDNING	HUN	TELEPÍTÉSI ÚTMUTATÓ
DEU	INSTALLATIONSANLEITUNG	POL	INSTRUKCJE MONTAŻU	RUS	Инструкции по установке	RON	INSTRUCȚIUNI DE INSTALARE	СНІ	安装说明
FRA	INSTRUCTIONS DE MONTAGE	SPA	INSTRUCCIONES DE INSTALACIÓN	POR	INSTRUÇÕES DE INSTALAÇÃO	SWE	INSTALLATIONSANVISNING	UKR	Інструкції з монтажу
SRP	UPUTSTVA ZA INSTALACIJU	AR	تعليمات التركيب						



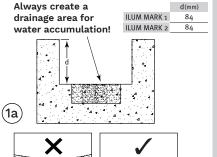
# Assembly dimensions

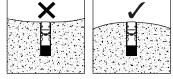




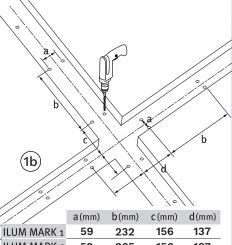
	L (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	Weight (kg)
ILUM MARK:	500	35	30	84	80	1.42
ILUM MARK:	1000	35	30	84	80	2.79

# Recessed ground installation

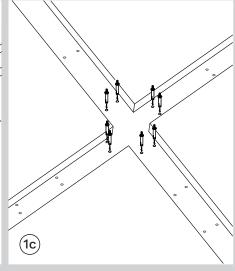




Reserve a space 475x120x75mm for driver box. Avoid to pour driver box into concrete.

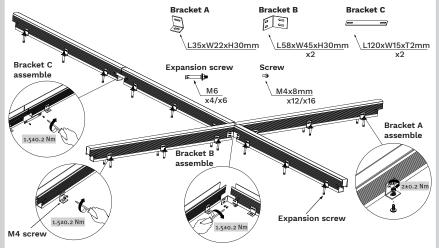








Remark: Do not install the luminaire into the recessed box at start! Recommended to use a cover cap for protection.



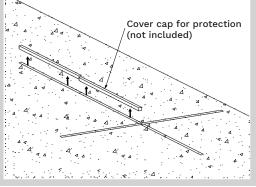
- 1. Use brackets A, B and C to assemble the recess box into the desired shape 2. Use expansion screw to fasten the recess box to the ground

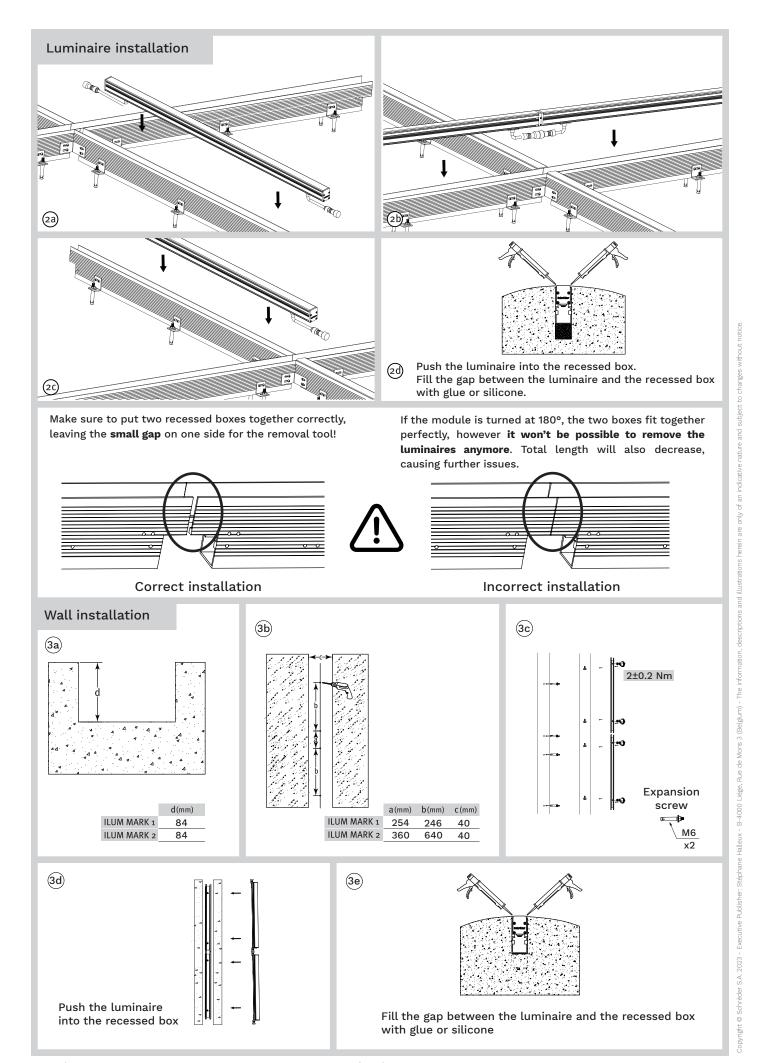
- 3. Insert cover cap
- 4. Casting concrete
- 5. Remove cover cap after concrete dries

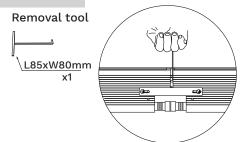
#### Remark:

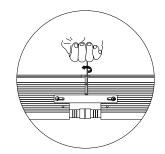
During the installation process, it is recommended to use a suitable cover cap inside/on top of the recessed box to protect the internal surfaces from damages and contamination.

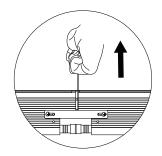
No specific accessories for cover cap, any suitable material may be used.





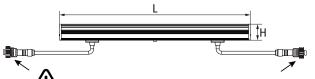


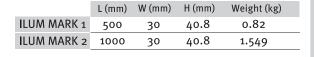




Use the J-shaped hook tool to remove the luminaire from the recessed box.

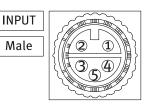
#### Luminaire dimensions



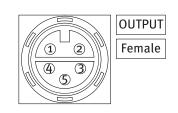


Closing caps provided by default, remove them just before making the electrical connection!

#### DMX connector

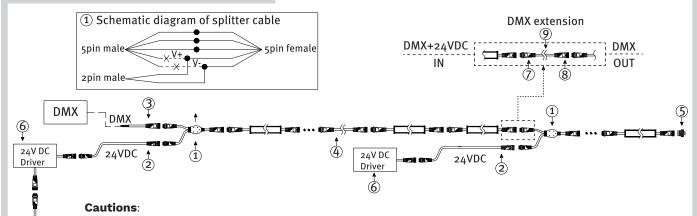


P	IN CONNECTION	CABLE COLOR			
1	V+	RED			
2	V-	BLACK			
3	DMX-	BLUE			
4	DMX+	WHITE			
5	DMX GND	YELLOW			



Specification	Male	Female			
5P DMX conncetor	D18±0.5mm, L55±2mm	D18±0.5mm, L49±2mm			

### System connection diagram - DMX



- 1. Please use constant voltage DC 24V power supply. Recommended 150W DC 24V driver is available as accessory.
- 2. Never connect over 7pcs (1m)/14pcs (0.5m) in the same chain with one driver!

To extend the installation, please use additional drivers with splitter cable.

Use DMX extension accessories between the chains up to the limit of DMX chain.

Max connection for 1 DMX chain is 42m (42pcs 1m or 84pcs 0.5m ILUM MARK).

Data is only for reference. The specific quantity may vary according to different installation environments.

- 3. Use a closing cap at female connector of the last luminaire.
- **4.** DMX extension: the cable connection must be placed in an IP protected junction box (min IP67), 24V DC is not carried over the DMX extension.
- 5. SPD KIT: must be connected between mains and driver (Operating voltage range: 220-320V AC).
- 6. The failure of the PCBA in one luminaire does not affect the proper work of the other luminaires in the chain.
- 7. All the luminaires in the chain need to receive at least 20.5V in order to avoid visible flux drop.
- 8. In case of 1m long ILUM MARK, the 11th luminaire in the chain will receive 22.5V from the power supply.

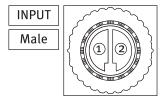
SPD KIT

10

#### **DMX connection Accessories**

- (1) Splitter cable 5-pin Data/Power IP68 connector to 5-pin DMX/2-pin Power, 0.3m length
- (2) **24V Extension cable 2**-pin IP68 connectors, 1 or 3 or 5m length
- (3) DMX input cable 5-pin IP68 connector to 5-pin bare ends, 3m length
- (4) Extension cable 5-pin IP68 connectors, 2 or 5m length
- (5) Closing cap 📳 The closing cap can be used on both 2-pin and 5-pin cable
- (6) Power supply: recommended 150W DC 24V IP67 driver with IP68 connector with plastic enclosure
- (7) DMX Extension Cable with male connector
- (8) DMX Extension Cable with female connector
- Standard 3 core DMX cable (recommended product:ProPlex PC224P\*) + 2x Junction box with terminals not part of ILUM MARK product, must be purchased locally (recommended products: Wiska SHARK 315 Gel joint\*\* or OBO T 60 M20\*\*\*)
  - \* https://tmb.com/proplex-dmx-portable-cables/
  - \*\* https://www.wiska.co.uk/en/30/pde/10109265/shark-315w.html
  - \*\*\*https://www.obo.global/products/industrial-installations/junction-boxes/t-series/t60-junction-box-with-knock-out-entries-and-3-x-v-tec-vm20-locknuts.html
- 10 SPD KIT

#### Standard NoDim connector



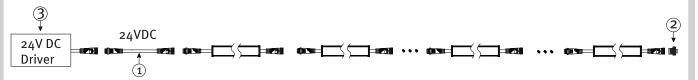
Р	IN CONNECTION	CABLE COLOR				
1	V+	RED				
2	V-	BLACK				



OUTPUT Female

Specification	Male	Female		
2P OnOff conncetor	D18±0.5mm, L55±2mm	D18±0.5mm, L49±2mm		

#### System connection diagram - NoDim



#### Cautions:

- 1. Please use constant voltage DC 24V power supply. Recommended 150W DC 24V driver is available as accessory.
- 2. Never connect over 11pcs (1m)/22pcs (0.5m) in the same chain! Only one driver can be used for the same chain.
- **3.** Use a closing cap at female connector of the last luminaire.

#### NoDim connection Accessories

- 1) 24V Extension cable 2-pin IP68 connectors, 1 or 3 or 5m length
- (2) Closing cap The closing cap can be used on both 2-pin and 5-pin cable
- (3) Power supply: recommended 150W DC 24V IP67 driver with IP68 connector with plastic enclosure

#### Safety Warning



- This lighting fixture must be installed, connected and tested by a qualified electrician.
- For safety reasons, always ensure that power supply is disconnected before installation or maintenance.
- Always ensure that each installation process step is fully completed.
- Don't drop or impact the luminaire during the installation process.
- Don't pull the wires.
- For safety reasons, always ensure that all of the screws are tightened correctly.
- Maximum surface temperature of 85°C, minimum static load capacity of 2t.
- In case of incorrect installation or improper use, the product warranty is not valid anymore.
- When using multiple power supplies, ensure that they are connected to the same phase and the same earth to minimize the risk of common mode voltage damage to the DMX drivers. If this is not feasible for any reason, please make use of opto isolation on the DMX bus before connecting the DMX splitter. Damages caused by this issue or non compliance with the above instructions will be your responsibility and will not be covered by Schréder warranty.
- For safety during the installation, wearing protective gloves is strongly recommended.

# DMX addressing

ILUM MARK supports auto addressing of the fixtures by using a 3-address DMX shift register.

Every zone of 25cm in a fixture takes the first 3 DMX addresses for R, G and B from the DMX-bus and passes the remaining data on to the next zone or next fixture.

- ILUM MARK 1 (0.5m) - 2 zones - 6 DMX addresses per fixture

- ILUM MARK 2 (1m) - 4 zones - 12 DMX addresses per fixture

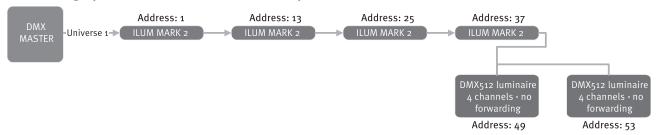
This functionality implies that in every DMX universe that contains one or more ILUM MARK fixtures, the first ILUM MARK on the DMX-bus that receives a DMX-signal will automatically take addresses 1-2-3 for the first zone and so forth. If you have other fixtures that require DMX addressing and you want tobe able to control them individually, you can either:

- Use another Universe in the DMX controller
- In the same Universe (as the ILUM MARK fixtures) you can:
  - a, Use a DMX splitter to separate the physical lines of ILUM MARK fixtures and other DMX controlled luminaires
  - b, Assign all other luminaires to an address that lies further than the last ILUM MARK (e.g. 10 fixtures of 1m each occupy DMX addresses 1 to 120 by using the shift register. The first one of the rest of the luminaires can be assigned to address no. 121 in order to control it separately.)

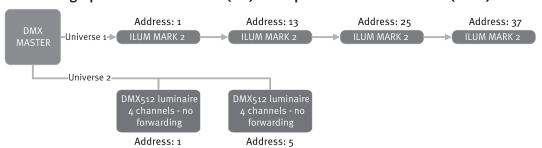
# Connecting 6pcs of ILUM MARK 2 (1m)



# Connecting 4pcs of ILUM MARK 2 (1m) and 2pcs DMX512 luminaires (4 CH) in the same universe



# Connecting 4pcs of ILUM MARK 2 (1m) and 2pcs DMX512 luminaires (4 CH) in different universes



	RISK GROUP 1		GRUPPO DI RISCHIO 1		RISICOGROEP 1		RISK GRUBU 1
ENG	Connect to the power supply in accordance with national regulation. Installation may require advice from a qualified person. For indoor and outdoor use. The product must be grounded. Make sure the construction is strong enough to support the product.  The light source fitted in this luminaire shall only be replaced by a Schreider employee or agent or a similar qualified person.	ITA	Connettere all'alimentazione in accordo con i regolamenti nazionali. L'instaliazione può richiedere l'austilio di personale qualificatio. Per uso interno de elsemo. Il prodotto deve essere messo a terna. Assicuratevi dre la struttura sia abbastianza solida per sostenere i prodotti. La sorgente luminosa nontata in questo apparecchio potrà essere sostituita esclusivamente da un addetto Schréder o da una persona parimenti qualificata.	NLD	Houd de nationale regelgeving in acht bij het aansluiten op de voedingsbron. Bij de installatie kan advies van een gekvalfliceerd persoon benodigs zijn. Voor gebruik binnen en butten Het product moet geaard zijn. Wees ezbert van dat de constructie sterk genoeg om de producten te ondesteuen.  De lichthron in dit verlichtingsbestelt zal alleen venangen worden doer een medeworker, agent of vergelijkbaar gekwalificeerd persoon van Schréder.	TUR	Güç kaynağını ulusal mevuzata uygun şekilde bağlaynuz Kurulum nilelili bir kişinin gözetiminde veyat avsiyesiyle yapılabilir. İç ve diş mekan kullarımı gündir. Ünit borşakmarıldır. Yapını bu ünüleri destekleyetlerek yeterli güce sahip olduğundan enin olun.  Bu armatilire yerleştirimiş olan ışık kaynağı, sadece bir Schreder çalışanı veya agentesi veya benzer nitelikli bir kişi tarafından değiştirilebilir.
	RISIKOGRUPPE 1	GRUPA RYZYKA 1			ГРУППА РИСКА 1		ГРУПА РИЗИКУ 1
DEU	Schließen Sie die Spannungsversorgung gemäß den nationalen Vorschriften an. Die Installation kann die Beratung durch eine qualifizierte Person erforden. Gee-ignet für die Innen- und Außenheleuchtung. Achten Sie daranf, dass das Produkt geredet ist. Stellen Sie sicher, dass der Aufbau in jeder Hinsicht eine ausreichende Festigkeit aufweist, um die Produkte zu unterstützen.	POL	Podłączenie do sieci zasilającej wykonać zgodnie z krajow- nie przejsami. Przewód ochronny powinien być Waściwie podłączony. Oprawy mogą być mortowane yklo przez wykwalifikowane osoby posiadające odpowiednie uprawnienia elektryczne. Oprawy do zastosowania wewnętrznego i zewnętrznego. Przed montażem upewnić się, że konstrukcja do której mocuje się oprawe jest odpowiednio wytrzymała.	RUS	Подключение к источнику пипания в соответствии с национальным правилами. Установка может потребовать консультацию у квалифицированного опециалиста. Для эксплуатации внутри и вне помицений. Продуг должен быть завемлен. Убедитесь, что конструкцие достаточно прочеая, чтобы выдержать вес светильника.	UKR	Підолючення до електромережі відповідно до вимог локальних нормативних долументів Установка може потребувати консультації кваліфікованого спеціаліста. Світильник для зовейшнього та внутришнього освітивням. Світигьник має бути зазвиленим. Перевонайтеся, що конструкція досить міцна, щоб витримати світитьник.
	Die eingebaufe Lichtquelle in der Leuchte sollte nur von einem Schréder Mitarbeiter oder Vertreter oder einer ähnlichen qualifizier- ten Person ersetzt werden.		Zródio światka zamontowane w tej oprawie może być tylko wymie- nione przez pracownika Schréder lub przez inną wykwalifikowaną osobę.		Источник света, установленный в этом светипнике, должен заменяться только отрудником Schréder, или специалистом аналотичной квалификации.		Джерело світла, встановлене в цей світильник, підлягає заміні лише працівником чи агентом компанії Шредер або аналогічним кваліфжюваним фахівцем.
	RISQUE GROUPE 1		GRUPO DE RIESGO 1		GRUPO DE RISCO 1		GRUPA RIZIKA 1
FRA	Connectez Talimentation en respect de la réglementation nationale. L'installation nécessite l'intervention d'une per-sonne qualifiée. Destinée à un usage en intérieur ou en extérieur. Le produit doit être raccordé à la terre. Assurez-vous que la constructi-on est assez solide pour supporter le poids du produit.	SPA	Conectado a la fuente de alimentación de acuerdo con la reglamen- tación nacional. La instalación puede requerir el assesoramiento de personal cualificado. Para ins-talación interior y exterior. El producto debe estar conectado a tierra. Asegúrese de que la fijación es lo suficientemente fuerte como para soportar los productos.	POR	Ligue a fonte de alimentação em conformidade com a regulamen- tação nacional. A instalação deve ser executada por técnico qualificado. Para exterior e interior. O produto deve ser ligado à tura. Certifique-se que a estrutura de montagem tem a resistência necessária para suportar os produtos.	SRP	Povezati sa izvorom struje u skladu sa nacionalnim propisima. Pri instalaciji može biti potreban savet kvalifikovane osobe. Za unutrašnju i spoljašnju upotrebu. Proizvod mora bli uzemljen. Obezbediti dovoljno čvrstu konstrukciju za mon-tažu proizvoda.
	La source de lumière intégrée dans ce luminaire peut uniquement être remplacée par un employé de Schréder, un agent ou une autre personne qualifiée.		La fuente de luz instalada en esta luminaria sólo puede ser substitu- ida por Schréder o un agente cualificado.		A fonte de luz montada nesta luminária só pode ser substituída por um funcionário ou agente da Schréder ou por profissional qualifica- do autorizado para o efeito.		Zamenu svetlosnog izvora ugrađenog u ovu svetlijku će izvršiti samo Schréder-ov radnik, ovlašćeni predstavnik ili slična stručna osoba.
	风险群体 1		RŮI RO NHÓM 1		KOCKÁZATI CSOPORT 1		RIZIKOVÁ SKUPINA 1
СНІ	根据国家相关规定连接电源。	VIE	Kết nối với nguồn điện cung cấp điện phù hợp với quy định quốc gia. Việc lấp đặt có thể yêu cầu tư vấn từ chuyển viên. Đối với ứng dụng chiếu sáng trong nhà và ngoài trời, sản phẩm này phải được nối dất. Cân đẩm bào rầng việc trang bi thiết lồi bố trơ chống xung điện và sét		Csalfakoztassa a berendezést a nemzeti előírásoknak megfelelűen. A telepítést csak szakképzett személy végezheti. Beltéri és kültéri haszarálhatóság, A berendezés védő főldelése minden esetben kötelező. Győződőjön meg róla, hogy a		Zapojení svítidla je nutno provést v souladu s národními předpisy. Zařízení může být instalováno pouze kvalifikovánou osobou. Pro venkovní i vnitřní použití. Výro- pok musí hů zpennání llistěta se že konstrukce nesouci svítřídní nie
	该灯具内的光源仅可由施莱德员工、指定代 理商或具备类似资质的人员进行更换。		bao rang việc trang bị thiết bị hỗ trợ chống xung diện và sét lạn truyền đủ mạnh cho sản phẩm.  Nguồn sáng được trang bị bên trong bộ đên này chỉ được thay thế bởi nhân viên Schréder hoặc đại lý hoặc người có trình độ tương đương.	HUS	szerkezet megfelel a termék fogadására.  A lámpatestbe szerett fényforás (LED-modul) cseréjét csak a gyártó, annak szervíz szolgálata, vagy erre kiképzett szakember végezhetí!	SLK	dostalečné pova vželeden ke hombost produktu.  Výmena svetelného zdroja (LED modul) je možná len výrobcom, resp. len ním vyškolenými odbomíkmi!



