



**Description**

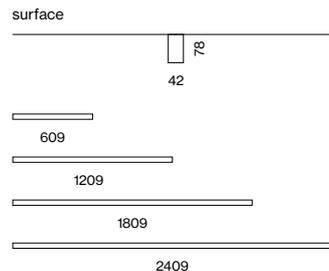
<sup>EN</sup> Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated in white, grey or black; luminaire profile with pre-assembled converter unit can be pre-mounted; light inset can be installed without tools; HPO (High Performance Opal) cover for 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 3000 K and 4000 K; 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

<sup>ES</sup> 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; 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 3000 K y 4000 K; 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**

surface

### 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                      |  |



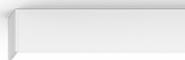
### BASO 40 surface



#### OPAL HIGH PERFORMANCE / MICROPRISMATIC

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE           |
|------------|--------------|-----------|--------|----------------------|
| 14W        | 3000K        | 1330lm    | 609    | 0 4 5 - 1 1 2 2 ☐☐☐☐ |
|            | 4000K        | 1400lm    |        |                      |
| 27W        | 3000K        | 2650lm    | 1209   | 0 4 5 - 1 1 2 4 ☐☐☐☐ |
|            | 4000K        | 2810lm    |        |                      |
| 41W        | 3000K        | 3980lm    | 1809   | 0 4 5 - 1 1 2 6 ☐☐☐☐ |
|            | 4000K        | 4210lm    |        |                      |
| 55W        | 3000K        | 5310lm    | 2409   | 0 4 5 - 1 1 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 1 2 2 ☐☐☐☐ A |
|            | 4000K        | 1820lm    |        |                        |
| 27W        | 3000K        | 3430lm    | 1209   | 0 4 5 - 1 1 2 4 ☐☐☐☐ A |
|            | 4000K        | 3630lm    |        |                        |
| 41W        | 3000K        | 5150lm    | 1809   | 0 4 5 - 1 1 2 6 ☐☐☐☐ A |
|            | 4000K        | 5450lm    |        |                        |
| 54W        | 3000K        | 6870lm    | 2409   | 0 4 5 - 1 1 2 8 ☐☐☐☐ A |
|            | 4000K        | 7270lm    |        |                        |

### Technical data

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



|                             |                      |
|-----------------------------|----------------------|
| <b>ROOM VALUES</b>          |                      |
| Wall dimensions             | H = 2.8m   W = 10.8m |
| Distance to wall            | B = 1.3m             |
| Distance between Luminaires | 0.5m                 |
| Reflection factor           | 0.7   0.5   0.2      |
| Maintenance factor          | 0.8                  |

|                            |               |
|----------------------------|---------------|
| <b>CALCULATION SURFACE</b> |               |
| Surface dimensions         | 10.8 × 2.8m   |
| Surface height             | 0 – 2.8m      |
| Eye level                  | 1.35m – 1.75m |



#### MOUNTING DISTANCE

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

### LIGHT DISTRIBUTION





**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; light inset made from extruded profile for improved thermal management; high-quality, chromed reflector with faceted design; workplace light 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 3000K and 4000K;  $CRI \geq 80$ ; min. 80 % 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 premontado está premontable; elemento de luz para montaje sin herramientas; 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 3000K y 4000K;  $CRI \geq 80$ ; mín. 90 % de flujo luminoso después de 50.000 horas de vida útil; protección IP20; CP I; opcional no atenuable o control con DALI-2

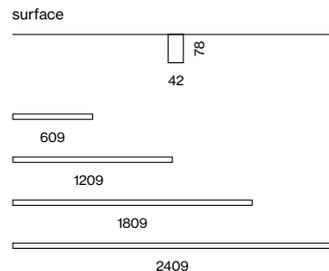
**BASO 40 reflector**

surface

**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**



direct

## 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 surface



### REFLECTOR

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

#### 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                         |      |

