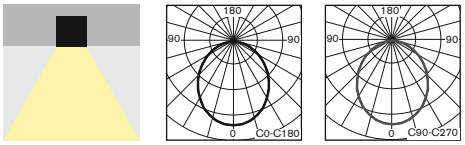
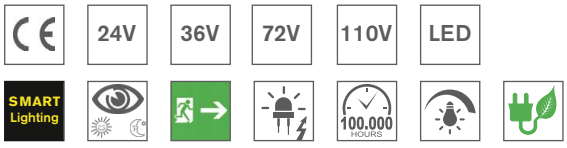
ÖBB DESIRO ML / SIEMENS





- DESIROLUX-LED is customized lighting system designed for **SIEMENS-ÖBB DESIRO ML project.** It is modular lighting system designed for direct illumination
- Controlled by SIBAS Siemens Control Unit (Stepless Dimming and 4 levels of Emergency Lighting)
- Thanks to the variable lengths it is possible to create continuous lighting band along the entire vehicle lenght.
- The complete system includes also speakers.
- All fixtures are equipped by SEC LED modules based on OSRAM Osconiq MidPower LongLife LEDs.
  Thanks to this both the maintenance and service costs are reduced.
- Easy and fast LED stripe replacement (<1min)

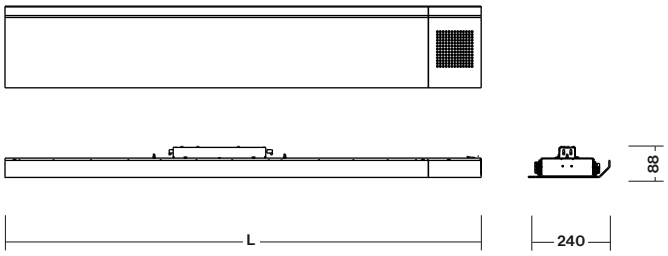
- DESIROLUX is zákaznícky svetelný systém navrhnutý pre SIEMENS-ÖBB DESIRO MLprojekt. Jedná sa o modulárny systém pre priame osvetlenie
- Napojené na cetrálnu riadiacu jednotku SIEMENS SIBAS na plynulé riadenie stmievania a 4 úrovne núdzového osvetlenia
- Vďaka modulom rôznej dĺžky (vrátane reproduktorov a koncových dielov) je možné vytvoriť "inline" systém po celej dĺžke vagóna
- Svietidlá sú vybavené dlhoživotnými MidPower LED OSRAM Osconiq, čím sa výrazne zredukovali náklady na údržbu a servisné zásahy
- Rýchla a jednoduchá výmena LED pásu (<1min)



STANDARD ACCESSORIES / ŠTANDARDNÁ VÝBAVA

- MidPower 3000K/4000K LEDs OSRAM Osconiq type serie
- LED Binning ≤ 3 MacAdam Steps
- SEC LED electronic ballast with Dimming Function
- Central Control
- Service friendly LED modules locking system (screwless)
- AL sheet base painted in RAL9003
- Diffuser made of semi-opal milky colour PC complying and EN45545
- Halogen-free "INLINE" wiring
- WAGO I/O connectors
- Speaker

- MidPower LED OSRAM Osconiq 3000K/4000K
- LED Binning ≤ 3 MacAdam Steps
- SEC LED stmievateľný elektronický predradník
- Central Control
- bez-skrutkové uchytenie LED modulov, výmena <1min
- Základňa svietidla vyrobená z AL, lakovaná v RAL9003
- difúzor svietidla vyrobený z poloopálového PC spĺňajúci EN45545
- Halogénovo bezpečné vodiče, priebežná kabeláž
- WAGO I/O konektory
- Integrovaný reproduktor



OPTIONS / PRÍPLATKY

- Alternative colour surface treatment
- Alternative customised dimmensions
- Alternative LED light colour
- SMART Light & DATA BUS Control (refer to page No 45-51)

- Alternatívna farba svetla pre LED
- Alternatívna farba povrchu
- Alternatívne rozmery modulov
- SMART Light & DATA BUS riadenie a komunikácia (pozri str.45-51)

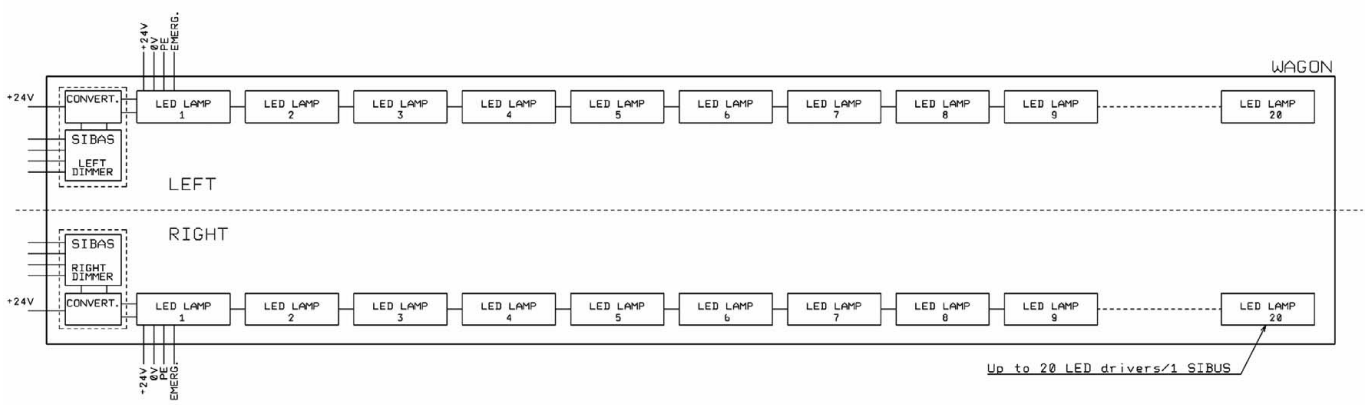
DESIROLUX-LED (291-B)

Type / Typ	LENGTH mm	Power Supply	Light Source	Dimming	SMART Lighting
DESIROLUX 126xLED + SPEAKER	2380 mm	DC 110V	126xLED 3000K / 4000K	YES	OPTION
DESIROLUX 70xLED + SPEAKER	1364 mm	DC 110V	70xLED 3000K / 4000K	YES	OPTION
DESIROLUX 63xLED + SPEAKER	1324,6 mm	DC 110V	63xLED 4000K	YES	OPTION
DESIROLUX 77xLED	1348 mm	DC 110V	77xLED 3000K	YES	OPTION
DESIROLUX 56xLED	1006 mm	DC 110V	56xLED 3000K / 4000K	YES	OPTION
DESIROLUX 49xLED	917 mm	DC 110V	49xLED 3000K	YES	OPTION
DESIROLUX 35xLED	650 mm	DC 110V	35xLED 3000K	YES	OPTION
DESIROLUX-LED - CUSTOMISED	CUSTOMISED	CUSTOMISED	CUSTOMISED	OPTION	OPTION

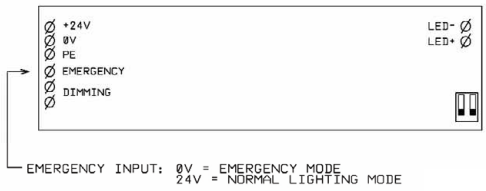
Ask SEC for detailed drawings or the specific item order code (design@sec.sk)

ÖBB DESIRO ML / SIEMENS

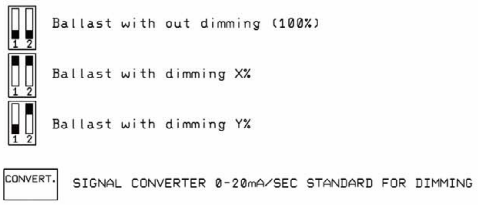
Electrical diagram for Stepless dimmable LED lighting fixtures controlled by 1-10V control signal and EMERGENCY control input signal
Schéma zapojenia plynule stmievateľného svetelného systému riadeného signálom 1-10V a EMERGENCY vstupným signálom



LED DRIVER DETAIL:



DIP SWITCH DETAIL FOR EMERGENCY MODE:



X%= customised emergency lighting output level set-up in order to achieve eg 5lux on the floor
Y%= customised emergency lighting output level set-up in order to achieve eg 40lux in threshold door area

X%= nastavenie výkonu tak, aby sa dosiahlo napr. 5lx na podlahe
Y%= nastavenie výkonu tak, aby sa dosiahlo napr. 40lx v priestore dverí



SIEMENS

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Recessed Lighting fixtures for Direct Lighting

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