



NoLimit Lighting System

Configuration

NoLimit Lighting System

Boundless variety

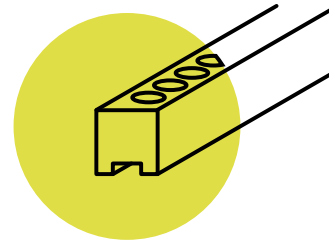
NoLimit is an innovative linear **LED system** consisting of a **modular kit** of **profiles, light inserts, and control gear**.

It offers planners maximum flexibility in designing the ceiling structure and the lighting effect within a space—whether through accent or general lighting, using colored, dynamic light, or Tunable White technology. Its design language is minimalist, allowing it to blend seamlessly into the architecture or create striking visual accents. The consistent linear aesthetic—available in **black or white**—demonstrates immense transformative potential.



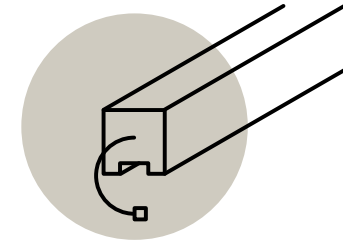
6 Profiles

The slender profiles feature a minimalist aesthetic in black or white. Large profiles offer **three locking positions** for the light inserts, while small profiles offer two.



6 light inserts

NoLimit offers **optics, reflector, and linear inserts** that can be installed in the profile in a recessed, flush, or projecting position.



7 Power supply units

The control gear is mounted either inside the profiles or externally. The **LI value (performance index)** indicates which control gear can be combined with which luminaires.

Profiles



NoLimit Pendel

Pendulum profile for height-adjustable ceiling suspension.
L 2,300 x W 50 x H 125 mm



NoLimit Einbau

Profile with overlapping flange for ceiling installation.
L 2,300 x W 50 x H 68 mm,
installation depth 90 mm.



NoLimit Einputz

Plaster-in profile for seamless ceiling installation.
L 2.300 x W 50 x H 125 mm



NoLimit Anbau 70

Profile for surface mounting.
L 2.300 x W 50 x H 70 mm



NoLimit Anbau 105

Profile for surface mounting.
L 2.300 x W 50 x H 105 mm



NoLimit Plus Profil

Prefabricated gypsum board component with an integrated profile.
L 2.000 x W 150 x H 105,25 mm



NoLimit Plus SAL

Profile with an integrated cutout for the SAL ventilation insert. Available in lengths from 800 to 1,300 mm.
L 800-1.300 x W 150 x H 105,25 mm



NoLimit Blindabdeckung

Profile for covering gaps.
L 2.300 mm

All profiles and the blanking cover are available in either white or black.



You can find all NoLimit profiles here:
<https://www.instalighting.de/categories/lichtsystem-nolimit>



You can find an overview of the accessories for NoLimit on pages 9–11 of this PDF.
On our website, this is listed in the lower section of the respective product detail pages.

Light inserts



NoLimit Pixel PX

NoLimit spotlights powered by Elements for accent or general lighting.
CC, Mono | TW
Performance Index: **11** (1x2) / **22** (1x4 TW)



NoLimit Pixel-Strahler PXS

Swiveling spotlights for directional lighting.
CC, Mono | TW
Performance Index: **11** (1x2) / **22** (1x4 TW)



NoLimit Akzent HA

Rotatable and tiltable light insert for precision accent lighting.
CC, Mono | TW
Performance Index: **6**



NoLimit Optik HO

NoLimit light insert for brilliant light.
CC, Mono | TW
Performance Index: **30** / **32** (TW)



NoLimit Linear Diffuse LDF

NoLimit linear luminaire for the uniform illumination of vertical or horizontal surfaces.
CC, Mono | TW
Performance Index: **11 ... 88**



You can find all NoLimit light inserts here:
<https://www.instalighting.de/categories/lichtsystem-nolimit>

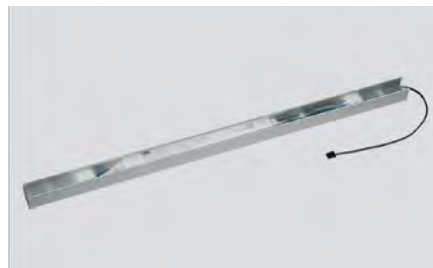
Power supplies Constant current



NoLimit PSU CC 50 DA DT8 TW

L 800 x W 38 x H 32 mm

DALI dt8, Performance Index: **24 ... 88**



NoLimit PSU CC 50 DA

L 800 x W 38 x H 32 mm

DALI, Performance Index: **24 ... 88**



NoLimit PSU CC 85 2DA

L 800 x W 38 x H 32 mm

DALI, Performance Index: **2 x (32 ... 81)**

Sum of both channels max. 154



NoLimit PSU CC 75 2DA

L 800 x W 38 x H 32 mm

DALI, Performance Index: **2 x (24 ... 88)**

Sum of both channels max. 138



NoLimit PSU CC 50 DA DT8 TW E

L 800 x W 38 x H 32 mm

DALI dt8, Performance Index: **24 ... 88**



NoLimit PSU CC 50 DA E

L 135 x W 77 x H 30 mm

DALI, Performance Index: **4 ... 90**



NoLimit PSU CC 100 2DA E

L 135 x W 77 x H 30 mm

DALI, Performance Index: **2 x (4 ... 90)**

NoLimit's extensive portfolio requires an appropriate power supply: voltage-controlled for low-power applications, and current-controlled for mid- and high-power applications. The control gear is housed within the profiles or mounted externally. Power supplies mounted outside the installation profile are identified in the product code by an appended **"E"** (for **"external"**).



You can find all NoLimit power supplies here:

https://www.instalighting.de/product_types/nl-versorgung

Here's how it works:

Configuring NoLimit in 4 steps

1. Determine the type of mounting

NoLimit mounting profiles enable the use of NoLimit light inserts in various mounting situations. The following mounting profiles are available (see p. 03):

- NoLimit Anbau 70
- NoLimit Anbau 105
- NoLimit Pendel
- NoLimit Einbau
- NoLimit Einputz
- NoLimit Plus Profil



2. Determine the position of the light insert within the profile

✓ Three locking positions are available for mounting the lights:

- **Recessed in profile**
When the lighting system is installed in the ceiling, this stepped recess creates elegant shadow gaps that make the luminaires or ventilation inserts (slot rails) appear to vanish.
- **Flush with the profile**
This allows for a tidy, homogeneous ceiling design, as the lights or ventilation inserts (slotted rail) are flush with the plasterboard ceiling at the same height.
- **Outstanding**
At this detent position, the light insert projects 15 mm from the luminaire profile. The lighting effect is particularly striking when NOLIMIT LINEAR DIFFUSE LDF inserts are used. Light is then also emitted via the visible side surfaces of the luminaire, providing pleasant illumination for the ceiling surface.



✓ Optimally utilize the installation space within the profile.

In addition to the luminaires or ventilation inserts (slot rails), the installation space must also accommodate the control gear for the luminaires. Depending on the profile, luminaires or ventilation inserts (slot rails) can be positioned beneath the power supply units or elsewhere. Power supply units are compatible with all profiles and are always located at the very back. If a power supply unit and a luminaire do not fit one above the other, they can also be arranged side-by-side within the profile.

3. Coordinate profiles and accessories

Corner bracket



NoLimit EW90 PE

Corner bracket 90°
for Profile NoLimit Pendel



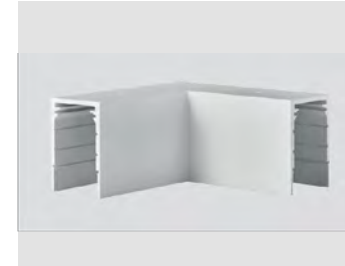
NoLimit EW90 EB R

Corner bracket 90°
for Profile NoLimit Einbau



NoLimit EW90 EP

Corner bracket 90°
for Profile NoLimit Einputz



NoLimit EW90 AB F

Corner bracket 90°
for Profil NoLimit Anbau 70



NoLimit EW90 AB H

Corner bracket 90°
for Profil NoLimit Anbau 105

Corner bracket



NoLimit EW90 EP Plus

Corner bracket 90°
for Profil NoLimit Plus/SAL

All corner brackets are available in either white or black.

Longitudinal profile connector



NoLimit LPV

Set longitudinal profile connector



NoLimit LPV Plus

Set longitudinal profile connector



NoLimit Spachtelkeder

Profiles are available in straight versions and as 90° corner angles. Straight profiles can be cut to the required length. The NL LPV and NL LPV Plus linear profile connector sets are available for joining the components; they are required at every connection point.

3. Coordinate profiles and accessories

End caps



NoLimit PE SK

Set of end caps for profile
NoLimit Pendel



NoLimit EB SK

Set of end caps for profile
NoLimit Einbau



NoLimit EP SK

Set of end caps for profile
NoLimit Einputz



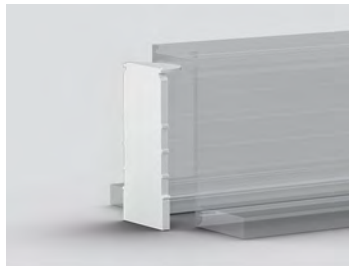
NoLimit AB SK F

Set of end caps for profile
NoLimit Anbau 70



NoLimit AB SK H

Set of end caps for profile
NoLimit Anbau 105



NoLimit Plus SK

Set of end caps for profile
NoLimit Plus/SAL

Every profile system has two open ends, unless a closed rectangular configuration is planned. Matching end caps are available in pairs to seal the ends. The set also includes a rubber grommet to protect power supply cables, should you wish to drill a hole in the profile to route a feed line—an option available at any point along the profile.

3. Coordinate profiles and accessories

Pendel-Set

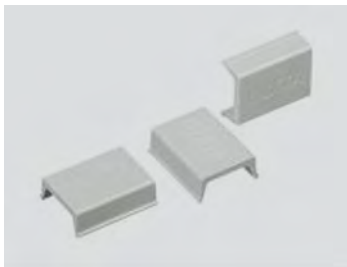


NoLimit PE B

Cable and pendant mounting set for pendant profile

The NL PE B pendant set is specifically designed for the NoLimit pendant profile. It allows for the installation of a height-adjustable ceiling suspension at any desired location.

Cable holder



NL ZM K 001

Cable holder set 10 St.

Longer connecting cables are frequently used when installing light inserts into the profile. To ensure they do not get in the way, they can be neatly secured at any point along the profile using NL ZM K 001 cable holders. This simplifies installation and keeps the system organized.

Swivel bracket



NoLimit EB R SB 1-12,5 mm

Set Swivel bracket



NoLimit EB R SB 12,5-25 mm

Swivel bracket

The swivel brackets are available in various sizes to match the thickness of the plasterboard ceiling. They are used to mount the NoLimit recessed profile.

Protective cover



NL ZM M 001

Protective cover 2.300 mm

Protective covers for the construction phase are available for all profiles. They prevent damage to or soiling of the profiles' interior.

4. Complete the professional fit-out

✓ Select the type of lighting

The NoLimit lighting system offers three different lighting solutions:

- **Monochromatic white** CC (constant current): The color temperature of the white light can be freely selected based on the luminaire type and application, with options of 2200, 2700, 3000, or 4000 K. All luminaires within the chain can be controlled together.
- **Tunable White** (TW) CC (constant current): Tunable white light allows the artificial lighting to be adjusted to the natural shifts in daylight. Please refer to the respective data sheet for the exact color temperature range. All luminaires in the chain can be controlled together.
- **RGB LEDTRIX**: RGB luminaires featuring LEDTRIX enable dynamic color lighting solutions for accent or decorative lighting. Our service team handles the configuration for you. For maximum flexibility, all luminaires within the chain can be controlled individually.

✓ The lighting control system

Monochromatic white (CC) and Tunable White (CC) lighting can be controlled via DALI and is dimmable in these configurations. DALI control gear is also compatible with CASAMBI wireless modules.

✓ The technical structure

Separate connectors and compatible light inserts are available for the monochrome white, Tunable White, and RGB LEDTRIX lighting solutions. These form the basis for creating custom lighting circuits that can be installed in the profile in any desired number.

The setup is always the same: a power supply unit is connected to the lights via ready-to-plug cables to form a chain. Depending on the system, the cable is fitted with a dedicated terminating plug.

4. Complete the profile structure

✓ Intelligent expansion

The NoLimit profiles form a modular system that was developed to accommodate technically necessary components. Our expanded NoLimit Plus system is all about light combined with ventilation. However, other components can also be integrated, such as sensors or cameras.

There are numerous possible applications; please feel free to contact us regarding special requests.

✓ Configure luminaires (CC) and power supply via the Power Index (Li)

Most NoLimit light inserts are based on constant current (CC).

There are two systems: monochromatic white CC (constant current) and Tunable White (TW) CC (constant current)—a mixable white.

- **Step 1: define the system**

You select either monochromatic white or tunable white (TW), along with the corresponding luminaires and suitable power supply units. These can be mounted either inside or outside the NoLimit profile. Power supply units intended for external mounting are marked with an additional “E” (for external) in the order code.

- **Step 2: Observe the performance index (Li) for power supply units**

Jedes Netzteil verfügt über einen eigenen Leistungsindex. Dieser gibt an, in welchem Leistungsumfang Leuchten angeschlossen werden können (bei LEDs gibt es eine Mindestlast).

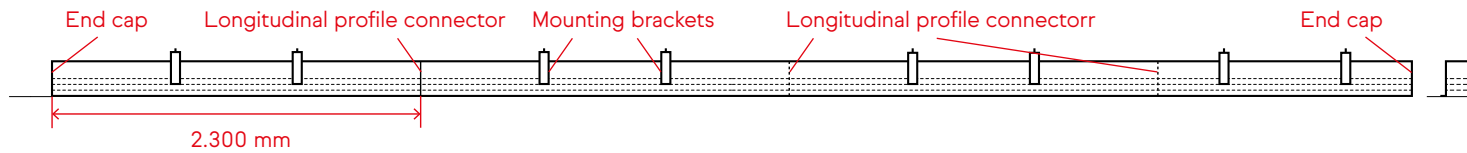
- **Step 3: Observe the performance index (Li) for luminaires**

Each light fixture has its own power rating. If you wish to connect multiple fixtures to a single power supply, add up their power ratings and determine which power supply is suitable; the total power rating of the fixtures must match the power rating specified for the power supply.

Example configuration:

NoLimit recessed profile with three light inserts and a flush-mount step for ceiling-flush installation.

NoLimit Einbauprofil



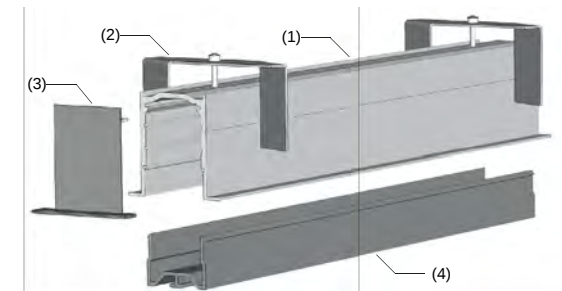
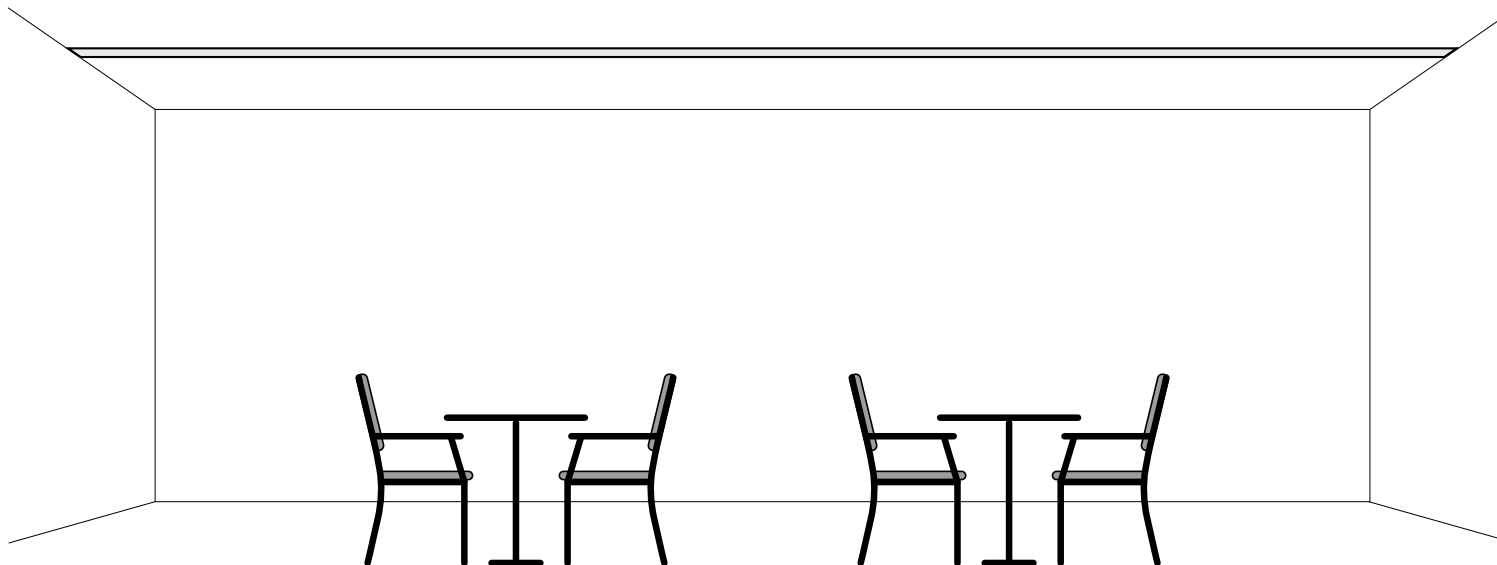
With the ceiling-flush installation profile from NoLimit, the ceiling acquires a clean, uncluttered appearance.

- Selection:
- 4 x Profile NoLimit Einbau
 - 3 x Set Longitudinal profile connector NoLimit LPV
 - 4 x Set Swivel bracket NoLimit EB R SB
 - 1 x Set End cap NoLimit EB SK



NoLimit Einbau

- Ceiling recessed profile
- L 2.300 x B 50 x H 68 mm
- ET 90 mm



- (1) Installation profile
- (2) Mounting bracket
- (3) End cap
- (4) Protective cover

Backlighting with wall washers



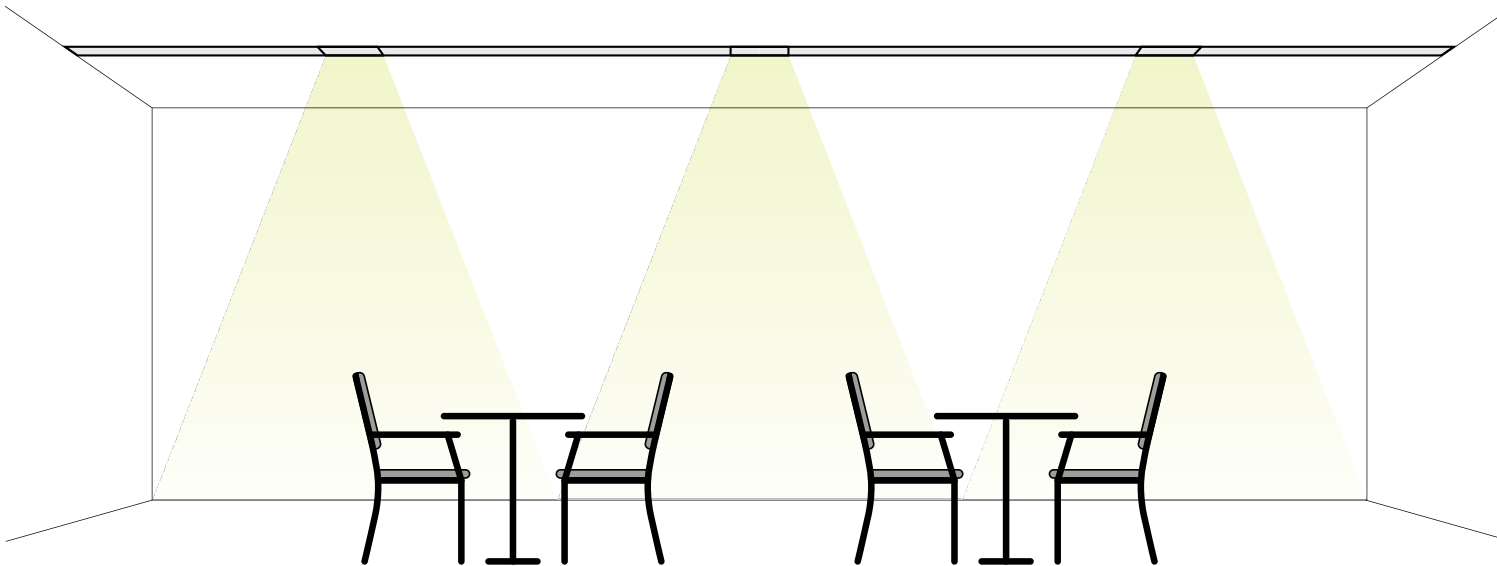
Wallwashers provide uniform background illumination across the wall surface, making the room appear brighter. The width of the light beams is determined by the luminaires' beam angle. Thanks to the locking mechanism, the light inserts sit flush with the ceiling, creating a clean, level finish.

Selection: • 3 x NoLimit PX 1x4 TW BL WWFL 164 CC



NL PX 1x4 TW BL WWFL 164 CC

- CC (dt8), TW (2200 ... 5700 K)
- Beam angle: Wallwash Flood
- L 164 x W 41 x H 48 mm
- Power consumption: 11,8 W
- Performance index: **22**



General lighting with downlights



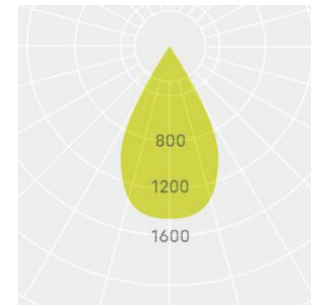
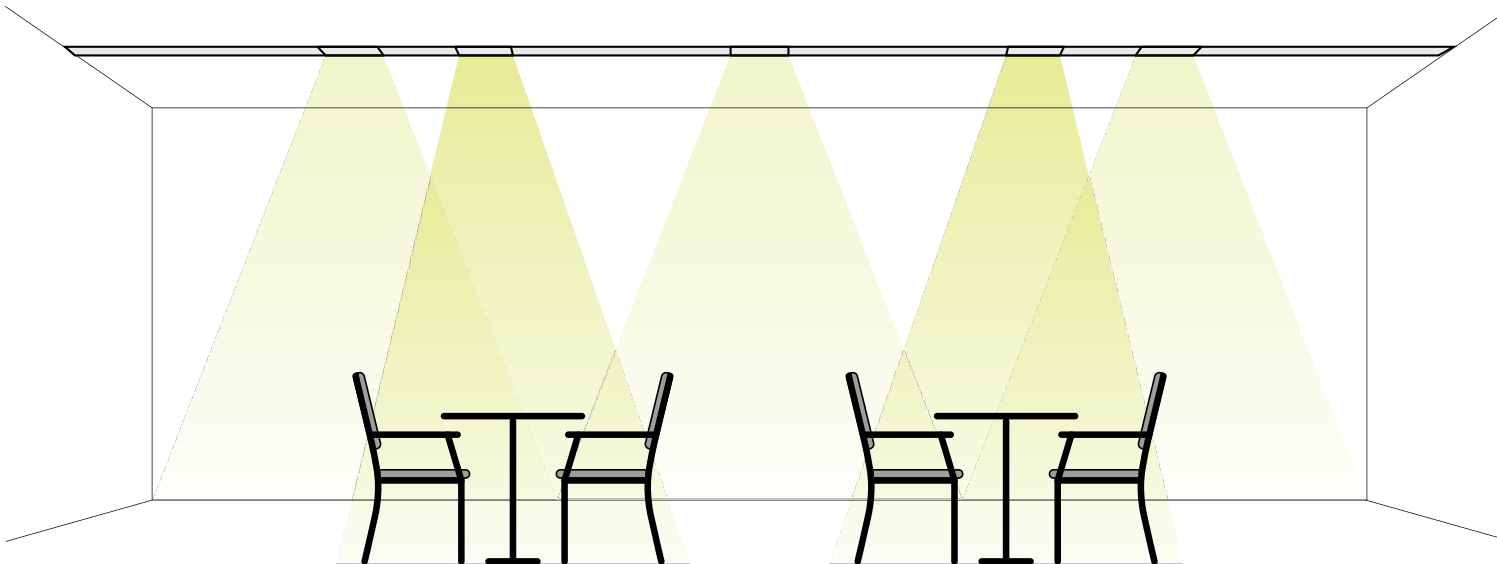
The background lighting is complemented by general illumination provided by downlights with a wide light distribution. Both wallwashers and downlights can be accommodated within the NoLimit profile. The example illustrates a restaurant layout in which the profile is aligned with the axis of the dining tables; the mounting variant shown is flush with the ceiling.

Selection: • 2 x NoLimit PX 1x4 TW BL FL 164 CC

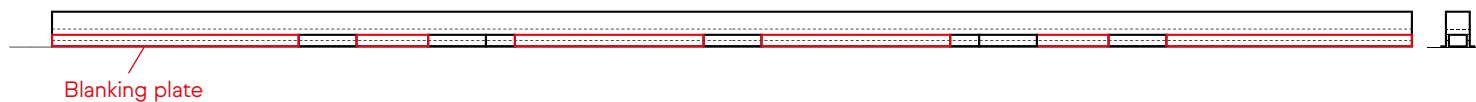


NL PX 1x4 TW BL FL 164 CC

- CC (dt8), TW (2200 ... 5700 K)
- Beam angle 57°
- L 164 x W 41 x H 48 mm
- Power consumption: 11,8 W
- Performance index: **22**



Directional accent lighting with spotlights



Each individual table also receives a directional light to provide accentuation within the room. Light inserts with a narrow-beam spotlight characteristic are suitable for this purpose and are likewise integrated into the NoLimit profile system. This creates a balanced atmosphere that combines and harmonizes functional and atmospheric lighting. The recessed fixture shown is flush with the ceiling.

Selection: • 2 x NoLimit PX 1x2 930 BL SP 82 CC

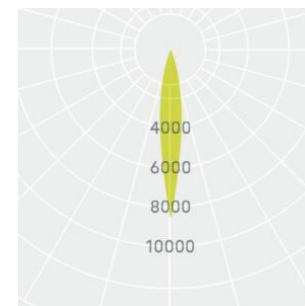
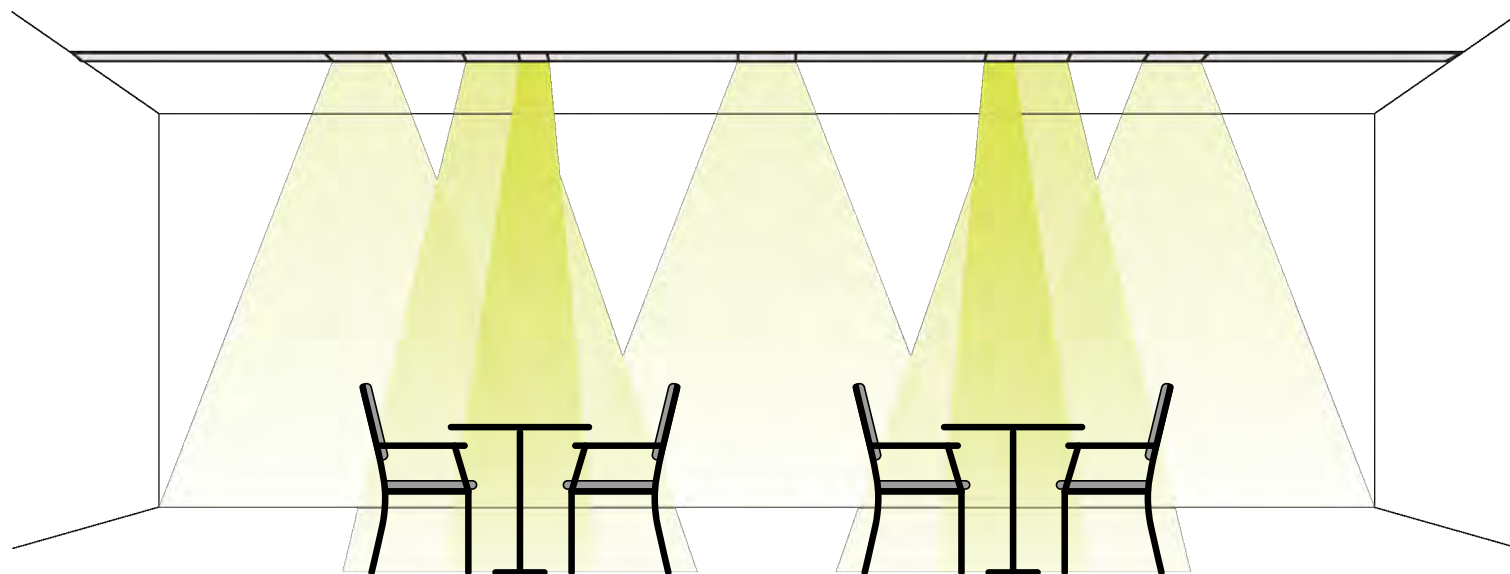
- Cover profiles (2,300 mm): These are fitted on-site to the open sections and can be cut to size using a hacksaw. The required quantity is calculated using the formula:

$$(\text{Total profile length} - \text{Total length of light inserts}) \div 2,300 \text{ mm (cover profile length)}.$$

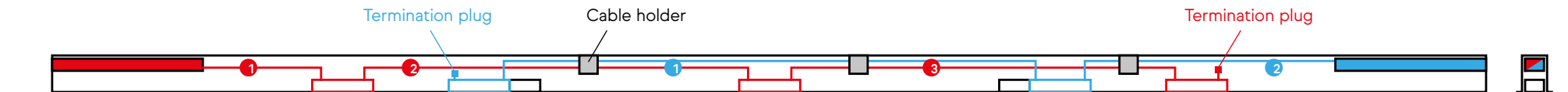


NL PX 1x2 930 BL SP 82 CC

- CC, Mono 3.000 K
- Beam angle: 13°
- L 82 x W 41 x H 48 mm
- Power consumption: 5,6 W
- Performance index: **11**



Selection of power supplies



For lighting circuit 1, wallwasher / background lighting

- 3 x **NL PX 1x4 TW BL WWFL 164 CC** Li: 22 + 22 + 22 / total: 88
- 1 x **NL PSU CC 50 DA DT8 TW** Li: 24 ... 88
- 1 x **NL Q4P KSS TW** Termination plug included
- 1 x **NL VL Q4P M 5** ① Extension cord TW 0,5 m
- 2 x **NL VL Q4P M 20** ② ③ Extension cord TW 2,0 m
- 1 x **NL ZM K 001** Cable holder set 10 St.

For lighting circuit 2, downlights / general lighting

- 2 x **NL PX 1x4 TW BL FL 164 CC** Li: 22 + 22 / total: 44
- 1 x **NL PSU CC 50 DA DT8 TW** Li: 24 ... 88
- 1 x **NL Q4P KSS TW** Termination plug included
- 1 x **NL VL Q4P M 20** ① Extension cord TW 2,0 m
- 1 x **NL VL Q4P M 10** ② Extension cord TW 1,0 m

Fine-tuning the lighting effect is possible via an intelligent lighting control system for the luminaire circuits, such as DALI. This allows the luminaire circuits to be controlled independently of one another to define and program specific lighting scenes. A luminaire circuit comprises the control gear, light inserts, and an end connector. Each light insert is equipped with approximately 15 cm of input and output cabling, to which either an extension cable or an end connector can be attached.

Selection of power supplies



For lighting circuit 3, spotlights / accent lighting

- | | | |
|-------|--|---------------------------|
| • 2 x | NL PX 1x2 930 BL SP 82 CC | Li: 11 + 11 / total: 22 |
| • 1 x | NL PSU CC 50 DA E | Li: 4 ... 90 |
| • 1 x | NL Q4P KSS Mono | Termination plug included |
| • 1 x | NL VL 4P M 5 1 | Extension cord Mono 0,5 m |
| • 1 x | NL VL 4P M 20 2 | Extension cord Mono 2,0 m |

The example demonstrates that an external power supply unit is required for the third lighting circuit—which operates two NoLimit Pixel modules (narrow-beam spots)—because the total power index (Li) value is 22. The reason for this is that the control gear units designed for profile mounting require a minimum Li value of 24. If the power supply units are to be installed inside the profile, there are two options: selecting light inserts with a sufficient Li value (e.g., 1x4 instead of 1x2) or opting for an additional light insert (Li: 3 x 11 = 33).

What can we do for you?

Our service team is happy to assist you with questions regarding the configuration of NoLimit and the use of RGB modules.

Simply give us a call or contact us via email.

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