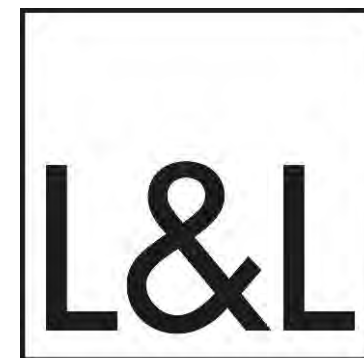




L u c e & L i g h t

# Light Experience 2023



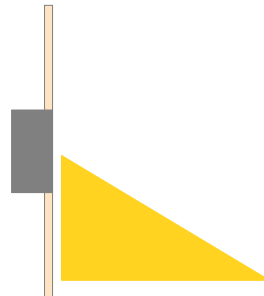
L u c e & L i g h t



Naka  
step lights //  
outdoor applications

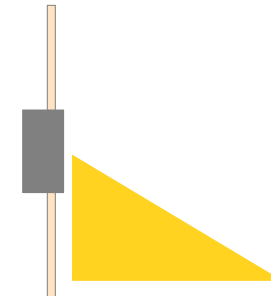
# Naka 1 step lights // outdoor applications

Asymmetrical light for widely spaced fixtures on steps and pathways



**Naka 1.0**  
max 2W / max 700mA

**flush installation,  
with outer casing**



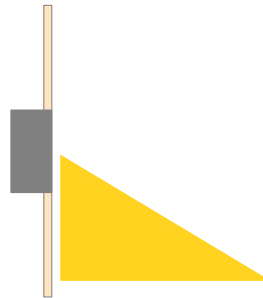
**Naka 1.1**  
2W / 24Vdc

**rebated installation,  
with fixing springs**

# Naka 2

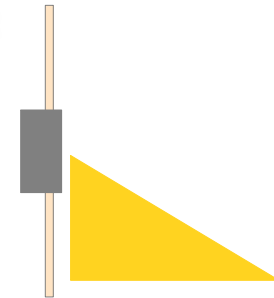
step lights // outdoor applications

Asymmetrical light for widely spaced fixtures on steps and pathways



■ **Naka 2.0**  
max 2W max 700mA  
3W 230Vac

**flush installation,  
with outer casing**



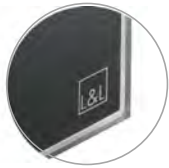
■ **Naka 2.1**  
max 2W max 700mA  
3W 230Vac

**rebated installation,  
with fixing springs**

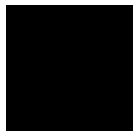
# Naka // Unique Selling Proposition



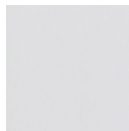
**flush installation** (with outer casing)  
**rebed installation**, with fixing springs



The cover is made entirely of glass with serigraphy



Black



White



The LED source recessed into the body of the fixture guarantees excellent visual comfort



The spread of Naka 2's asymmetrical beam means the fixtures can be spaced further apart



kit for **standard box 503** (Naka 2);  
kit for **20-mm-thick plasterboard**



# Naka // Materials

body made of low-copper-content **die-cast aluminium alloy EN AB 47100** for **excellent corrosion resistance**, painted black

IP66

4-mm-thick transparent extra-clear glass, with high transmittance to ensure chromatic uniformity and tempered for excellent resistance to knocks and scratches

and **black / white vitrified serigraphy**

IK07



# Naka // Technical Data

**Optics:** asymmetrical

**LED Colour:** 2700K / 3000K / 4000K

**CRI >90**

**Lumen output at source:**

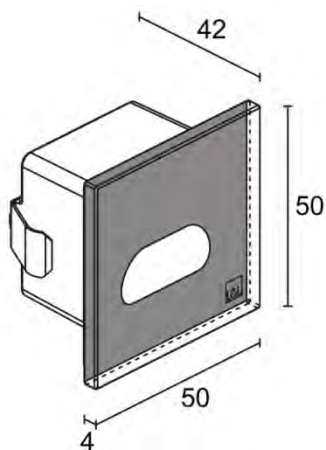
Naka 1.0 / 1.1: 220 lm

Naka 2.0 / 2.1: 220 lm

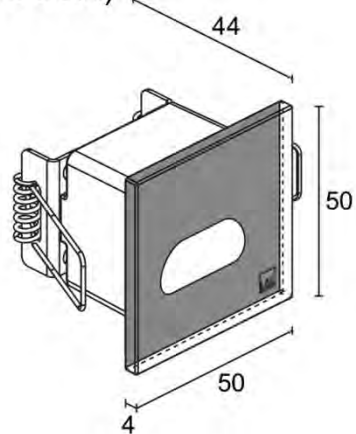
**Delivered lumen output**

Naka 1.0 / 1.1: 32 lm (3000K)

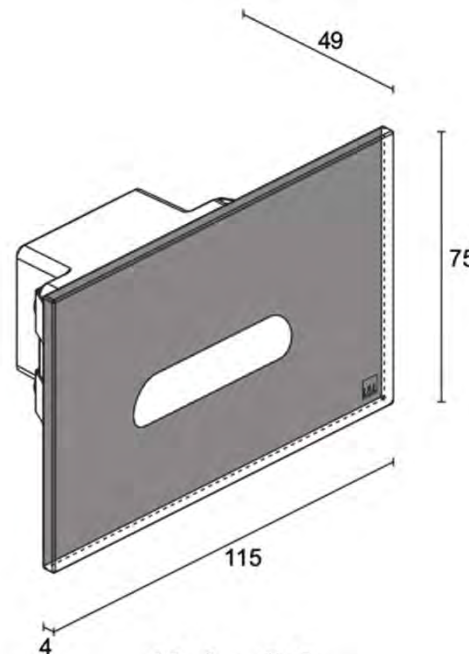
Naka 2.0 / 2.1: 46 lm (3000K)



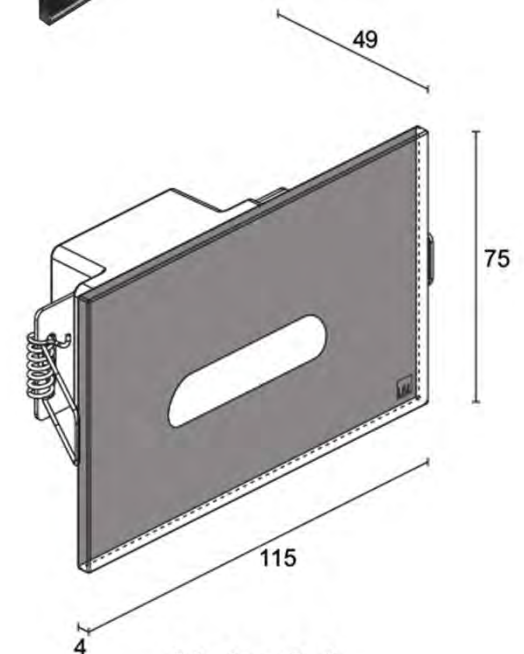
**Naka 1.0**



**Naka 1.1**



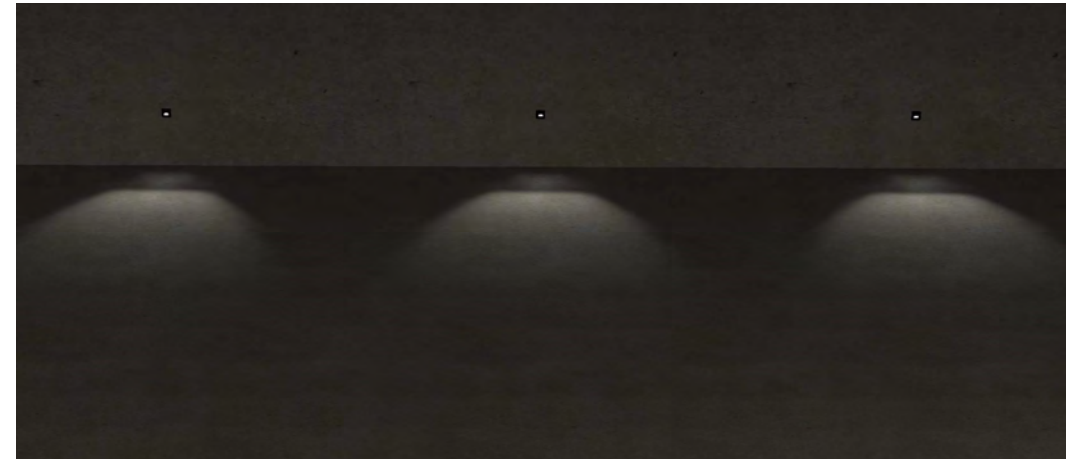
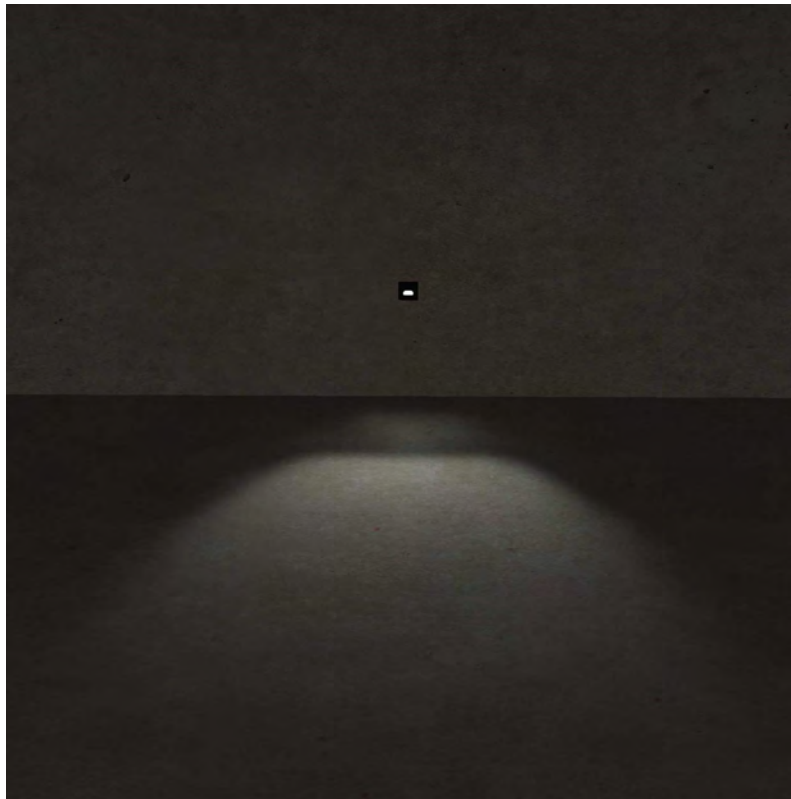
**Naka 2.0**



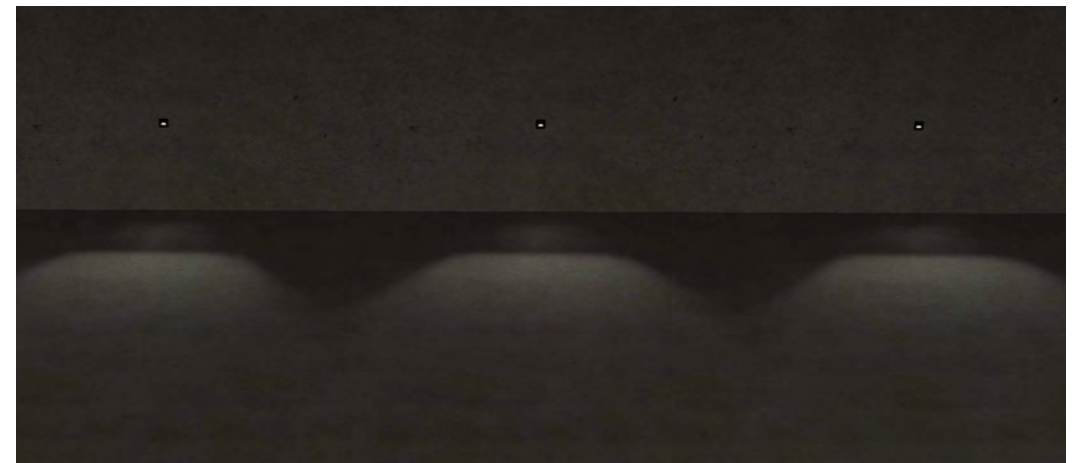
**Naka 2.1**



# Naka 1 // Asymmetrical optics

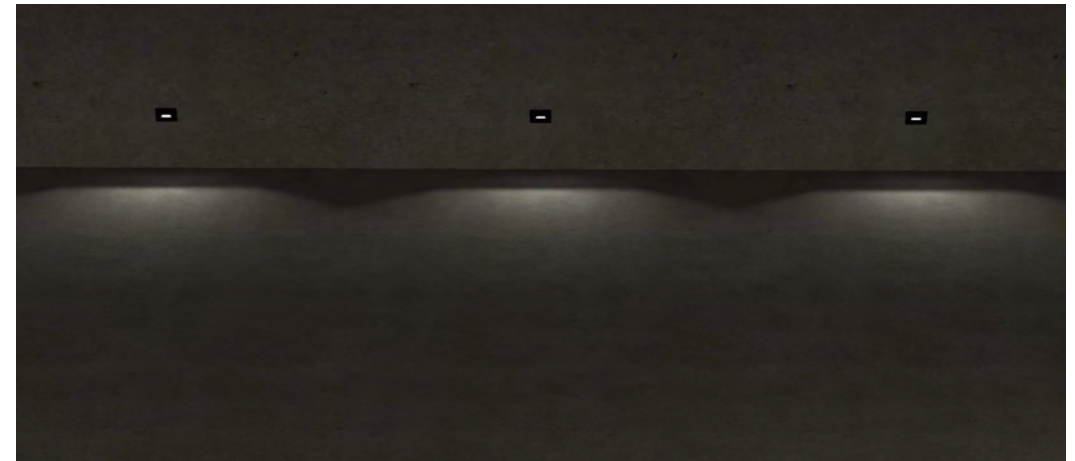
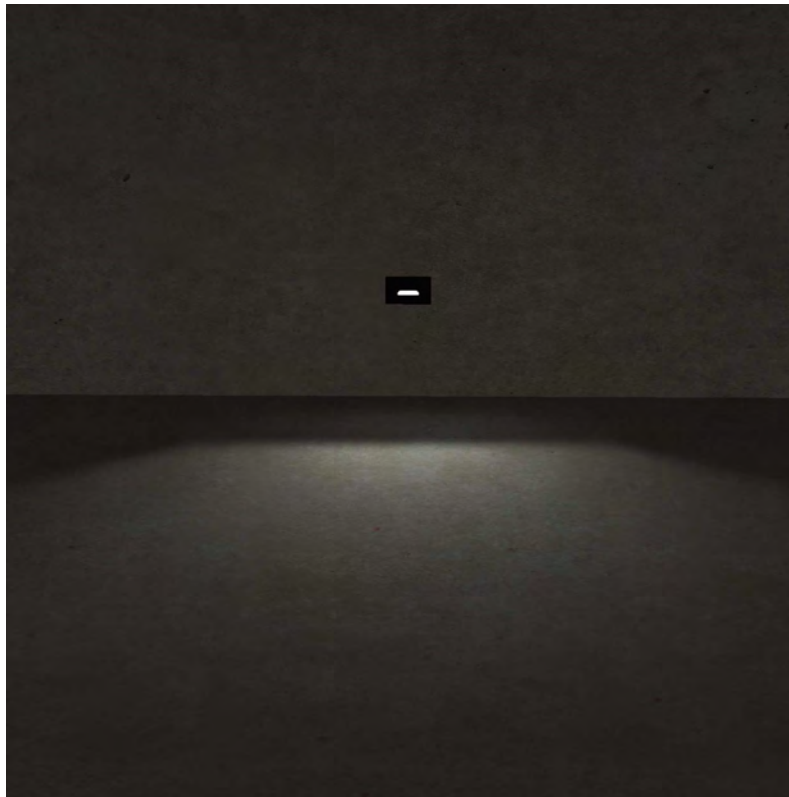


Installation height: 30 cm / distance between fixtures: 200 cm

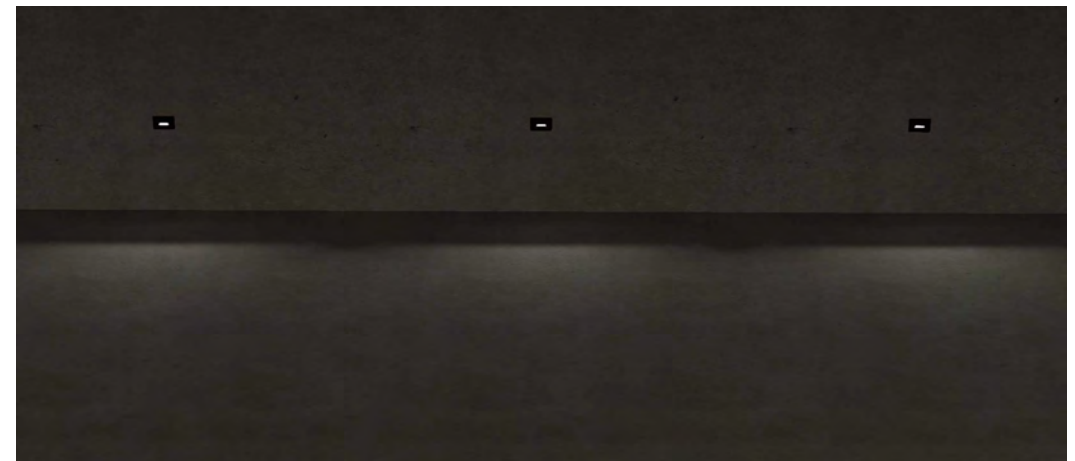


Installation height: 50 cm / distance between fixtures: 200 cm

# Naka 2 // Ottica asymmetrical

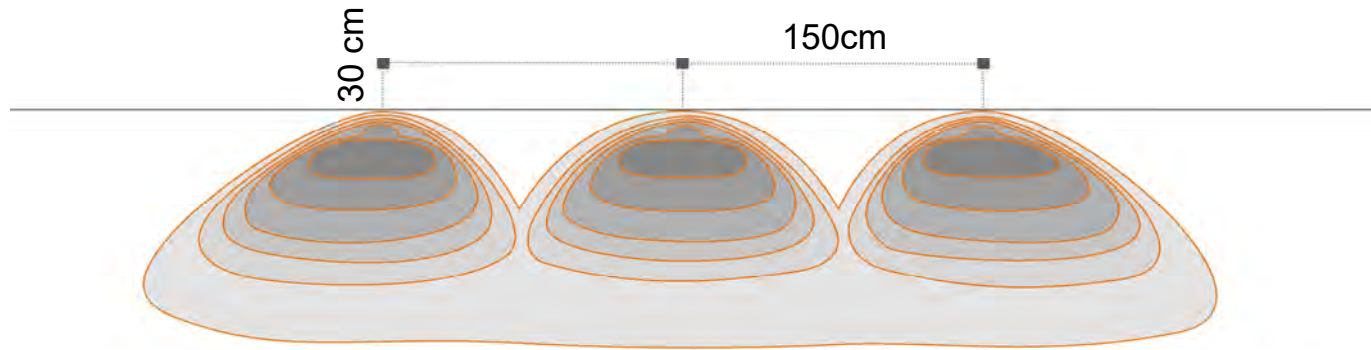


Installation height: 30 cm / distance between fixtures: 200 cm

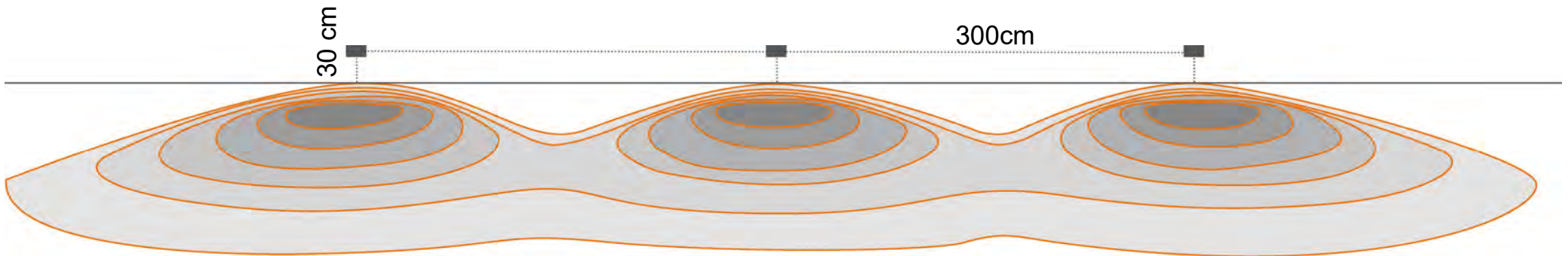


Installation height: 50 cm / distance between fixtures: 200 cm

# Naka // Positioning diagrams

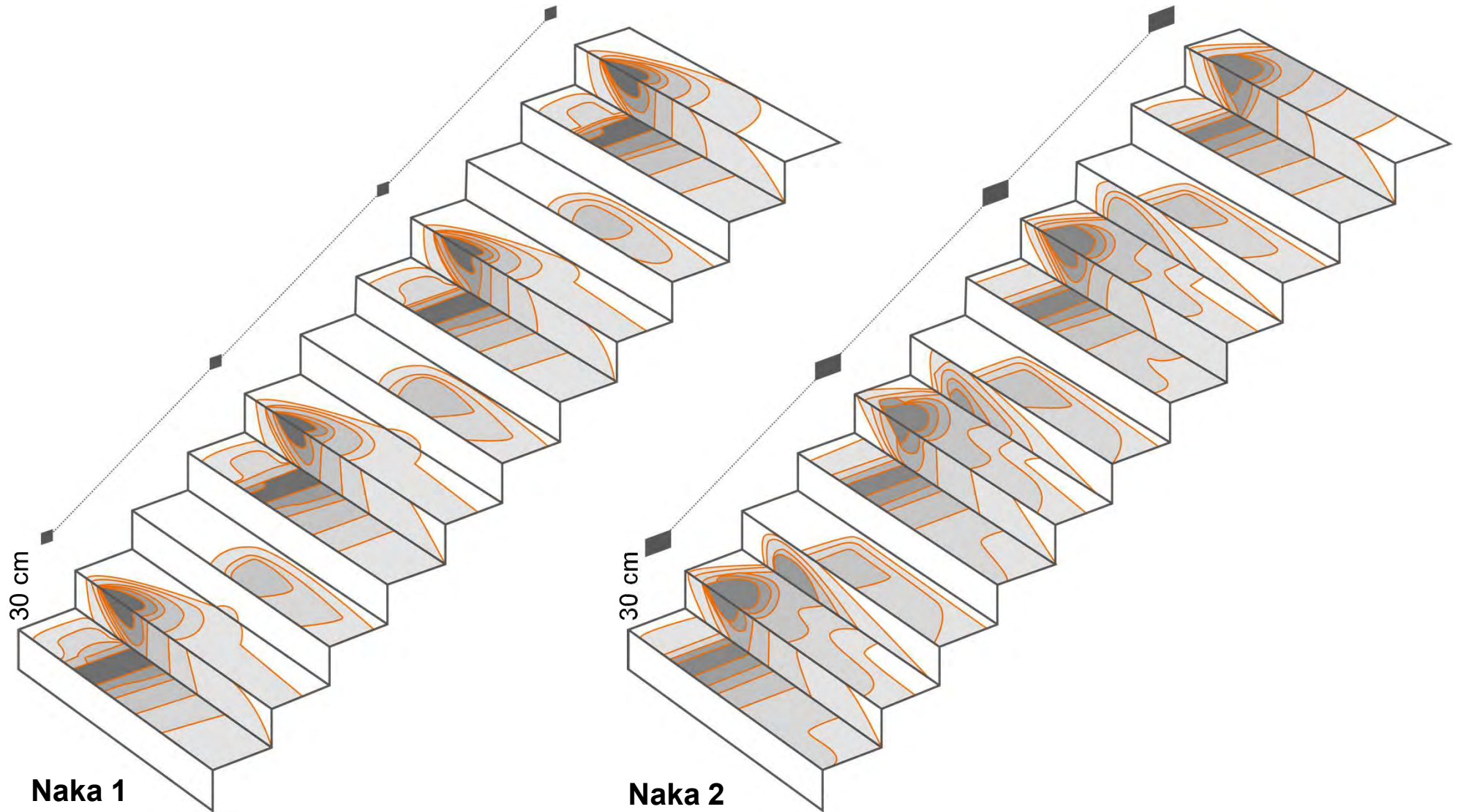


**Naka 1**

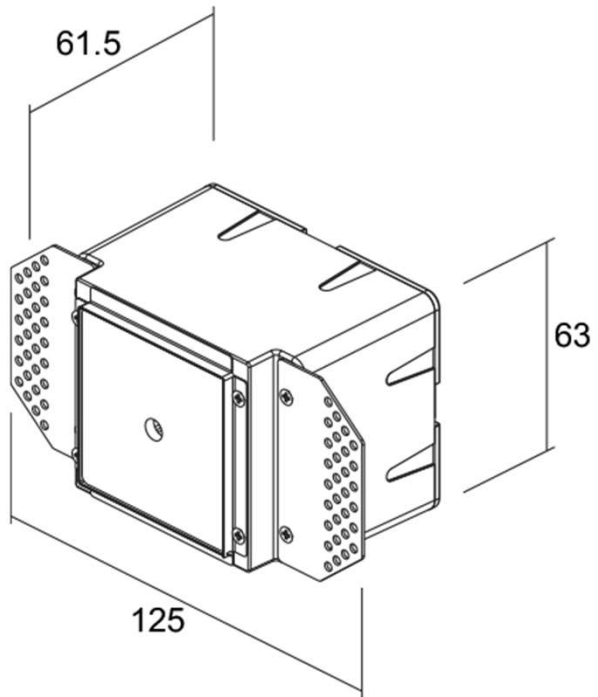


**Naka 2**

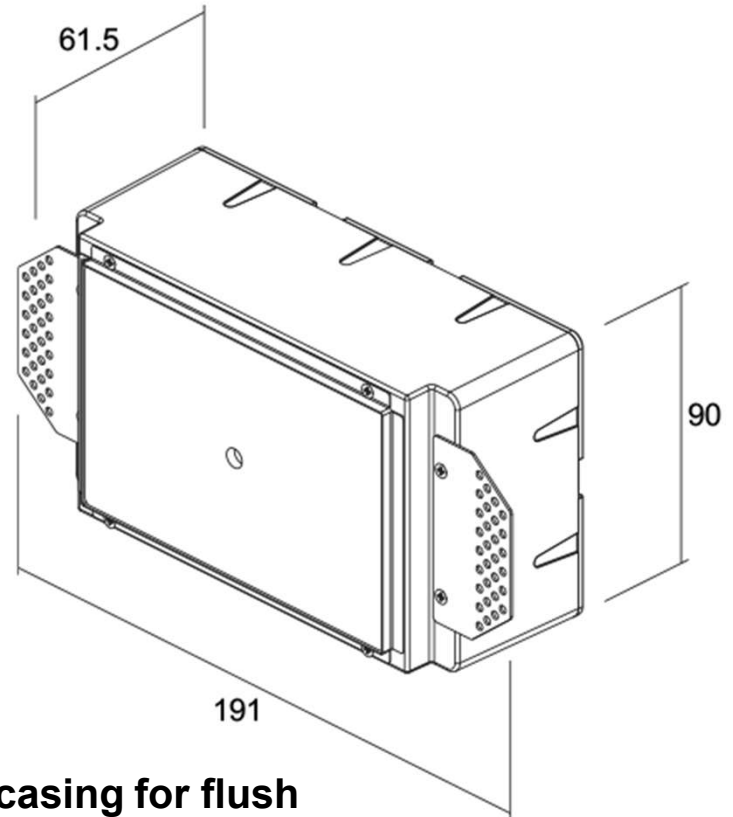
# Naka // Positioning examples



# Naka // Accessories for installation

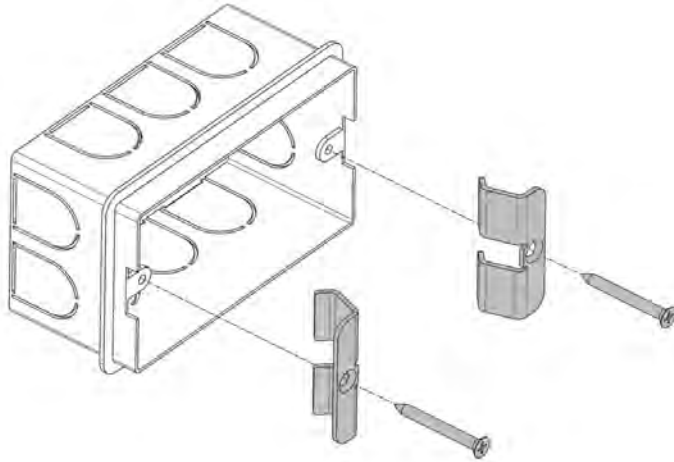


**Outer casing for flush  
installation  
Naka 1.0**

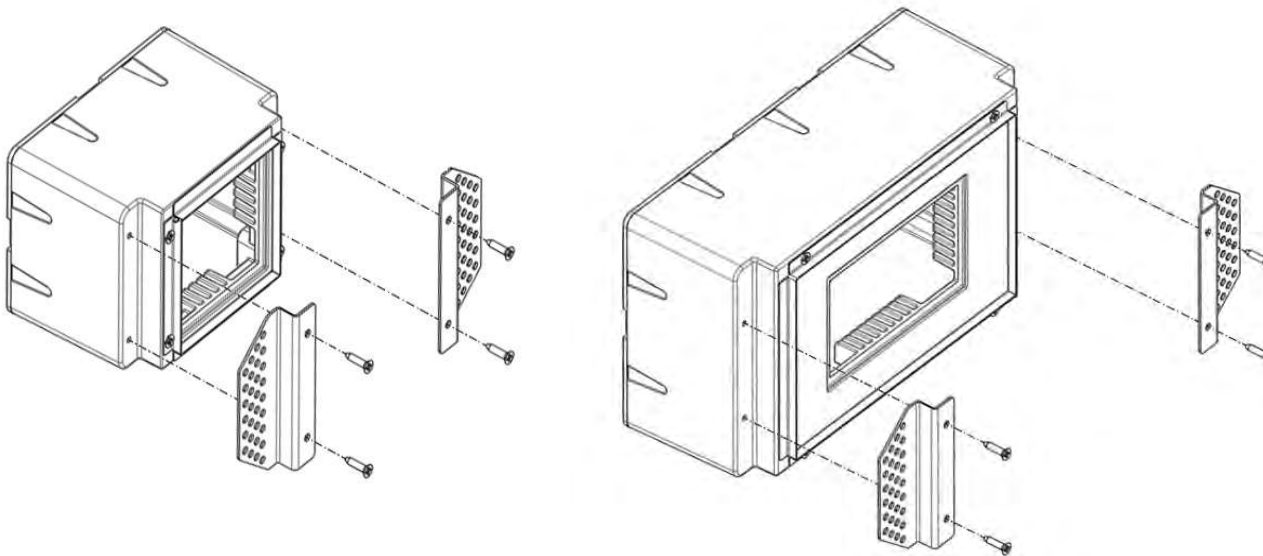


**Outer casing for flush  
installation  
Naka 2.0**

# Naka // Accessories for installation



**Kit for standard box 503  
(Naka 2)**



**Kit for 20-mm-thick  
plasterboard**



Naka 1.0, 3000K, 2W, asymmetrical, white



Naka 2.0, 3000K, 2W, asymmetrical, black



Naka 2.0, 3000K, 2W, asymmetrical, black  
/ L&L Stand - Euroluce 2023, Milan, Italy.  
Project by Behubble, photo by Alessio  
Tamborini





**Metope**   
Wall mounted //  
outdoor applications

# Metope 1

wall mounted // outdoor applications

Single- and double-beam facade lighting for hospitality and private homes



 **Metope 1.1**  
3W / 24Vdc



 **Metope 1.2**  
6W / 24Vdc

# Metope 2

wall mounted // outdoor applications

Single- and double-beam facade lighting for hospitality and private homes



**Metope 2.1**  
7W 24Vdc  
9W 110-230Vac



**Metope 2.2**  
13W 24Vdc  
16W 230Vac

# Metope 3

wall mounted // outdoor applications

Single- and double-beam facade lighting for hospitality and private homes



**Metope 3.1**  
10W 24Vdc  
12W 110-230Vac

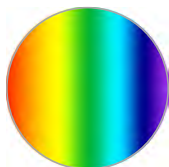


**Metope 3.2**  
19W 24Vdc  
21W 110-230Vac

# Metope // LED sources and power supply



2200K / 2700K / 3000K / 4000K



CRI > 90

110-  
230Vac

Built-in power supply unit

24Vdc

Dimmable

DALI-2

Metope 3.1 e 3.2



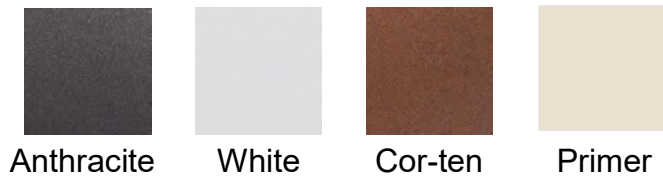
# Metope // Minimalist look



Pared-down design



Available in the same finishes as the lighting fixture



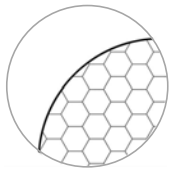
RAL finish on request



# Metope // Materials



Recessed optics



Honeycomb louvre



**IP65**

Ingress protection



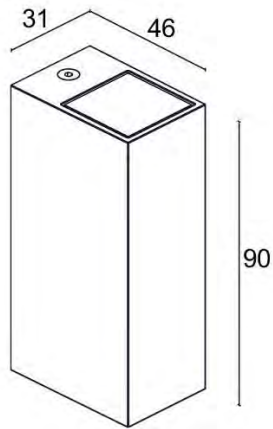
**IK05**

Body in die-cast aluminium  
Tempered extra-clear glass

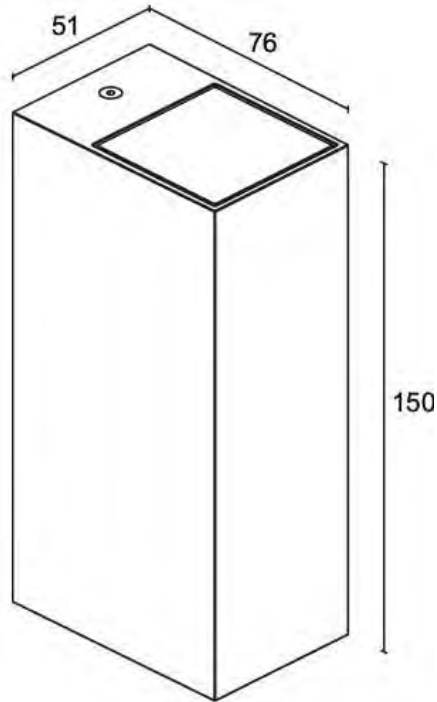




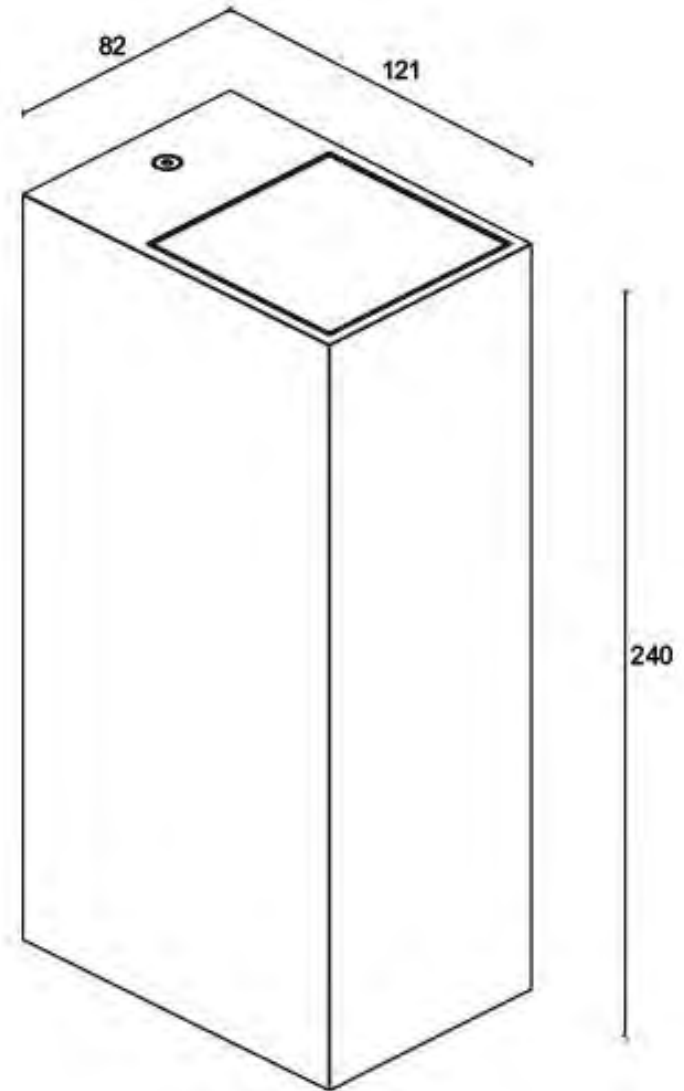
# Metope // Technical data



**Metope 1**



**Metope 2**



**Metope 3**

# Metope 1.1 // Optics



17°



22°



36°

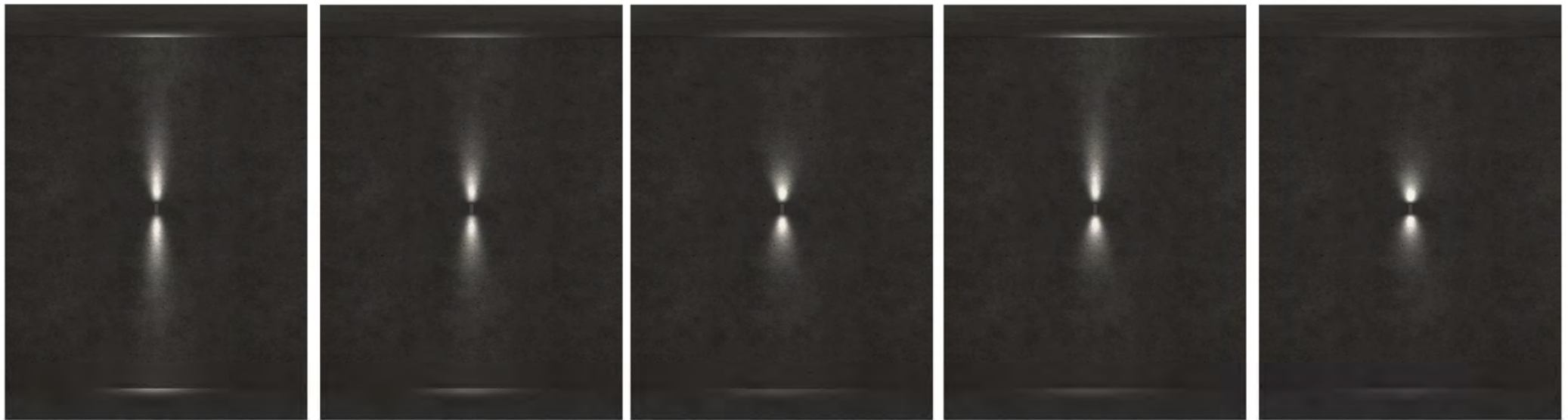


diffuse

**Lumen output at source** // up to 230 lm

**Delivered lumen output** // up to 153 lm

# Metope 1.2 // Optics



17°+17°

22°+22°

36°+36°

17°+36°

diffuse+diffuse

**Lumen output at source** // up to 460 lm

**Delivered lumen output** // up to 306 lm

# Metope 2.1 // Optics



21°



26°



36°



52°

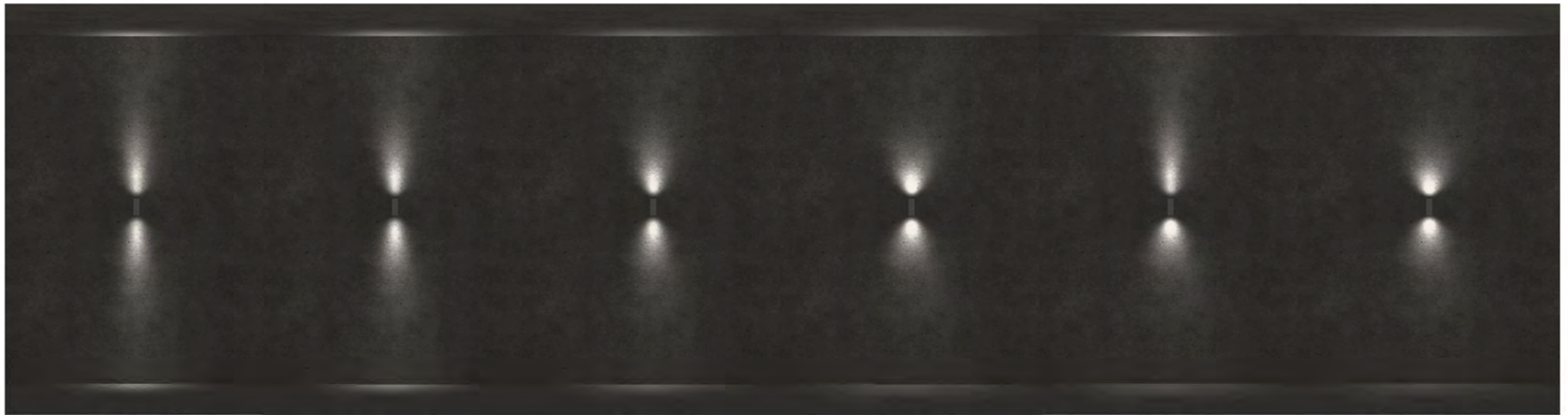


diffuse

**Lumen output at source // up to 795 lm**

**Delivered lumen output // up to 501 lm**

# Metope 2.2 // Optics



21°+21°

26°+26°

36°+36°

52°+52°

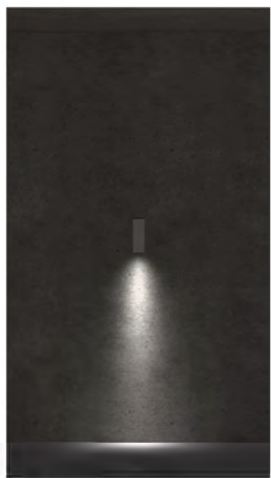
21°+52°

diffuse+diffuse

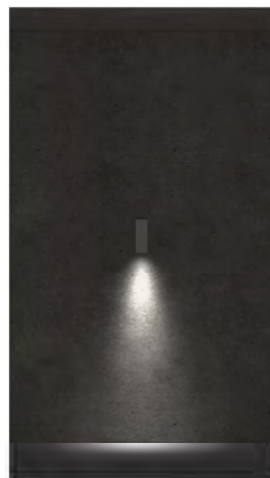
**Lumen output at source** // up to 1590 lm

**Delivered lumen output** // up to 1002 lm

# Metope 3.1 // Optics



16°



26°



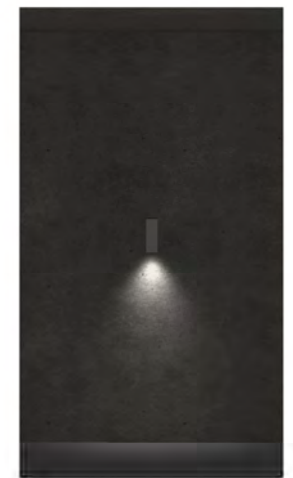
37°



54°



asymmetrical

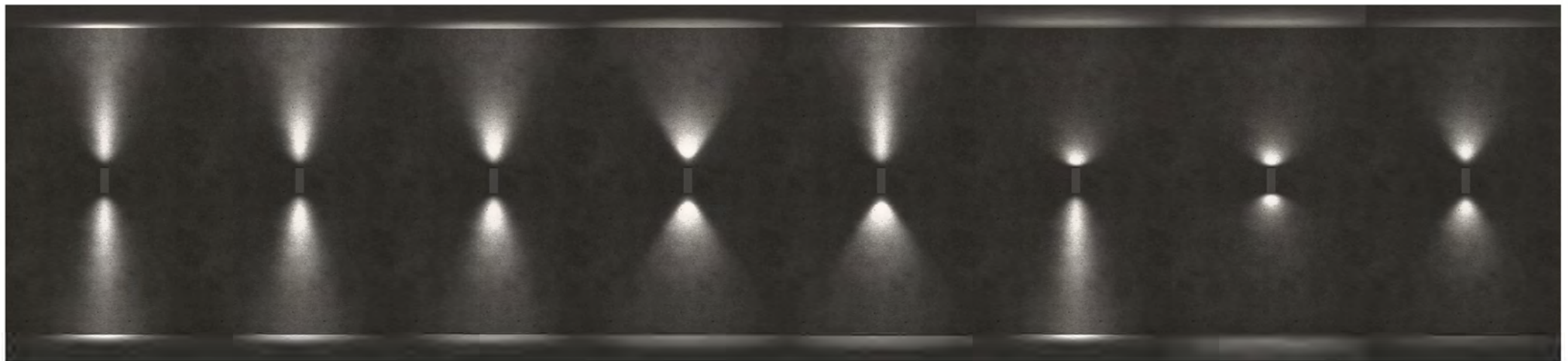


diffuse

**Lumen output at source** // up to 1100 lm

**Delivered lumen output** // up to 761 lm

# Metope 3.2 // Optics



16°+16°

26°+26°

37°+37°

54°+54°

16°+54°

asymmetrical+16°

asymmetrical+  
asymmetrical

diffuse+diffuse

Lumen output at source // up to 2200 lm

Delivered lumen output // up to 1522 lm







**Krill Track**  
projectors // indoor  
applications



# Krill Track 1 projectors // indoor applications

Track lighting for display cases and alcoves in museums and retail contexts



■ **Krill Track 1.0**  
2W 24-48Vdc

■ **Krill Track 1.4**  
2W 24-48Vdc

# Krill Track 2 projectors // indoor applications

Track lighting for display cases and alcoves in museums and retail contexts



■ **Krill Track 2.0**  
4W 24-48Vdc

■ **Krill Track 2.4**  
4W 24-48Vdc

# Krill Track 3 projectors // indoor applications

Track lighting for display cases and alcoves in museums and retail contexts



■ **Krill Track 3.0**  
5,5W 24-48Vdc

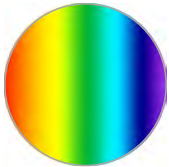


■ **Krill Track 3.4**  
5,5W 24-48Vdc

# Krill Track // LED sources and power supply



2700K / 3000K / 4000K



CRI > 90



24Vdc  
48Vdc

ON/OFF



DALI-2

Dimmable



# Krill Track // Aesthetic characteristics



Clean lines and compact dimensions



Snout



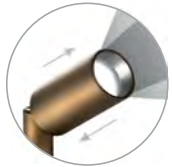
RAL finish on request



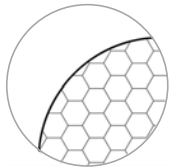
# Krill Track // Construction characteristics



Body diameter 18mm / 25mm / 30mm



Version with manual zoom lens



Honeycomb louvre (available for fixed optics only)



Body in anticorodal aluminium



Joint in brass



# Krill Track // Track characteristics



Recessed and surface-mounted versions  
L=1m / 2m



Visible or concealed power supply



Horizontal, vertical, flexible connectors



Black finish, white finish on request





# Krill Track // Track characteristics



End cap



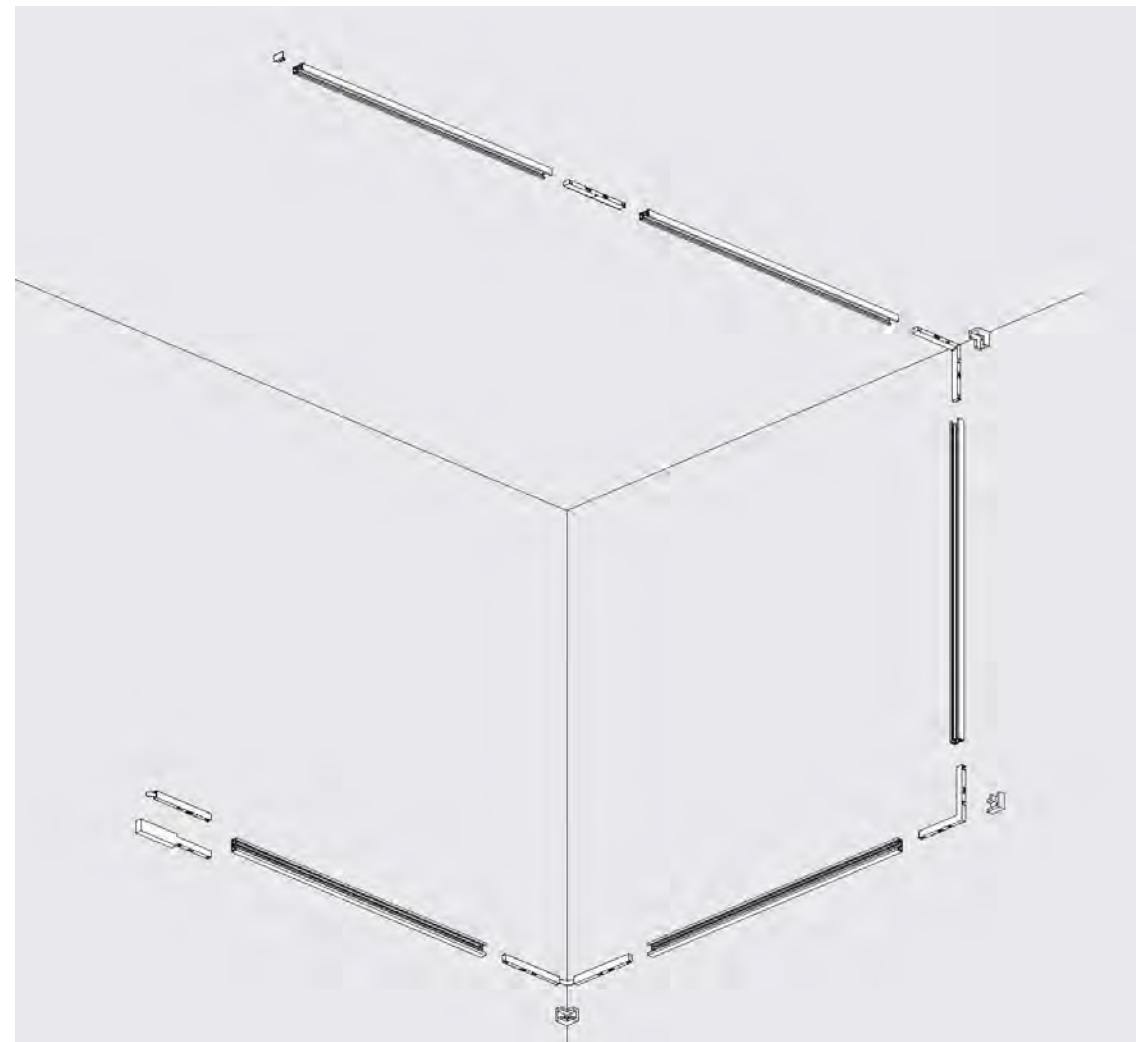
Straight connector



Power supply end cap



Flexible connector

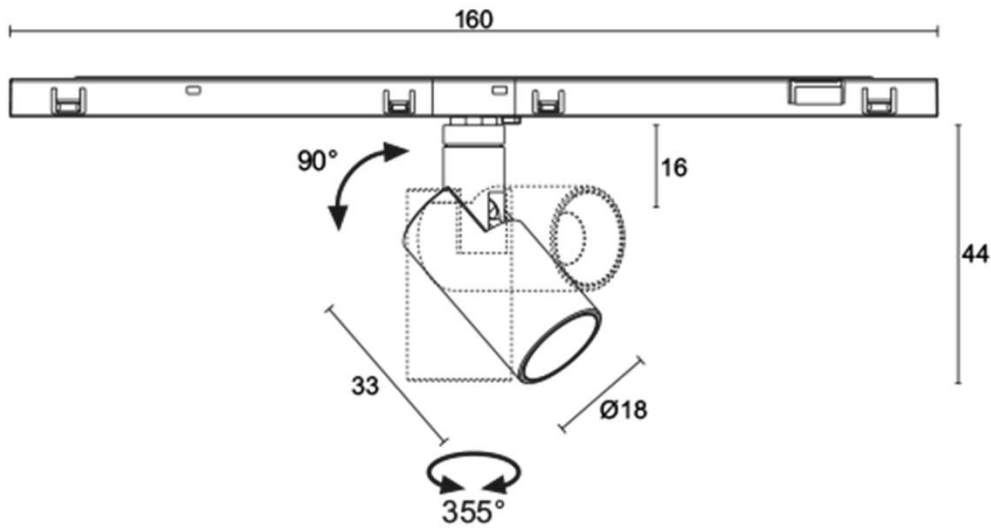


Vertical connector

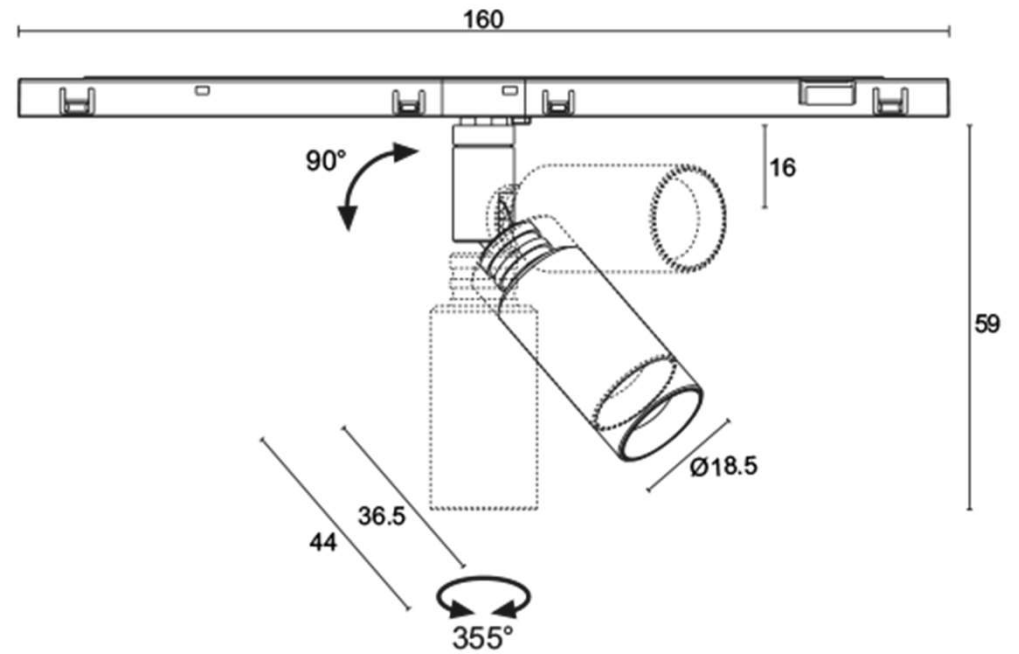


Horizontal connector

# Krill Track // Dimensions

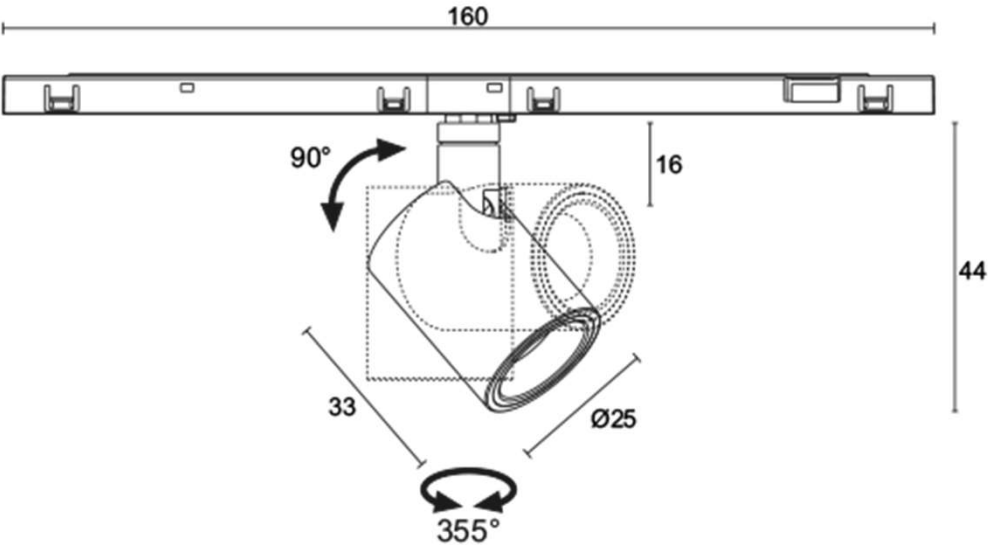


**Krill Track 1.0**

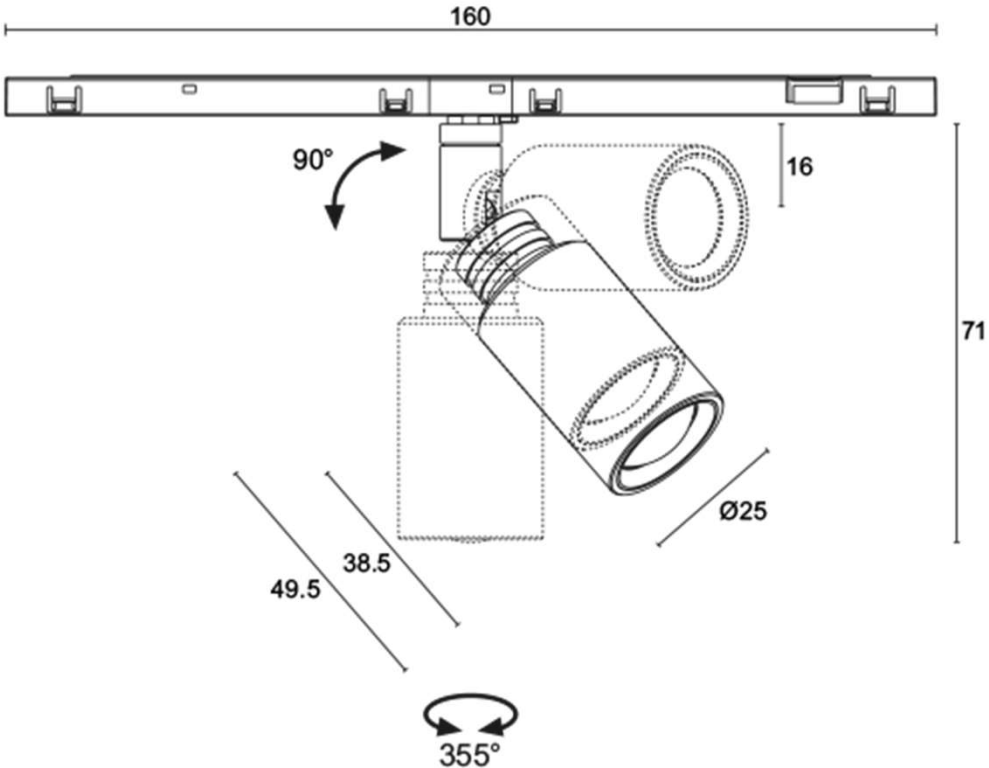


**Krill Track 1.4**

# Krill Track // Dimensions

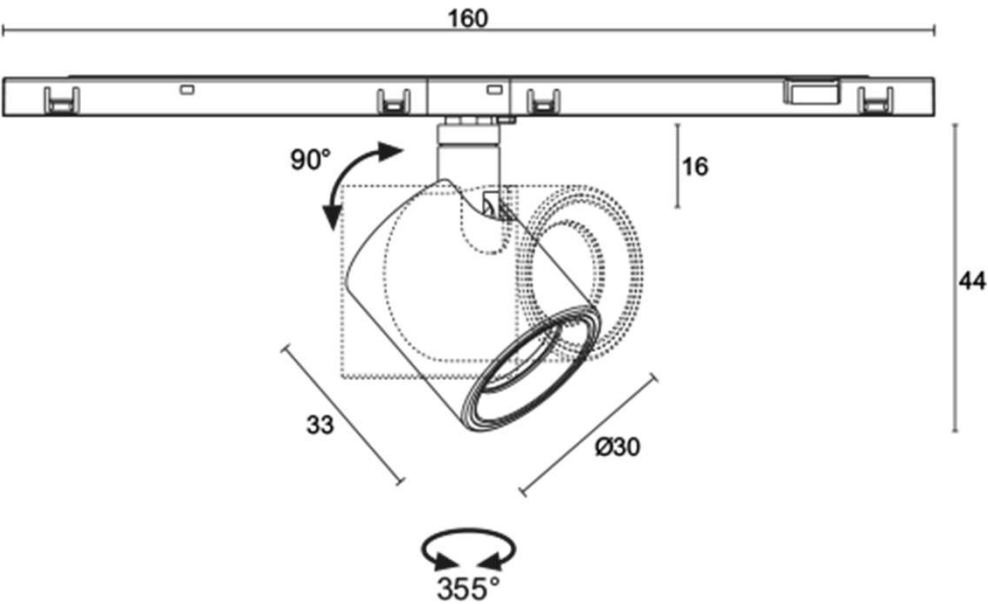


**Krill Track 2.0**

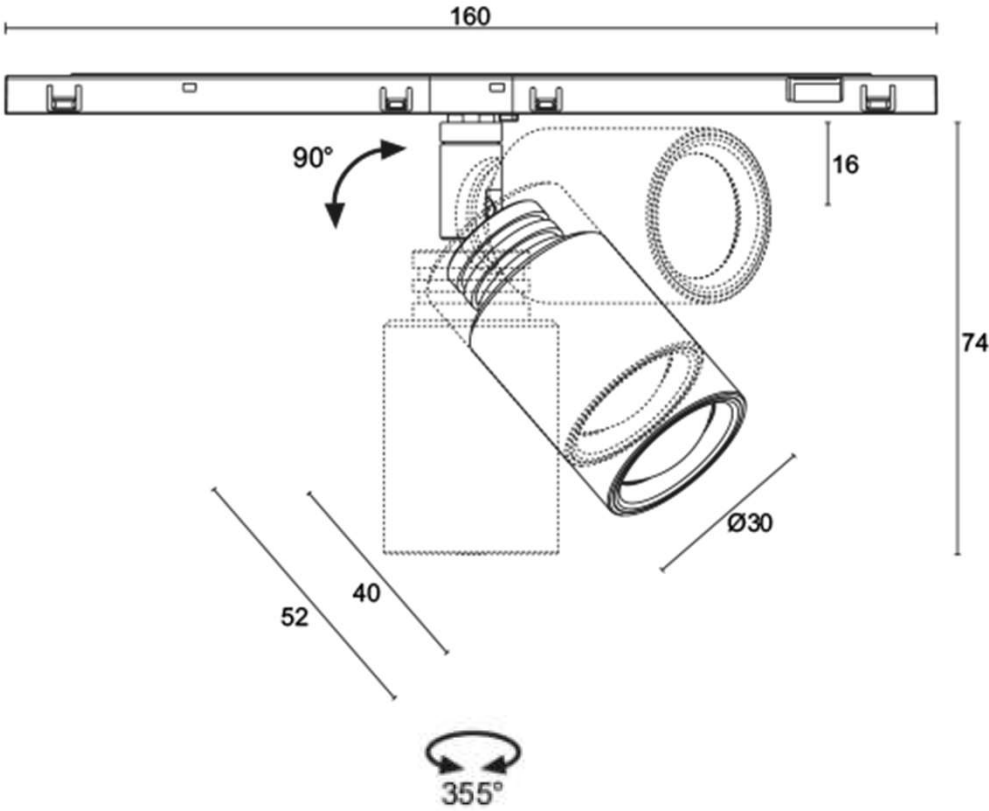


**Krill Track 2.4**

# Krill Track // Dimensions



**Krill Track 3.0**



**Krill Track 3.4**

# Krill Track // Optics

## Krill Track 1.0



23°

36°

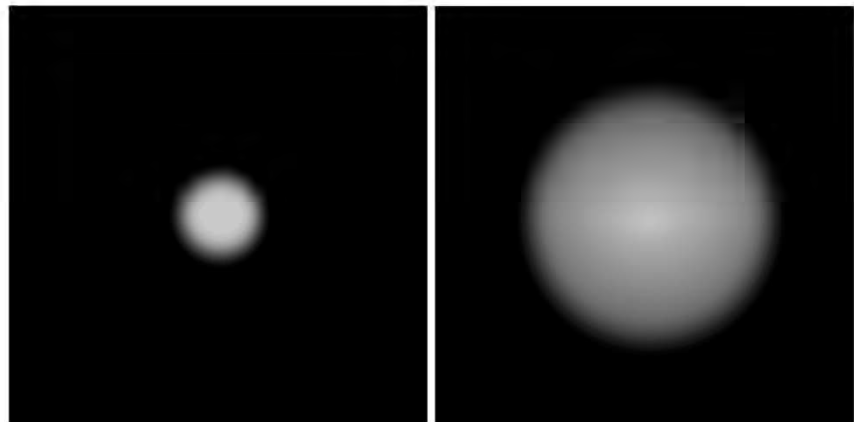
48°

26°x40°

40°x26°

**Lumen output at source // up to 105 lm**  
**Delivered lumen output // up to 51 lm**

## Krill Track 1.4



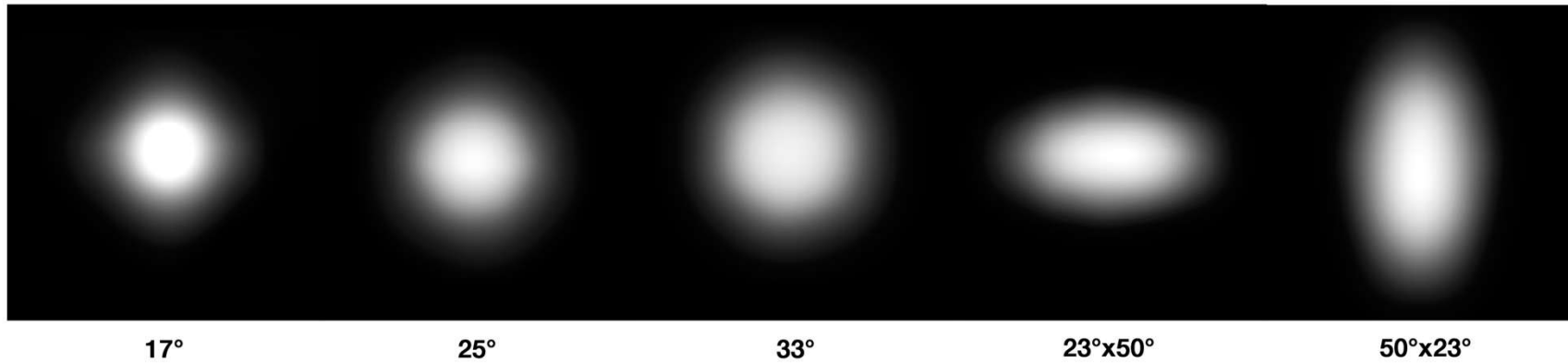
22°

64°

**Lumen output at source // up to 105 lm**  
**Delivered lumen output // up to 60 lm**

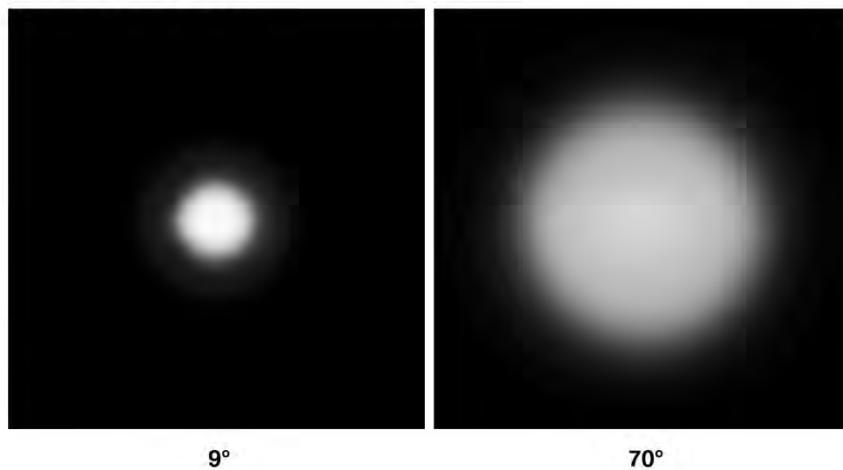
# Krill Track // Optics

## Krill Track 2.0



Lumen output at source // up to 202 lm  
Delivered lumen output // up to 150 lm

## Krill Track 2.4



Lumen output at source // up to 202 lm  
Delivered lumen output // up to 176 lm

# Krill Track // Optics

## Krill Track 3.0



16°

23°

33°

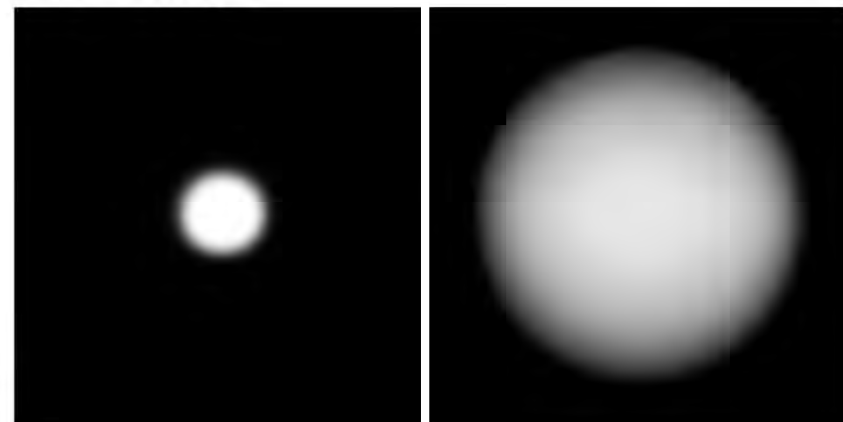
42°

21°x50°

50°x21°

Lumen output at source // up to 202 lm  
Delivered lumen output // up to 150 lm

## Krill Track 3.4



18°

80°

Lumen output at source // up to 202 lm  
Delivered lumen output // up to 176 lm







# Colorado

Linear profiles // outdoor



# Colorado

Linear profiles // outdoor



rebrated  
installation,  
with frame

■ **Colorado 1.0**  
41W / 230Vac  
679 mm

■ **Colorado 1.1**  
62W / 230Vac  
979 mm

■ **Colorado 1.2**  
83W / 230Vac  
1279 mm

---



flush  
installation,  
without  
frame

■ **Colorado 2.0**  
41W / 230Vac  
632 mm

■ **Colorado 2.1**  
62W / 230Vac  
932 mm

■ **Colorado 2.2**  
83W / 230Vac  
1232 mm

---



surface  
mounted,  
with brackets

■ **Colorado 3.0**  
41W / 230Vac  
625 mm

■ **Colorado 3.1**  
62W / 230Vac  
925 mm



■ **Colorado 3.2**  
83W / 230Vac  
1225 mm

# Colorado



Linear profiles // outdoor



rebrated  
installation,  
with frame


 **Colorado 4.0**  
 43W / 230Vac  
679 mm



 **Colorado 4.1**  
 64W / 230Vac  
979 mm



 **Colorado 4.2**  
 85W / 230Vac  
1279 mm



flush  
installation,  
without  
frame


 **Colorado 5.0**  
 43W / 230Vac  
632 mm



 **Colorado 5.1**  
 64W / 230Vac  
932 mm



 **Colorado 5.2**  
 85W / 230Vac  
1232 mm



surface  
mounted,  
with brackets

 **Colorado 6.0**  
 43W / 230Vac  
625 mm

 **Colorado 6.1**  
 64W / 230Vac  
925 mm

 **Colorado 6.2**  
 85W / 230Vac  
1225 mm

# Colorado

Linear profiles // outdoor



rebrated  
installation,  
with frame

**Colorado 7.0**  
43W / 230Vac  
679 mm

**Colorado 7.1**  
64W / 230Vac  
979 mm

**Colorado 7.2**  
85W / 230Vac  
1279 mm



flush  
installation,  
without  
frame

**Colorado 8.0**  
43W / 230Vac  
632 mm

**Colorado 8.1**  
64W / 230Vac  
932 mm

**Colorado 8.2**  
85W / 230Vac  
1232 mm



surface  
mounted,  
with brackets

**Colorado 9.0**  
43W / 230Vac  
625 mm

**Colorado 9.1**  
64W / 230Vac  
925 mm

**Colorado 9.2**  
85W / 230Vac  
1225 mm

# Colorado // Unique Selling Points



2200K LED colour



RGBW → Lighting controlled using the **DMX512+RDM** protocol



Tunable White: 2200K ÷ 5000K →  
Lighting controlled using the **DMX512+RDM** protocol



# Colorado // Unique Selling Points



Recessed optics guarantee visual comfort



The honeycomb louvre or anti-glare shield is mounted on the optical unit  
In the recessed versions the anti-glare accessories tilt together with the optics



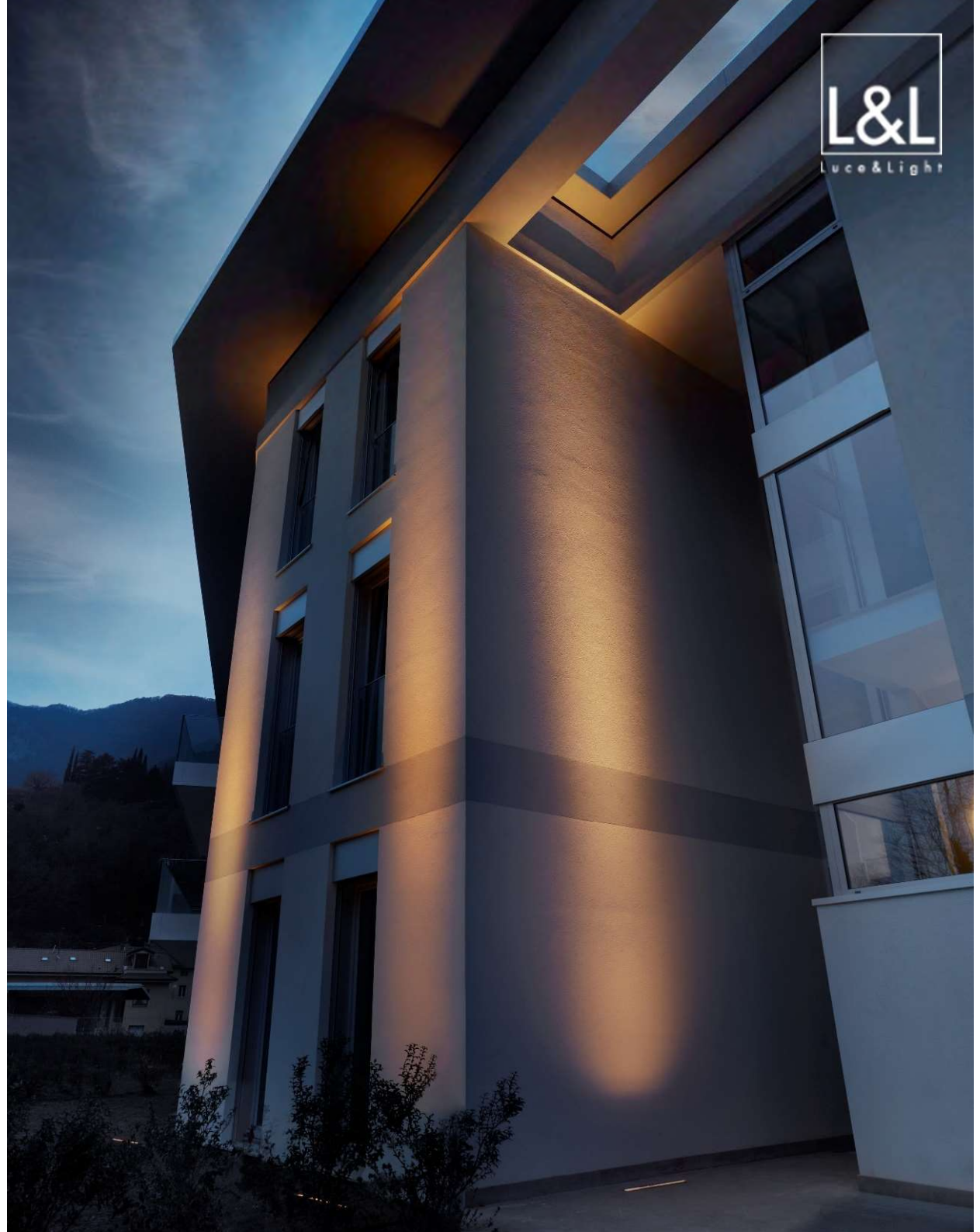
Tilting system inside the optical unit  
The light direction can be altered by  $\pm 20^\circ$  externally



# Colorado

## ■ Lighting performance

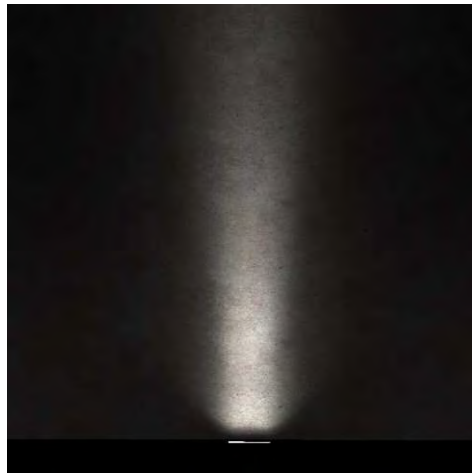
A luminous flux of over **5700 lm** per square metre means that a single fixture can light **facades 20 metres** high.



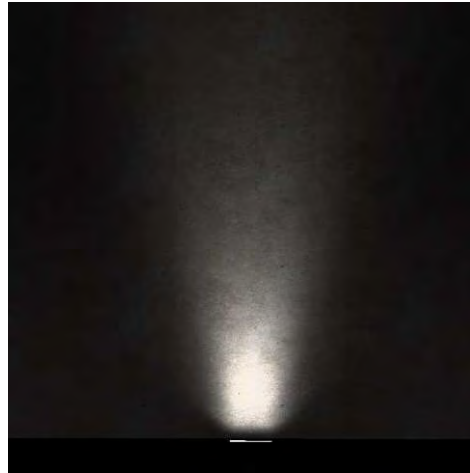
# Colorado 1 / 2 / 3 // Optics

Profile centre distance from wall 20 cm

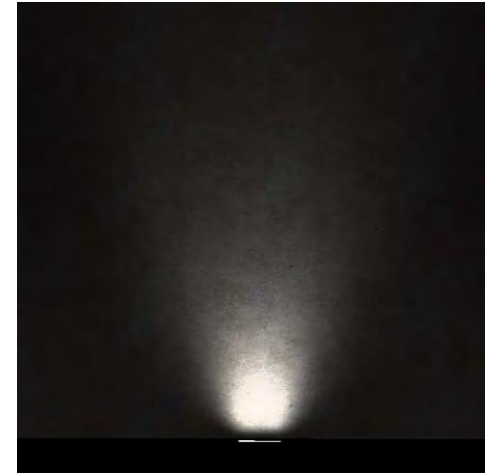
12°



30°



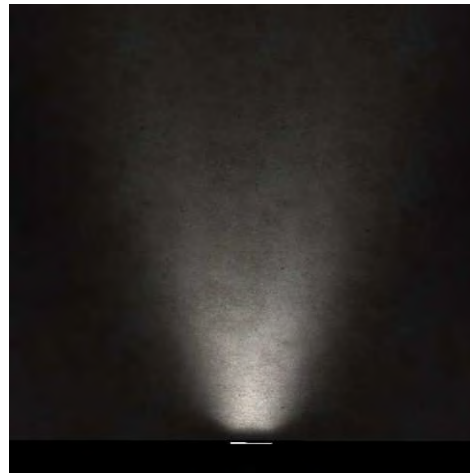
45°



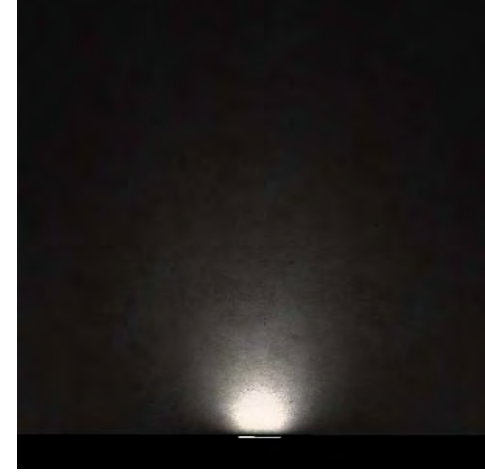
76°



15°x50°



diffuse

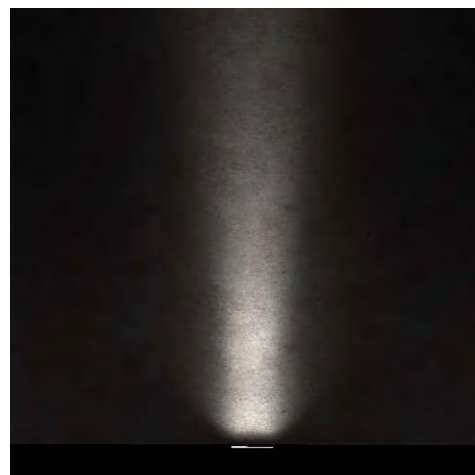




# Colorado 4 / 5 / 6 // Optics

Profile centre distance from wall 20 cm

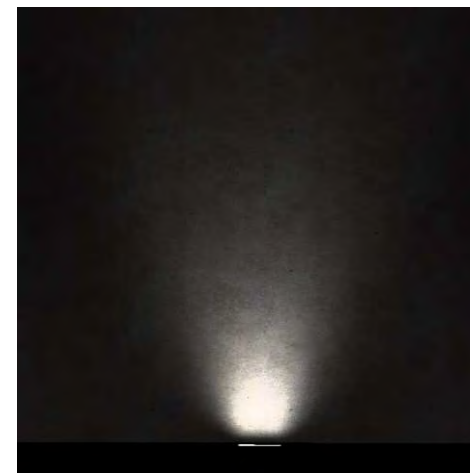
15°



25°



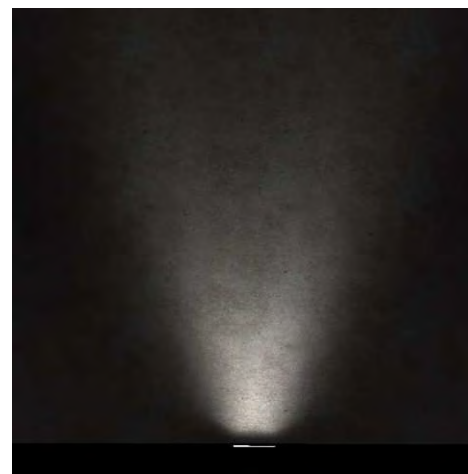
37°



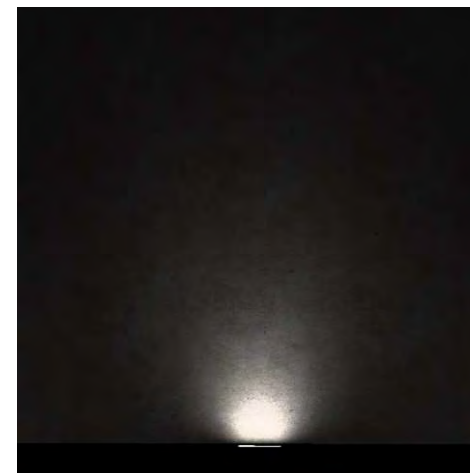
13°x65°



65°x13° (Colorado 6)



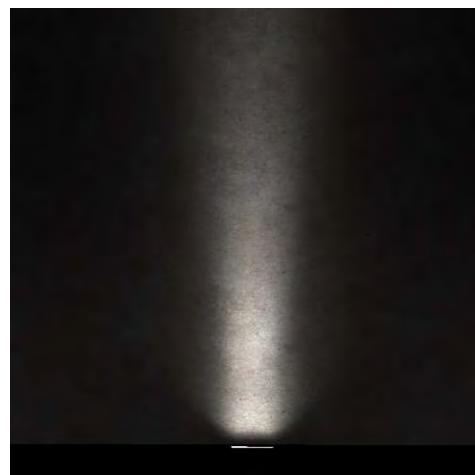
diffuse



# Colorado 7 / 8 / 9 // Optics

Profile centre distance from wall 20 cm

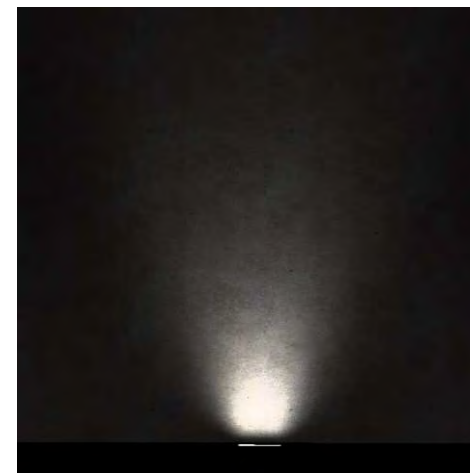
16°



26°



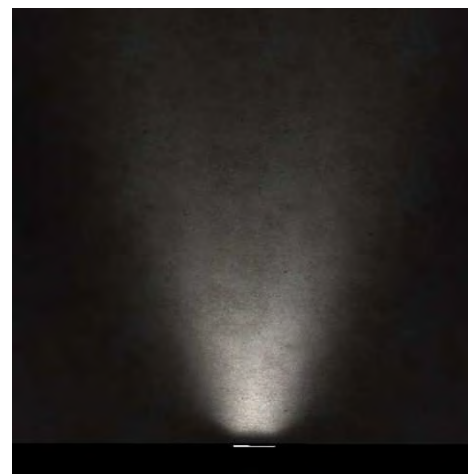
36°



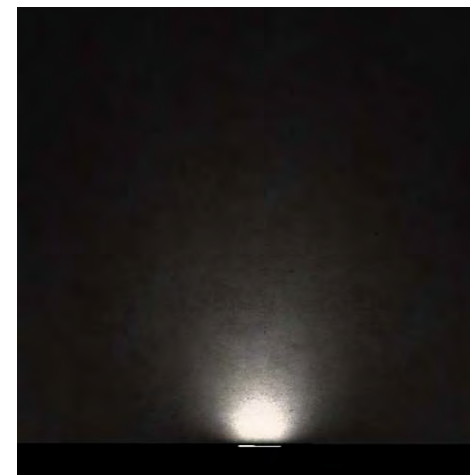
16°x66°



66°x16° (Colorado 9)



diffuse



**Colorado 5.0, RGBW, 43W, 37°**



**Colorado 7.0, Tunable White: 2200K ÷ 5000K , 43W, 16°**

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