

Schréder

ILUM MARK

INSTALLATION INSTRUCTIONS



ta:50°C	IEC EN 60598		IP65 IP67	DC 24V
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RISK GROUP 1 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. ENG The light source fitted in this luminaire shall only be replaced by a Schréder employee or agent or a similar qualified person.	GRUPPO DI RISCHIO 1 Connettere all'alimentazione in accordo con i regolamenti nazionali. L'installazione può richiedere l'aiuto di personale qualificato. Per uso interno ed esterno. I prodotti deve essere messo a terra. Assicurarsi che la struttura sia abbastanza solida per sostenere i prodotti. ITA La sorgente luminosa montata in questo apparecchio potrà essere sostituita esclusivamente da un addetto Schréder o da una persona parimenti qualificata.	RISICOGROEP 1 Houd de nationale regelgeving in acht bij de aansluiten op de voedingbron. Bij de installatie kan advies van een vakbekwaamd persoon benodigd zijn. Voor gebruik binnen en buiten het product moet geaard zijn. Wees er zeker van dat de constructie sterk genoeg om de producten te ondersteunen. NLD De lichtbron in dit verlichtingsapparaat zal alleen vervangen worden door een medewerker, agent of veegeplaatst gekwalificeerd persoon van Schréder.	RISK GRUBU 1 Güc kaynağını ulusal mevzuata uygun şekilde bağlayınız. Kurulum riskli bir işi gerektiren ürünün kurulumu uygun yapılabilir. İç ve dış mekân kullanımında ürün topraklanmalıdır. Ürünün yapıldığı malzemenin yeterince güçlü yapıya sahip olduğundan emin olun. TUR Bu armatüre yerleştirilm için ilk kaynağı, sadece bir Schréder çalışan veya ajansı veya benzer riskli bir işi bilenlerden değiştirilebilir.
RISIKOGRUPPE 1 Schließen Sie die Spannungsversorgung gemäß den nationalen Vorschriften an. Die Installation kann die Beratung durch eine qualifizierte Person erfordern. Geeignet für die Innen- und Außenbeleuchtung. Achten Sie darauf, dass das Produkt geerdet ist. Stellen Sie sicher, dass der Aufbau in jeder Hinsicht eine ausreichende Festigkeit aufweist, um die Produkte zu unterstützen. DEU Die eingebaute Leuchte in der Leuchte sollte nur von einem Schréder Mitarbeiter oder Vertreter oder einer ähnlichen qualifizierten Person ersetzt werden.	GRUPA RYZYKA 1 Połączenie do sieci zasilającej wykonaj zgodnie z krajowymi przepisami. Przewód ochronny powini być właściwie podłączony. Oprawy mogą być montowane tylko przez wykwalifikowane osoby posiadające odpowiednie uprawnienia elektryczne. Oprawy do zastosowania wewnętrznej i zewnętrznej. Przed montażem upewnij się, że konstrukcja do której montuje się oprawy jest odpowiednio wytrzymała. POL Zdjąć światła zamontowane w tej oprawie może być tylko wyznaczona osoba pracownika Schréder lub osoba inną wykwalifikowaną osobę.	ГРУППА РИСКА 1 Подключение к источнику питания в соответствии с национальными правилами. Установка может потребовать консультацию квалифицированного специалиста. Для эксплуатации внутри и вне помещений. Продукт должен быть заземлен. Убедитесь, что конструкция достаточно прочная, чтобы выдержать вес светильника. RUS Источник света, установленный в этом светильнике, должен заменяться только специалистом Schréder или специалистом аналогичной квалификации.	ГРУПА РИЗИКУ 1 Підключення до електромережі відповідно до вимог національних нормативних документів. Установка може потребувати консультації кваліфікованого спеціаліста. Світельник для зовнішнього та внутрішнього освітлення. Світельник має бути заземлений. Переконайтеся, що конструкція достатньо міцна, щоб витримати вагу світильника. UKR Джерело світла, встановлене в цій світільник, підміняє тільки фахівцем Schréder або фахівцем аналогічної кваліфікації фахівцем.
RISQUE GROUPE 1 Connecter l'alimentation en respect de la réglementation nationale. L'installation nécessite l'intervention d'une personne qualifiée. Destinée à un usage en intérieur ou en extérieur. Le produit doit être raccordé à la terre. Assurez-vous que la construction est assez solide pour supporter le poids du produit. FRA La source de lumière intégrée dans ce luminaire peut uniquement être remplacée par un employé de Schréder, un agent ou une autre personne qualifiée.	GRUPO DE RIESGO 1 Conectado a la fuente de alimentación de acuerdo con la legislación nacional. La instalación puede requerir el asesoramiento de personal cualificado. Para uso interior y exterior. El producto debe estar conectado a tierra. Asegúrese de que la fijación es lo suficientemente fuerte como para soportar los productos. SPA La fuente de luz instalada en esta luminaria sólo puede ser sustituida por Schréder o un agente cualificado.	GRUPO DE RISCO 1 Ligue a fonte de alimentação em conformidade com a regulamentação nacional. A instalação deve ser executada por técnico qualificado. Para exterior e interior. O produto deve ser ligado à terra. Certifique-se que a estrutura de montagem tem a resistência necessária para suportar os produtos. POR A fonte de luz montada nesta luminária só pode ser substituída por um funcionário ou agente de Schréder ou por profissional qualificado do autorizado para o efeito.	GRUPA RIZIKA 1 Povezati sa izvorom struje u skladu sa nacionalnim propisima. Pri instalaciji mora biti potrebna savet kvalifikovane osobe. Za unutrašnju i spoljašnju upotrebu. Proizvod mora biti usmeren. Obezbediti dovoljno čvrstu konstrukciju za montažu proizvoda. SRP Zamenu svetlosnog izvora ugrađenog u ovu svetiljku će izvršiti samo Schréderov radnik, ovlašćen predstavnik ili slična stručna osoba.
风险群体 1 根据国家相关规定连接电源。安装需要得到合格专业人士的指导。室内、户外均可使用。灯具必须接地。地基必须能承受灯具重量。 CHI 该灯具内的光源仅可由施耐德员工、指定代理商或具备类似资质的人员进行更换。	RỦI RO NHÓM 1 Kết nối với nguồn điện cung cấp điện phù hợp với quy định quốc gia. Việc lắp đặt chỉ cho người chuyên nghiệp. Đèn có thể được dùng trong nhà và ngoài trời, sản phẩm này phải được nối đất. Căn đảm bảo rằng việc trong là thiết bị hỗ trợ chống chịu được và sẽ làm truyền tải mạnh cho sản phẩm. VIE Người sửa chữa trong bị bên trong bộ đèn này chỉ được thay thế bởi nhân viên Schréder hoặc đại lý hoặc người có trình độ tương đương.	KOCKAZATI CSOPORT 1 Csatlakoztassa a berendezést a nemzeti előírásoknak megfelelően. A telepítést csak szakképzett személy végezheti. Belső és külső használatra. A berendezés földet kösse. Minden esetben földelje. Győződjön meg róla, hogy a szerkezet megfelel a termék kapacitásának. HUS A lámpatestbe szerelt fényforrás (LED-modul) cseréjét csak a gyártó, annak szakszolgálatja, vagy erre feljogosított szakember végezheti!	RIZIKOVÁ SKUPINA 1 Zapojení svítidla je nutno provést v souladu s národními předpisy. Zařízení může být instalováno pouze kvalifikovanou osobou. Pro vnitřní i vnější použití. Výrobek musí být uzemněn. Ujistěte se, že konstrukce nosová svítidla je dostatečně pevná vzhledem ke hmotnosti produktu. SLK Výmena svetelného zdroja (LED modulu) je možná len výrobcom, resp. len riadnym vyškoleným odborníkom!

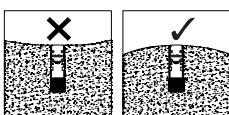
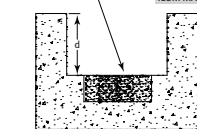
Assembly Dimensions

	L (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	Weight (kg)
ILUM MARK 1	500	35	30	84	80	1.42
ILUM MARK 2	1000	35	30	84	80	2.79

Ground Recessed Installation

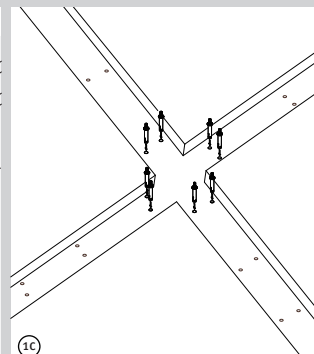
Always create a drainage area for water accumulation!

d (mm)
ILUM MARK 1
84
ILUM MARK 2
84

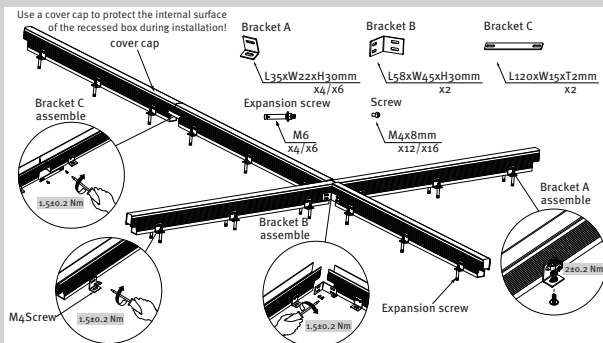


1a Reserve a space 475x120x75mm for driver box. Avoid to pour driver box into concrete.

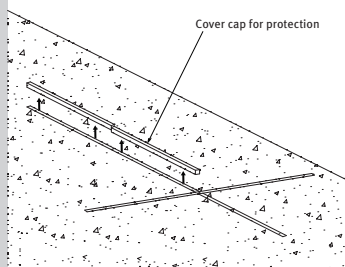
	a (mm)	b (mm)	c (mm)	d (mm)
ILUM MARK 1	59	232	156	137
ILUM MARK 2	59	365	156	137



Use a cover cap to protect the internal surface of the recessed box during installation!
cover cap

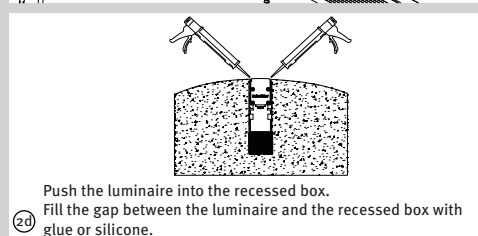
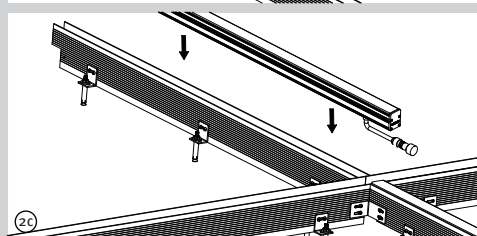
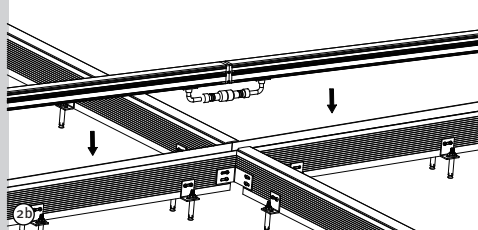
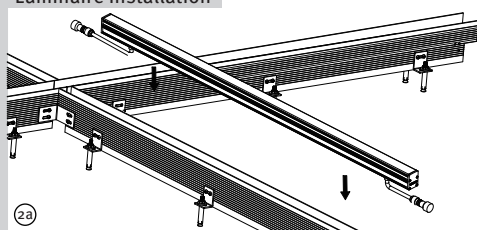


- 10 3. Insert cover cap
4. Casting concrete
5. Remove cover cap after concrete dries

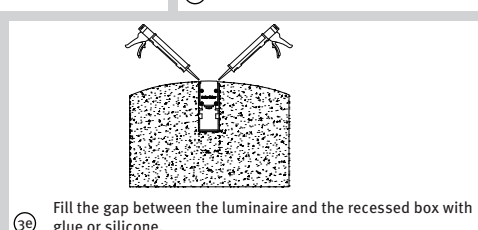
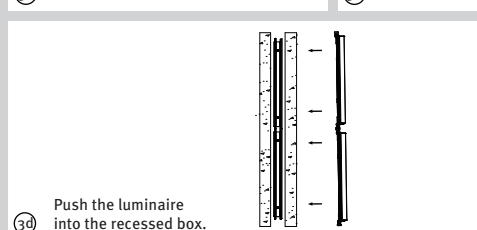
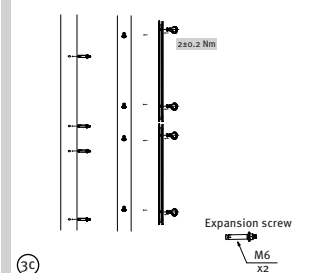
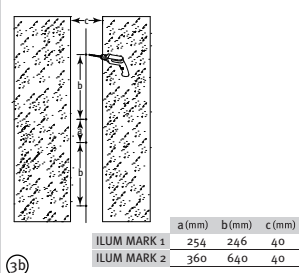
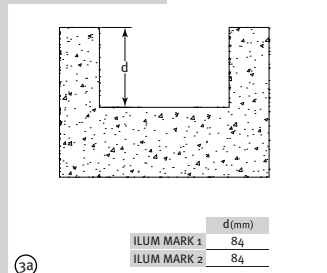


- 10 1. Use brackets A, B, and C to assemble the recess box into the desired shape
2. Use expansion screw to fasten the recess box to the ground

Luminaire installation

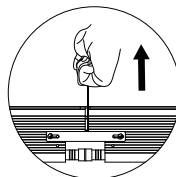
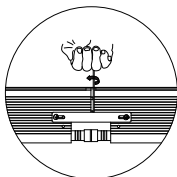
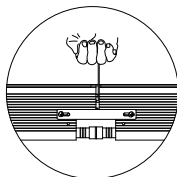


Wall Installation



Maintenance

Removal tool



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

Luminaire dimensions



	L (mm)	W (mm)	H (mm)	Weight (kg)
ILUM MARK 1	500	30	40.8	0.82
ILUM MARK 2	1000	30	40.8	1.549

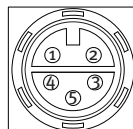
DMX

Connector's Pin Description

INPUT
Male

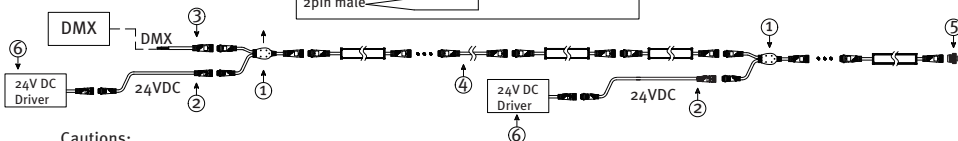
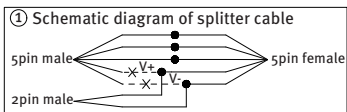


PIN CONNECTION	CABLE COLOR
1 V+	RED
2 V-	BLACK
3 DMX-	BLUE
4 DMX+	WHITE
5 DMX GND	YELLOW



OUTPUT
Female

System Connection Diagram



Cautions:

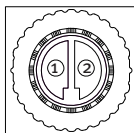
- Please use constant voltage DC 24V power supply. Recommended 150W DC 24V driver is available as accessory.
- Never connect over 7pcs(1M) / 14pcs(0.5M) in the same chain with 1 driver.
To extend the installation, please use additional drivers with splitter cable.
Max connection for 1 DMX chain is 42m (42pcs 1M or 84pcs 0.5m ILUM MARK).
- Data is only for reference. The specific quantity may vary due to different installation environments.
- Use a closing cap at female connector of last luminaire.

Accessories

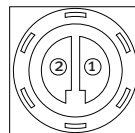
- Splitter Cable 5-pin Data/Power IP68 connector to 5-pin DMX/2-pin Power, 0.3m length.
- 24V Extension Cable 2-pin IP68 connectors, 1 or 3 or 5m length.
- DMX Input Cable 5-pin IP68 connector to 5-pin bare ends, 3m length.
- Extension Cable 5-pin IP68 connectors 2 or 5m length.
- Closing Cap The closing cap can be used on both 2-pin and 5-pin cable.
- Power Supply: Recommended 150W DC 24V IP67 driver with IP68 connector with plastic enclosure.

Standard NoDim Connector's Pin Description

INPUT
Male

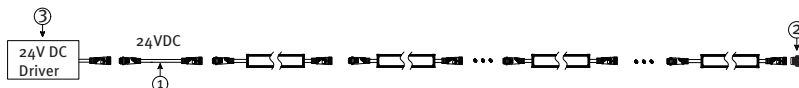


	PIN CONNECTION	CABLE COLOR
1	V+	RED
2	V-	BLACK



OUTPUT
Female

System Connection Diagram



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 last luminaire.

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 is completed certainly.
 - Don't drop or impact the luminaire during 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 2 t.
 - 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 Shröder warranty.

DMX addressing

The ILM 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.

- ILM MARK 1 (0.5m) 2 zones 6 DMX addresses per fixture
- ILM MARK 2 (1m) 4 zones 12 DMX addresses per fixture

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

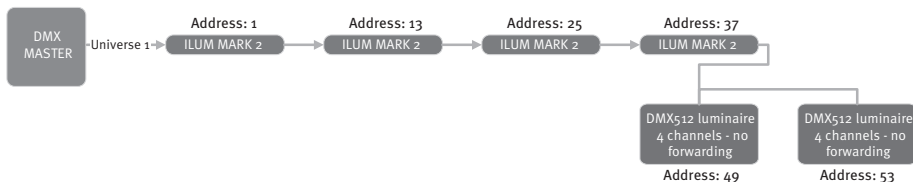
- Use another Universe in the DMX controller
- In the same universe (as the ILM MARK fixtures):
 - o Use a DMX splitter to separate the physical lines of the ILM MARK Fixtures and the other DMX luminaires
 - o Assign the other luminaires an address that lies further then the last ILM MARK (e.g. 10 fixtures of 1m occupy DMX addresses 1 to 120 by using the shift register. The first other luminaire can then be assigned to address number 121 in order to control it separately)

Examples of DMX addressing

Connecting 6 pcs of ILM MARK 2 (1m).



Connecting 4 pcs of ILM MARK 2 (1m) and 2 pcs DMX512 luminaires (4 CH) on the same universe.



Connecting 4 pcs of ILM MARK 2 (1m) and 2 pcs DMX512 luminaires (4 CH) on different universes.

