

## Description

**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated in white, grey or black; luminaire profile with pre-assembled converter unit can be pre-mounted; light inset can be installed without tools; suspended luminaire with 1500 mm cable suspension; with integrated tool-less suspension height adjustment; freely positioned attachment to the luminaire; incl. transparent feed; HPO (High Performance Opal) cover for uniform illumination; or micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; or with specially computed, asymmetrical lens for homogeneous vertical lighting intensity; energy-efficient LEDs with very good colour rendering; binning initial  $\leq 3$  MacAdam; available in the light colours 3000K and 4000K; CRI  $\geq 80$ ; min. 90% of the luminous flux after 50 000 hours; degree of protection IP20; PC I; photobiological safety according to IEC 62471 risk group 0; optionally non-dimmable or DALI-2 control

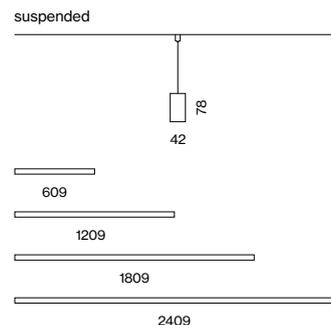
**ES** Cuerpo de perfil de aluminio con diseño angular; sin tornillos visibles; superficie con recubrimiento de pintura en polvo en colores blanco, gris o negro; perfil de luminaria con convertidor premontado está premontable; elemento de luz para montaje sin herramientas; luminaria suspendida con cable de 1500 mm; regulación de la altura sin necesitar herramientas; posicionamiento indistinto para la fijación en la lámpara; incluido cable de alimentación transparente; difusor opal de alta calidad que proporciona una iluminación uniforme; o cubierta microprismática de PMMA con lámina difusora para la reducción de iluminancia y un alumbrado homogéneo; o con lente especialmente calculada, asimétrica para intensidades de iluminación verticales homogéneas; LEDS de alta eficiencia que proporcionan una alta reproducción cromática; binning inicial  $\leq 3$  MacAdam; disponible en 3000K y 4000K; CRI  $\geq 80$ ; mín. 90% de flujo luminoso después de 50.000 horas de vida útil; protección IP20; CP I; seguridad fotobiológica según IEC 62471 grupo de riesgo 0; opcional no atenuable o control con DALI-2



## Quickinfo

3000 K, 4000 K  
CRI  $\geq 80$   
L90 @ 50 000h  
up to 7270 lm  
non DIM, DALI-2  
opal, microprismatic,  
asymmetric lens (wallwasher)

## Types



## Colours



## Light distributions



## BASO 40

suspended

### Order options

|                           |    |
|---------------------------|----|
| <b>COLOUR TEMPERATURE</b> | ☐☐ |
| 3000K                     | 5  |
| 4000K                     | 6  |

|                |      |
|----------------|------|
| <b>CONTROL</b> | ⬆️⬆️ |
| non DIM        | 1    |
| DALI-2         | 3    |

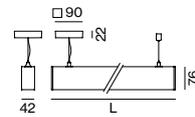
|                        |    |
|------------------------|----|
| <b>MATERIAL COLOUR</b> | ☑️ |
| white                  | 7  |
| grey                   | G  |
| black                  | 8  |



|                              |    |
|------------------------------|----|
| <b>LIGHT OPTIC COVER</b>     | ☑️ |
| opal high performance        | H  |
| microprismatic               | Z  |
| asymmetric lens (wallwasher) |    |

### Options on request

|                               |  |
|-------------------------------|--|
| <b>COLOUR RENDERING INDEX</b> |  |
| CRI ≥ 90                      |  |



### BASO 40 suspended



#### OPAL HIGH PERFORMANCE / MICROPRISMATIC

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE           |
|------------|--------------|-----------|--------|----------------------|
| 14W        | 3000K        | 1330lm    | 609    | 0 4 5 - 1 2 2 2 ☐☐☐☐ |
|            | 4000K        | 1400lm    |        |                      |
| 27W        | 3000K        | 2650lm    | 1209   | 0 4 5 - 1 2 2 4 ☐☐☐☐ |
|            | 4000K        | 2810lm    |        |                      |
| 41W        | 3000K        | 3980lm    | 1809   | 0 4 5 - 1 2 2 6 ☐☐☐☐ |
|            | 4000K        | 4210lm    |        |                      |
| 55W        | 3000K        | 5310lm    | 2409   | 0 4 5 - 1 2 2 8 ☐☐☐☐ |
|            | 4000K        | 5620lm    |        |                      |

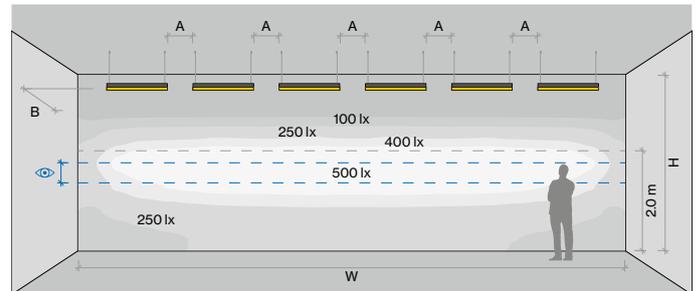
luminous flux opal high performance, -8% by microprismatic cover

#### WALLWASHER

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE           |
|------------|--------------|-----------|--------|----------------------|
| 14W        | 3000K        | 1720lm    | 609    | 0 4 5 - 1 2 2 2 ☐☐☐☐ |
|            | 4000K        | 1820lm    |        |                      |
| 27W        | 3000K        | 3430lm    | 1209   | 0 4 5 - 1 2 2 4 ☐☐☐☐ |
|            | 4000K        | 3630lm    |        |                      |
| 41W        | 3000K        | 5150lm    | 1809   | 0 4 5 - 1 2 2 6 ☐☐☐☐ |
|            | 4000K        | 5450lm    |        |                      |
| 54W        | 3000K        | 6870lm    | 2409   | 0 4 5 - 1 2 2 8 ☐☐☐☐ |
|            | 4000K        | 7270lm    |        |                      |

### Technical data

#### BASO 40 suspended, wallwasher, 27W, 3000K

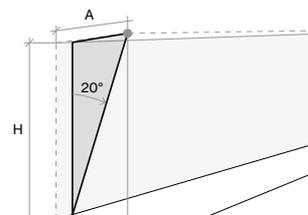


#### ROOM VALUES

|                             |                      |
|-----------------------------|----------------------|
| Wall dimensions             | H = 2.8m   W = 10.8m |
| Distance to wall            | B = 1.3m             |
| Distance between Luminaires | 0.5m                 |
| Suspension height           | 2.8m                 |
| Reflection factor           | 0.7   0.5   0.2      |
| Maintenance factor          | 0.8                  |

#### CALCULATION SURFACE

|                    |               |
|--------------------|---------------|
| Surface dimensions | 10.8 × 3.5m   |
| Surface height     | 0 – 3.5m      |
| Eye level          | 1.35m – 1.75m |



#### MOUNTING DISTANCE

| H (mm) | A (mm) |
|--------|--------|
| 2750   | 900    |
| 3000   | 1000   |
| 3500   | 1200   |

### LIGHT DISTRIBUTION

#### opal high performance



direct

#### asymmetric



direct

## Description

**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated in white, grey or black; luminaire profile with pre-assembled converter unit can be pre-mounted; light inset can be installed without tools; suspended luminaire with 1500mm cable suspension; with integrated tool-less suspension height adjustment; freely positioned attachment to the luminaire; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-quality, chromed reflector with faceted design; workplace luminaire suitable for VDUs according to DIN EN 12464-1 ( $UGR \leq 19$ ); energy-efficient LEDs with very good colour rendering; binning initial  $\leq 3$  MacAdam; available in the light colours 3000 K and 4000 K;  $CRI \geq 80$ ; min. 90 % of the luminous flux after 50 000 hours; degree of protection IP 20; PC I; optionally non-dimmable or DALI-2 control

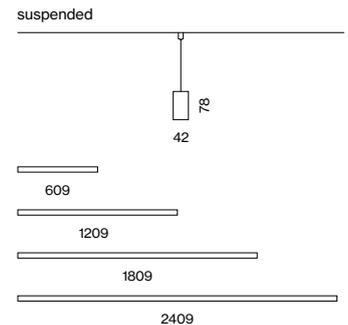
**ES** Cuerpo de perfil de aluminio con diseño angular; sin tornillos visibles; superficie con recubrimiento de pintura en polvo en colores blanco, gris o negro; perfil de luminaria con convertidor pre-montado está premontable; elemento de luz para montaje sin herramientas; luminaria suspendida con cable de 1500 mm; regulación de la altura sin necesitar herramientas; posicionamiento indistinto para la fijación en la lámpara; incluido cable de alimentación transparente; inserto luminoso de perfil extruido para una mejor gestión del calor; reflector de alta calidad cromado con facetas esféricas; iluminación del área de trabajo aprobada según la normativa DIN EN 12464-1 ( $UGR \leq 19$ ); LEDs de alta eficiencia que proporcionan una alta reproducción cromática; binning inicial  $\leq 3$  MacAdam; disponible en 3000 K y 4000 K;  $CRI \geq 80$ ; mínimo 90 % del flujo luminoso después de 50.000 h de vida útil; protección IP 20; CP I; opcional no atenuable o control con DALI-2



## Quickinfo

3000 K, 4000 K  
 $CRI \geq 80$   
 L90 @ 50 000h  
 $UGR \leq 19 / 65^\circ \leq 1500 \text{ cd/m}^2$   
 up to 8730 lm  
 non DIM, DALI-2  
 reflector ( $UGR \leq 19$ )

## Types



## Colours



## Light distributions



## BASO 40 reflector

suspended

## Order options

|                           |    |
|---------------------------|----|
| <b>COLOUR TEMPERATURE</b> | ☐☐ |
| 3000K                     | 5  |
| 4000K                     | 6  |

|                |   |
|----------------|---|
| <b>CONTROL</b> | ⬆ |
| non DIM        | 1 |
| DALI-2         | 3 |

|                        |   |
|------------------------|---|
| <b>MATERIAL COLOUR</b> | ☑ |
| white                  | 7 |
| grey                   | G |
| black                  | 8 |

7 G 8

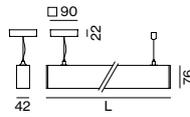
## LIGHT OPTIC COVER

reflector (UGR ≤ 19)

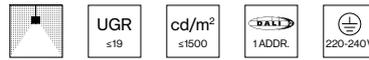
## Options on request

### COLOUR RENDERING INDEX

CRI ≥ 90



## BASO 40 suspended

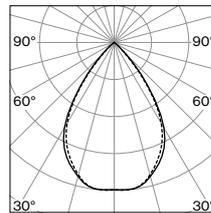


### REFLECTOR

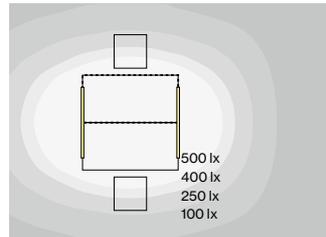
| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE             |
|------------|--------------|-----------|--------|------------------------|
| 20W        | 3000K        | 2060lm    | 609    | 0 4 5 - 1 2 2 2 ☐☐☐☐ R |
|            | 4000K        | 2180lm    |        |                        |
| 40W        | 3000K        | 4120lm    | 1209   | 0 4 5 - 1 2 2 4 ☐☐☐☐ R |
|            | 4000K        | 4370lm    |        |                        |
| 61W        | 3000K        | 6190lm    | 1809   | 0 4 5 - 1 2 2 6 ☐☐☐☐ R |
|            | 4000K        | 6550lm    |        |                        |
| 81W        | 3000K        | 8250lm    | 2409   | 0 4 5 - 1 2 2 8 ☐☐☐☐ R |
|            | 4000K        | 8730lm    |        |                        |

### LIGHT DISTRIBUTION

reflector (UGR ≤ 19)



## Technical data



### BASO 40 reflector, 40W, 4000K

#### ROOM VALUES

|                    |                 |
|--------------------|-----------------|
| Room dimensions    | 5.4 × 4 × 2.8 m |
| Reflection factor  | 0.7   0.5   0.2 |
| Maintenance factor | 0.8             |
| Mounting height    | 2.25 m          |

#### CALCULATION SURFACE .....

|                                       |           |
|---------------------------------------|-----------|
| Surface dimensions                    | 1.6 × 0.8 |
| Surface height                        | 0.75      |
| Average illuminance (E <sub>m</sub> ) | > 500 lx  |
| Uniformity (U <sub>0</sub> )          | > 0.6     |

#### GLARE EVALUATION

|  |      |
|--|------|
| Table Classification X=4H   Y=8H   S=0.25H |      |
| UGR transversal                            | < 19 |
| UGR axial                                  | < 19 |
| ≥ 65° ≤ 1500 cd/m²                         |      |

