

# LUNA IP40



A modern interior space featuring a long, white, curved modular bench. In the foreground, a modern chair with a white shell and a green upholstered seat is visible. The background consists of a dark wood-paneled wall with a horizontal light strip above it. The floor is covered with a patterned rug.

LUNA

OUTSTANDING  
HIGH  
MODULARITY

A man in a dark suit is walking from left to right in a modern office lobby. He is in profile, looking towards the right. The floor is made of large, light-colored stone tiles. In the background, there is a large, dark wood-paneled wall. On this wall, the letters 'C/M/S/' are mounted in a large, white, sans-serif font, with a thin white horizontal line underneath. Below the line, the words 'Law. Tax' are written in a smaller, white, sans-serif font. To the right of the wood paneling, there is a large glass wall or window that looks out onto a bright, overcast day. A curved, light-colored concrete bench is visible near the glass wall. The ceiling is white with several recessed circular lights and a security camera mounted on it.

C/M/S/

Law. Tax

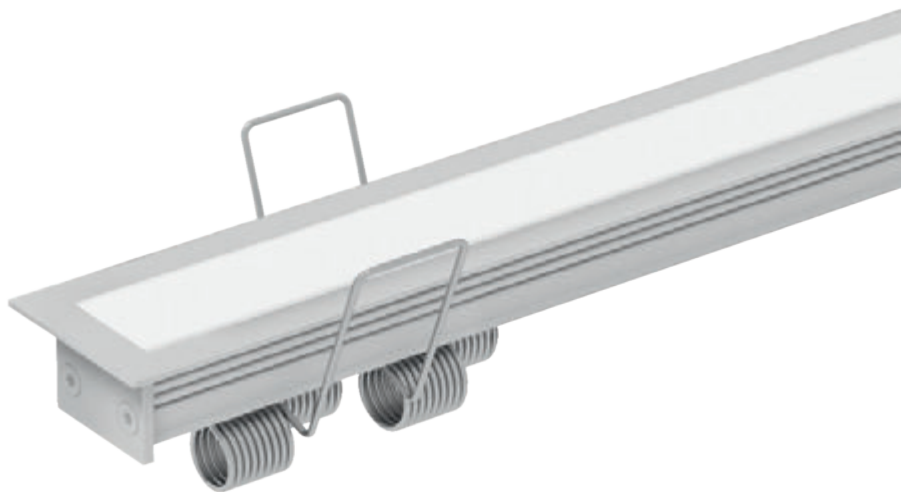
# LUNA

Outstanding high modularity –  
the elegant lighting solution for recessed applications

LUNA is a lighting solution for recessed applications that lets architecture consistently take precedence. Its elegant luminaire body in three different colors disappears into the ceiling and fits as unobtrusive as possible in any room concept. An advantage is the very low installation depth of only 25 mm (0.98"), which allows the installation in suspended ceilings with low stock allowance. The easy tool-free installation with mounting springs proves to be very user-friendly. In normal ceilings the luminaire is installed with a mounting profile and an installation depth of 20 mm (0.78").

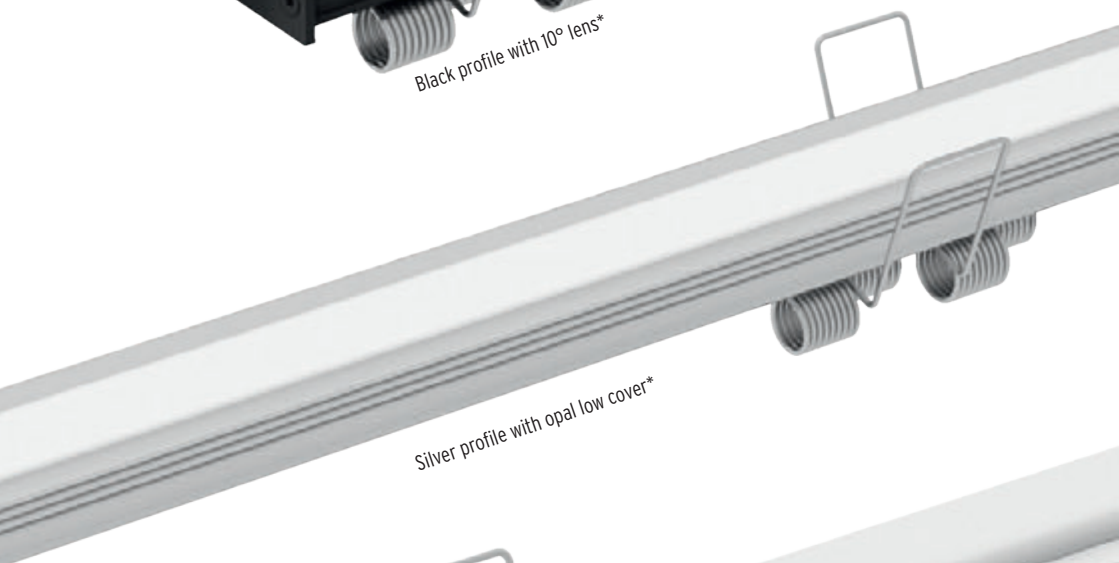
LUNA is also functionally convincing: with 12 available optics and variable lengths of up to 4 m (13.1') it is suitable for various applications. With the three lenses in 10°, 30° and 60° grazing light effects and targeted light control for highlighting architectural details are possible. The nine available covers in clear, diffuse and opal provide soft light for general lighting. Equipped with powerful LED strips of up to 36 W/m (11 W/ft) the luminaire offers a high luminous flux of up to 5,000 lm/m (1,524 lm/ft).

The luminaire has a protection class of IP40, but the protection classes IP44 and IP67 are also available on request. It is suitable for applications in living rooms, museums, galleries, corridors, shops, hotels and offices.

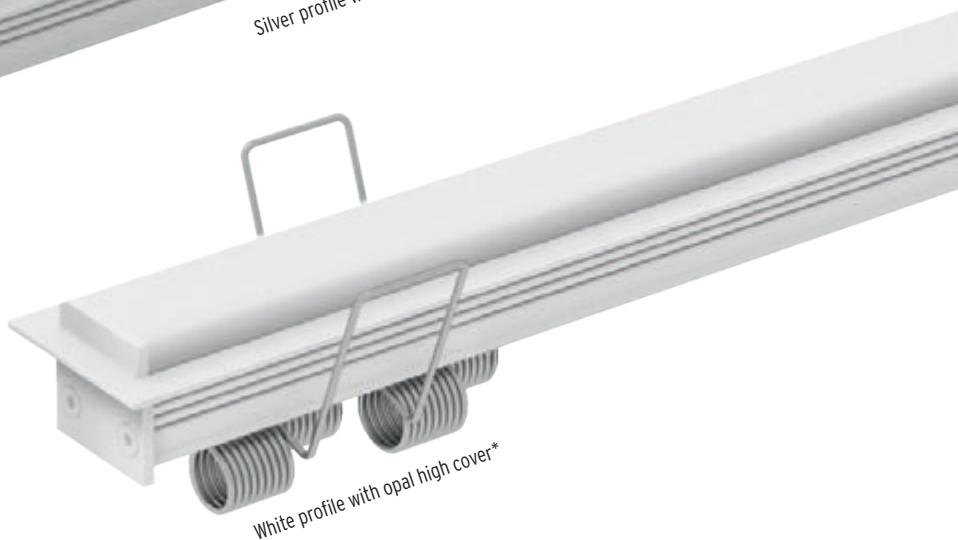




Black profile with 10° lens\*



Silver profile with opal low cover\*



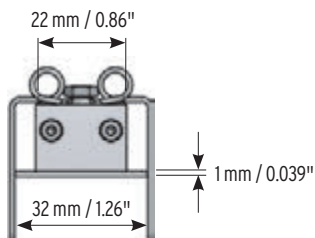
White profile with opal high cover\*

\* The shown luminaires are just examples of profile / optic combinations. There are way more possible options.

# LUNA

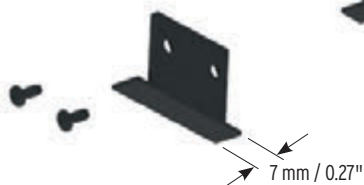
Features, benefits and 14.000 variants!

Elegant lighting solution offering easy installation with mounting brackets



Very low installation depth of only 25 mm (0.98")

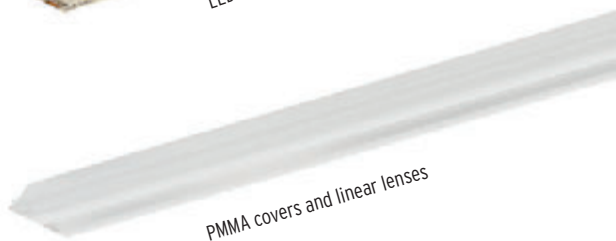
3 profile colors and variable lengths of up to 4 m (13.1')



7 mm (0.27") trim

11 efficient white LED tapes with 8 color temperatures, 4 IQ White tapes and 2 RGB tapes

12 optics, suitable for many different applications





#### Linear, modular LED recessed luminaire

Cross section	32 mm (1.26") x 17.5 mm (0.69")
Length	up to 4 m (13.1')
Power	3 W/m - 40 W/m (0.91 W/ft - 12.2 W/ft)
Luminous flux	450 lm/m - 5,000 lm/m (137 lm/ft - 1,524 lm/ft)
max. Efficacy	up to 150 lm/W
Beam angle/optics	10°, 30°, 60°, 80° - 154°
Color temperature	2,000 K - 5,000 K
Colors	White, IQ White, RGB
CRI	85 - 95



# LUNA White

Choose from 11 White LED tapes to match your application

VarioLED™ Flex HYDRA SLD3 – 250 mm (9.84") step length

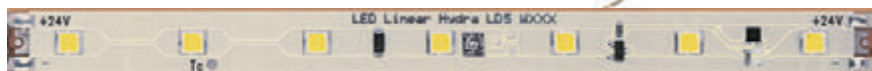


High efficiency with 150 Lumen/W

Low light output without the use of dimming

Max. serial run length of 10 m (32.8')

VarioLED™ Flex HYDRA LD Series – 125 mm (4.92") step length



CRI > 95 available at LD5

Up to 4,130 Lumen/m (1,259 lm/ft)

Ideally suited for the use with linear lenses for precise light control

VarioLED™ Flex HYDRA HD Series – 62.5 mm (2.46") step length



Short LED pitch of only 8.9 mm (0.35")

CRI > 95 (for HD6 and HD10) and up to 5,000 Lumen/m (1,524 lm/ft)

Can be used with opal covers for absolutely homogeneous light






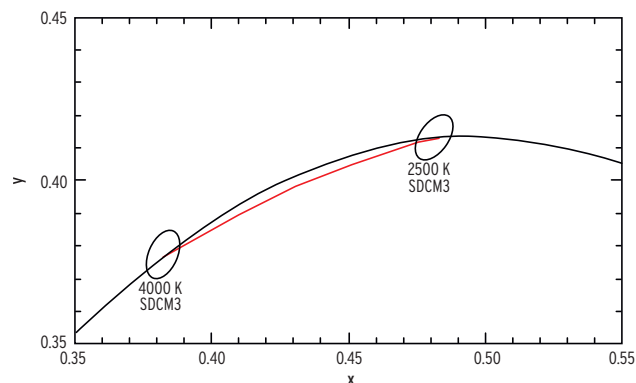


## LUNA IQ White

Perfect CCT mixing all along the line

Superior mixing of warm white (2,200 K) and neutral white (4,000 K) to stage your application. Homogeneous color temperature gives you an inimitable new lighting experience. Available are 4 IQ White tapes to match your application in terms of lumen output, step length and color temperatures. Choose between IQ White HYDRA LD25 with a step length of 250 mm (9.84") or three different IQ White ATON HD versions with a step length of 62.5 mm (2.46") and either 12, 24 or 42 Watt/m (3.6, 7.3, 12.8 Watt/ft).

Example: LUNA IQ White ATON HD42		lumen/m (lm/ft) @ clear cover	Color temperature CCT
W822		1,720 (524.4)	2,200 K - 4,000 K
W840		1,870 (570.1)	
Total (W822 + W840)		3,590 (1,094.5)	



CCT mixing right below the Planckian locus with respect to the atmospheric optical window. This is the most natural and convenient method of mixing color temperatures depending on the daily course of the sun.

We also offer 2 RGB tapes for atmospheric lighting and color accents for every application. Please find further details on page 15.

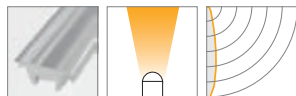
# LUNA

Highly modular lighting system with 12 different optics

3 lenses - Precisely manufactured PMMA optics for light control without large loss in luminous flux

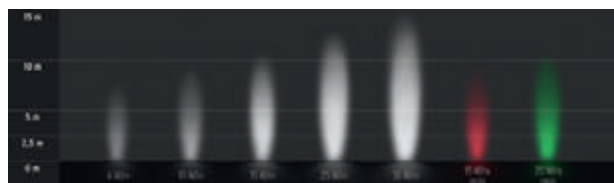
---

Lens 10°



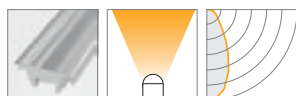
**Linear lens, narrow**

- Absolute strictly directional light distribution for precise illumination
- Enormous and exact illumination at very high luminance



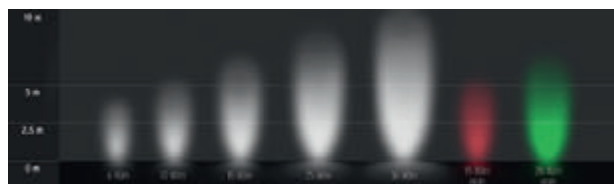
Grazing

Lens 30°



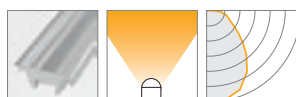
**Linear lens, medium**

- Precise, deep light distribution for accurate illumination of areas
- Thorough illumination at high luminance and very directional light



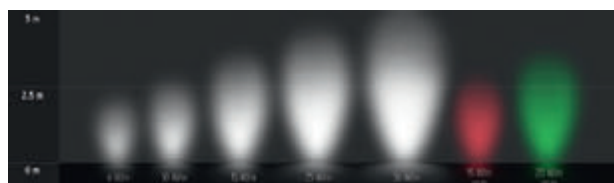
General lighting  
Accent and decorative lighting

Lens 60°



**Linear lens, wide**



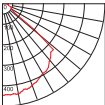


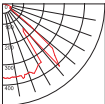


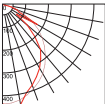


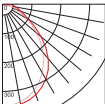


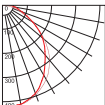


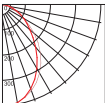


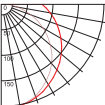


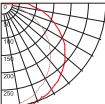


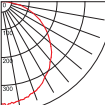
- Wide and deep light distribution for precise and generous illumination of areas
- Pleasant illumination at moderate luminance and directional light



Wall washing  
General lighting  
Accent and decorative lighting

## 9 covers – High quality PMMA optics for soft light curves

Round, high or flat covers in opal, diffuse and clear for various types of lighting: general lighting, accent and decorative lighting, contour lighting and cove lighting.

Article image	Pictogram	Light distribution curves	FW HM°Grad
			120° Clear cover, round
			100° Clear cover, high square
			80° Clear cover, flat
			100° Diffuse cover, round
			100° Diffuse cover, high square
			80° Diffuse cover, flat
			154° Opal cover, round
			140° Opal cover, high square
			120° Opal cover, flat

# LUNA

## Wall grazing application

### Luminaire details:

#### LUNA HYDRA HD36 W835/1010-B-10D-IP40

- HD36 - Output of 4,235 lm/m
- W835 - 3,500 K



### 10D - 10° Lens:

- Precise, deep light distribution for accurate illumination of areas
- Thorough illumination at high luminance and very directional light

### Application details:

Illuminated area = 1.4 sqm (15.1 sqft)

Diameter = 1.3 m (4.27')

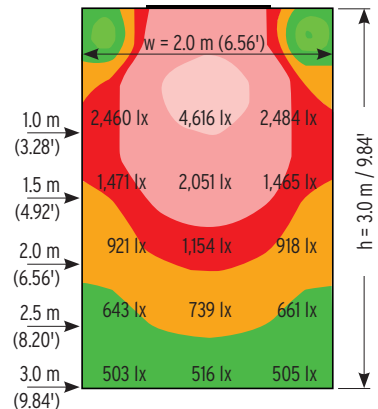
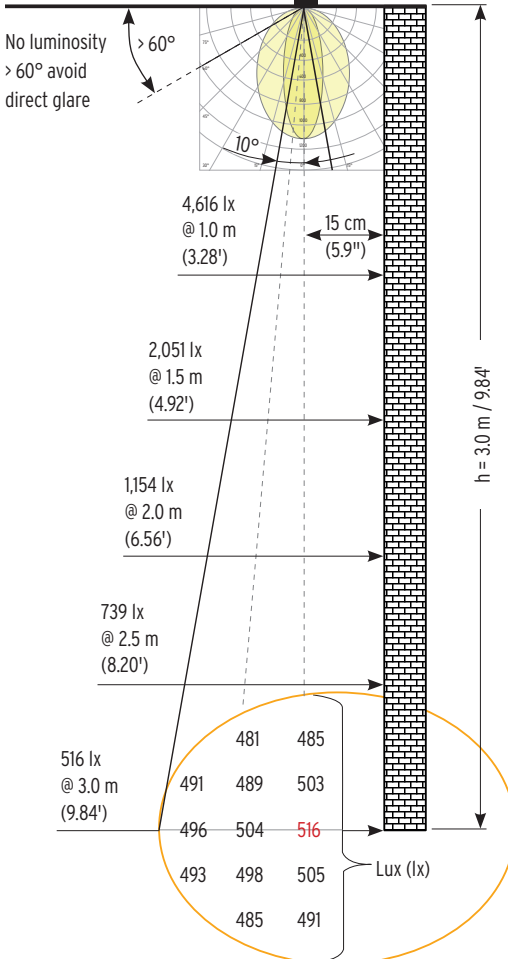
$E_{\text{average}}$  = 493 lx

$E_{\text{min}}$  = 481 lx

$E_{\text{max}}$  = 516 lx

Uniformity U = 0.75

### $E_{\text{max}}$ @ different light point heights





## Overview and Order Code



LUNA HYDRA White IP40

	Voltage (V)	CRI	Lumen/W (lm/W)	Watt/m (Watt/ft)	Lumen/m (Lumen/ft) <sup>1</sup>	max. length m (ft)
LUNA HYDRA SLD3 IP40	24	85	150	3 (0.91)	450 (137)	4 (13.1)
LUNA HYDRA LD5 IP40	24	95	132	5 (1.52)	660 (201)	4 (13.1)
LUNA HYDRA LD10 IP40	24	85	131	10 (3.05)	1,310 (399)	4 (13.1)
LUNA HYDRA LD15 IP 40	24	85	140	15 (4.56)	2,100 (640)	4 (13.1)
LUNA HYDRA LD25 IP40	24	85	137	25 (7.62)	3,420 (1,042)	3 (9.8)
LUNA HYDRA LD40IP40	24	85	103	40 (12.2)	4,130 (1,259)	2 (6.6)
LUNA HYDRA HD6 IP40	24	95	132	6 (1.82)	790 (240)	4 (13.1)
LUNA HYDRA HD10 IP40	24	95	131	10 (3.05)	1,310 (399)	4 (13.1)
LUNA HYDRA HD15 IP40	24	85	140	15 (4.56)	2,100 (640)	4 (13.1)
LUNA HYDRA HD25 IP40	24	85	137	25 (7.62)	3,420 (1,042)	3 (9.8)
LUNA HYDRA HD36 IP40	24	85	139	36 (10.97)	5,000 (1,524)	2 (6.6)

Your order code	LUNA HYDRA	_____	W_	__	_____	_	__	IP__
Order code example	LUNA HYDRA	HD15	W8	25	1010	5	DL	IP40

### LED tape

HYDRA SLD3	SLD3	HYDRA HD6	HD6
HYDRA LD5	LD5	HYDRA HD10	HD10
HYDRA LD10	LD10	HYDRA HD15	HD15
HYDRA LD15	LD15	HYDRA HD25	HD25
HYDRA LD25	LD25	HYDRA HD36	HD36
HYDRA LD40	LD40		

### Color rendering

> 80	8
> 90 (only LD5, HD6, HD10)	9

### Color temperature

2000 K	20	2200 K	22	2500 K	25
2700 K	27	3000 K	30	3500 K	35
4000 K	40	5000 K	50		

### Length (without trim)

HYDRA SLD3: L = N x 250 (9.84") + 10 mm (0.39"); N = 1...16
HYDRA LD: L = N x 125 (4.92") + 10 mm (0.39"); N = 1...32
HYDRA HD: L = N x 62.5 (2.46") + 10 mm (0.39"); N = 1...64

### Profile color

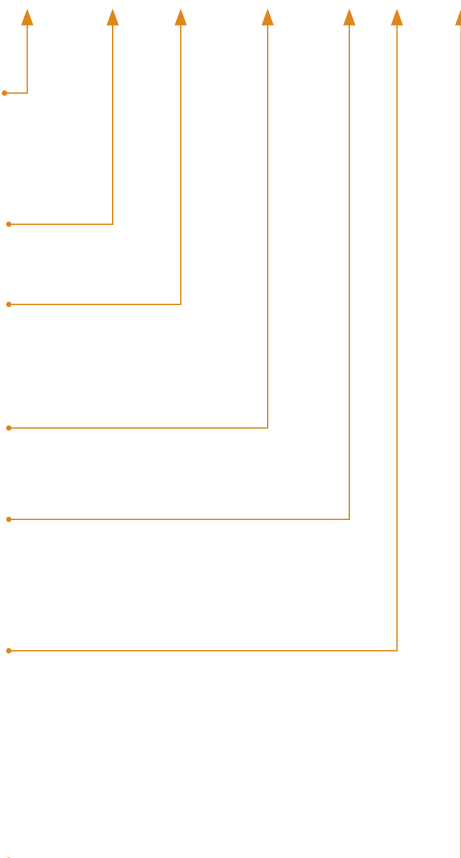
Silver	S
Black	B
White	W

### Cover / Lens options (DIN 5040:A60)

No cover/lens	NC	Opal low square cover	OL
10° Diffuse	10D	Diffuse low square cover	DL
30° Diffuse	30D	Clear low square cover	CL
60° Diffuse	60D	Opal high square cover	OH
Opal round cover	OR	Diffuse high square cover	DH
Diffuse round cover	DR	Clear high square cover	CH
Clear round cover	CR		

### Ingress protection

IP10 (without optic / cover)	IP10
IP40	IP40





## LUNA IQ White + RGB IP40

	Voltage (V)	CRI	Lumen/W (lm/W)	Watt/m (Watt/ft)	Lumen/m (Lumen/ft) <sup>1</sup>	max. length m (ft)
LUNA IQ White Hydra LD25 IP40	24	85	114	25 (7.6)	2,850 (869)	3 (9.8)
LUNA IQ White ATON HD12 IP40	24	85	82	12 (3.6)	980 (299)	4 (13.1)
LUNA IQ White ATON HD24 IP40	24	85	84	24 (7.3)	2,020 (616)	4 (13.1)
LUNA IQ White ATON HD42 IP40			85	42 (12.8)	3,590 (1,095)	2 (6.6)
LUNA RGB LD15 IP40	24	-	43	15 (4.6)	638 (195)	4 (13.1)
LUNA RGB HD20 IP40	24	-	48	20 (6.1)	965 (294)	4 (13.1)

Your order code	LUNA	---	---	---	---	IP---
Order code example	LUNA	IQ W ATON HD12	1010	B	DL	IP40

### LED tape

IQ White HYDRA LD25 .....	IQ W HYD LD25
IQ White ATON HD12 .....	IQ W ATON HD12
IQ White ATON HD24 .....	IQ W ATON HD24
IQ White ATON HD42 .....	IQ W ATON HD42
RGB LD15 .....	RGB LD15
RGB HD20 .....	RGB HD20

### Length

IQ White HYDRA LD25: L = (N x 250 mm (9.84") + 10 mm (0.39")); N = 1... 12

IQ White ATON HD: L = (N x 62.5 mm (2.46") + 10 mm (0.39")); N = 1... 64

RGB LD15: L = (N x 125 mm (4.92") + 10 mm (0.39")); N = 1... 32

RGB HD20: L = (N x 62.5 mm (2.46") + 10 mm (0.39")); N = 1... 64

### Profile color

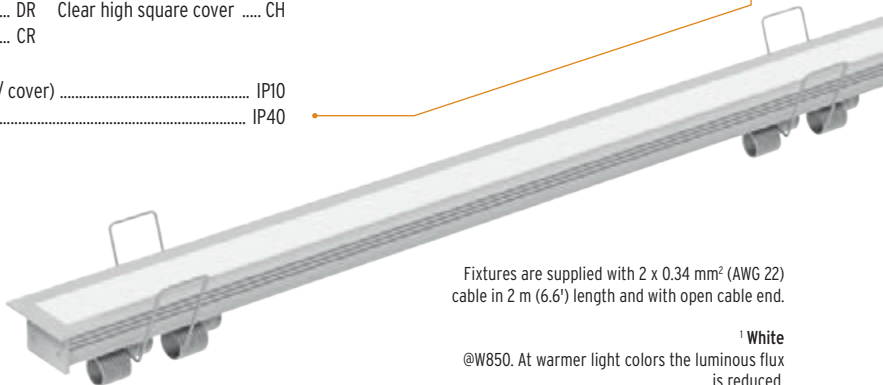
Silver .....	S
Black .....	B
White .....	W

### Cover / Lens options (DIN 5040:A60)

No cover/lens .....	NC	Opal low square cover .....	OL
10° Diffuse .....	10D	Diffuse low square cover .....	DL
30° Diffuse .....	30D	Clear low square cover .....	CL
60° Diffuse .....	60D	Opal high square cover .....	OH
Opal round cover .....	OR	Diffuse high square cover .....	DH
Diffuse round co .....	DR	Clear high square cover .....	CH
Clear round cover .....	CR		

### Ingress protection

IP10 (without optic / cover) .....	IP10
IP40 .....	IP40



Fixtures are supplied with 2 x 0.34 mm<sup>2</sup> (AWG 22) cable in 2 m (6.6') length and with open cable end.

<sup>1</sup> White

@W850. At warmer light colors the luminous flux is reduced.

<sup>1</sup> IQ White / RGB

When all channels / colors are at full power. Using single channels / colors reduces the luminous flux.





**LED Linear<sup>TM</sup> GmbH**

Pascalstraße 9

47506 Neukirchen-Vluyn

Germany

Phone +49 2845 98462-0

Fax +49 2845 98462-120

Germany@led-linear.com

[www.led-linear.com](http://www.led-linear.com)