

Line Sheet

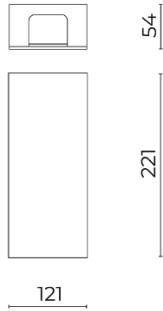
Rev. 16.05.23

Grapho mini

Options: 1 – 2 light beams
Colour temperature: 4000K / 3000K
Type of optics: blade, spot, wide beam,
ultra-wide beam

06GR _____

Colours: White RAL9003
Grey RAL9006
Corten
Sablé 100 Noir

Wall-Mounted, Ceiling**General features**

Description: LED wall-mounted and ceiling device for accent lighting

Insulation class: class I

Nominal voltage: 220-240 V

Protection level: IP66

Protection against impact: IK08

Ambient temperature Ta: -30° C +50°C

Weight: 1 kg

Driver: ON-OFF and DALI drivers, both versions with it included

Marks and Certifications: CE

Materials

Body and fastening: die-cast aluminium alloy UNI EN AB 47100 (copper content <1%)

Screen: UV stabilized technopolymer

Lenses: high-transparency PMMA

External screws: stainless steel AISI 316

Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

Colours: White RAL9003, Grey RAL9006, Corten, Sablé 100 noir

Installation and maintenance

Installation: wall-mounted, ceiling

Fastening: rear cable entry

Vandal-proof system: anti-vandalism grains provided

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Optical system

Provided with 4000K, 3000K white LEDs

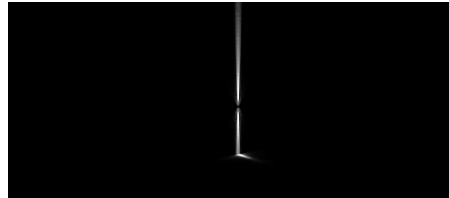
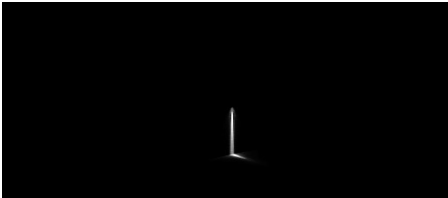
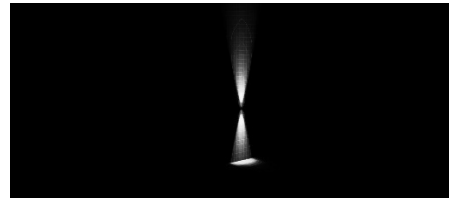
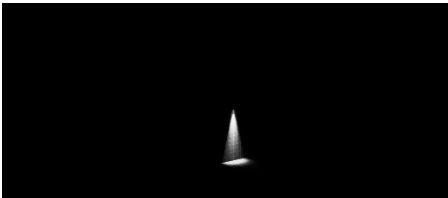
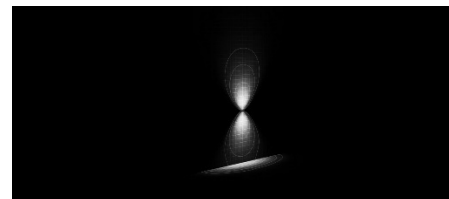
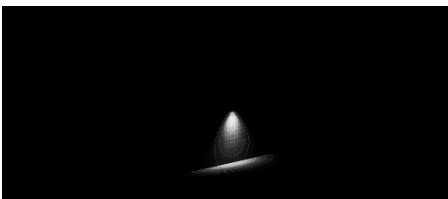
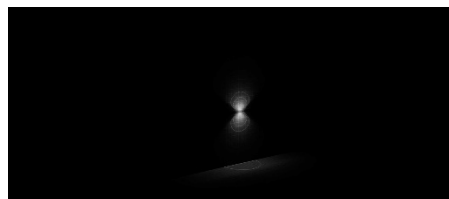
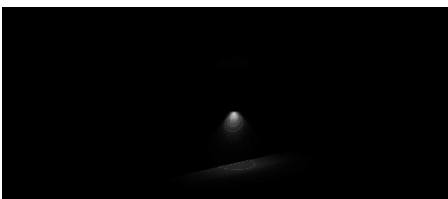
Colour rendering index (CRI): ≥ 80 Chromatic consistency (SDCM): ≤ 3 Optical unit lifetime: $>60.000\text{h}$ @Ta25°C L80B10

Photobiological safety class: EXEMPT GROUP

Normative framework

EN60598-1 / EN60598-2-5 / EN62471 / EN61547

Optics

Blade 4°x17°**Spot 21°x19°****Wide beam 50°x20°****Ultra-wide beam 100°x60°**

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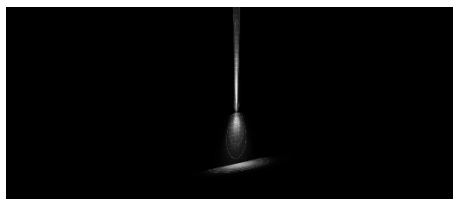
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Blade 4°x17° + Spot 21°x19°**Blade 4°x17° + Ultra-wide beam 100°x60°****Performance data**

1 LIGHT BEAM (ON-OFF)									
Options	Sources	mA	K	φ mod [lm]	P mod [W]	η mod [lm/W]	φ app [lm]	P app [W]	η app [lm/W]
Blade	LED	650	4000	455	4	114	175	4,5	39
Spot	LED	650	4000	455	4	114	180	4,5	40
Wide beam	LED	650	4000	455	4	114	150	4,5	33
Ultra-wide beam	LED	650	4000	455	4	114	180	4,5	40
Blade	LED	650	3000	425	4	106	160	4,5	36
Spot	LED	650	3000	425	4	106	170	4,5	38
Wide beam	LED	650	3000	425	4	106	140	4,5	31
Ultra-wide beam	LED	650	3000	425	4	106	170	4,5	38

2 LIGHT BEAMS (ON-OFF)									
Options	Sources	mA	K	φ mod [lm]	P mod [W]	η mod [lm/W]	φ app [lm]	P app [W]	η app [lm/W]
Blade	LED	650	4000	910	8,1	112	345	9	38
Spot	LED	650	4000	910	8,1	112	365	9	41
Wide beam	LED	650	4000	910	8,1	112	300	9	33
Ultra-wide beam	LED	650	4000	910	8,1	112	365	9	41
Blade+Spot	LED	650	4000	910	8,1	112	355	9	39
Blade + Ultra-wide beam	LED	650	4000	910	8,1	112	355	9	39
Blade	LED	650	3000	845	8,1	104	320	9	36

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Spot	LED	650	3000	845	8,1	104	340	9	38
Wide beam	LED	650	3000	845	8,1	104	280	9	31
Ultra-wide beam	LED	650	3000	845	8,1	104	340	9	38
Blade+Spot	LED	650	3000	845	8,1	104	330	9	37
Blade + Ultra-wide beam	LED	650	3000	845	8,1	104	330	9	37

2 LIGHT BEAMS (DALI)

Options	Sources	mA	K	φ mod [lm]	P mod [W]	η mod [lm/W]	φ app [lm]	P app [W]	η app [lm/W]
Blade	LED	640	4000	910	8,1	112	345	9	38
Spot	LED	640	4000	910	8,1	112	365	9	41
Wide beam	LED	640	4000	910	8,1	112	300	9	33
Ultra-wide beam	LED	640	4000	910	8,1	112	365	9	41
Blade+Spot	LED	640	4000	910	8,1	112	355	9	39
Blade + Ultra-wide beam	LED	640	4000	910	8,1	112	355	9	39
Blade	LED	640	3000	845	8,1	104	320	9	36
Spot	LED	640	3000	845	8,1	104	340	9	38
Wide beam	LED	640	3000	845	8,1	104	280	9	31
Ultra-wide beam	LED	640	3000	845	8,1	104	340	9	38
Blade+Spot	LED	640	3000	845	8,1	104	330	9	37
Blade + Ultra-wide beam	LED	640	3000	845	8,1	104	330	9	37

Values indicated in this technical sheet are to be considered nominal values with a tolerance of +/-7%.

Legend

mA = Power supply

K = Colour temperature

 φ mod [lm] = Source flux

P mod [W] = Source power

 η mod [lm/W] = Source efficiency φ app [lm] = Unit flux

P app [W] = Unit power

 η app [lm/W] = Unit efficiency

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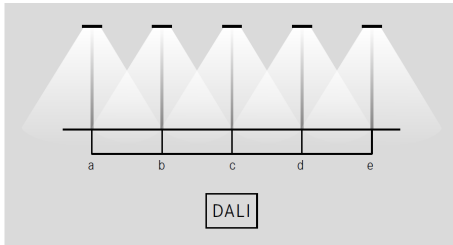
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Flux regulation

Group Management: DALI

DALI — This is a digital control system where every device is assigned a unique address that allows individual light points to be controlled and control groups to be created.



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