

## Description

**EN** Luminaire housing made of extruded aluminium; for trimless installation in plaster-board ceilings; special edge design with perforations for better adhesion of filler; suitable for ceiling thickness of 8–20 mm; surface raw; 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 IP 20; PC I; photobiological safety according to IEC 62471 risk group 0; optionally non-dimmable or DALI-2 control

**FR** Corps de luminaire en profil extrudé en aluminium ; convient à encastrement sans bord en plafond en placoplâtre ; formation de bords spéciaux avec des trous pour meilleure adhérence du l'enduit ; convient aux épaisseurs de plafond de 8-20 mm ; surface brute ; profilé de luminaire avec convertisseur prémontée et pouvant être montée à l'avance ; élément lumineux à monter sans outil ; cache HPO (High Performance Opal) pour éclairage homogène ; ou cache PMMA microprismatique, avec film diffusant inclus pour réduire la brillance avec un éclairage homogène ; ou avec lentille asymétrique, spécialement calculée pour intensités d'éclairage vertical homogènes ; LED économes en énergie à restitution de couleur élevée ; binning initial  $\leq 3$  MacAdam ; livrable dans les couleurs de lumière 3000 K et 4000 K ; CRI  $\geq 80$  ; min. 90 % du flux lumineux au bout de 50 000 h de durée de vie ; genre protection IP 20 ; CP I ; sécurité photobiologique selon la norme IEC 62471 groupe de risque 0 ; en option non gradable ou commande via DALI-2

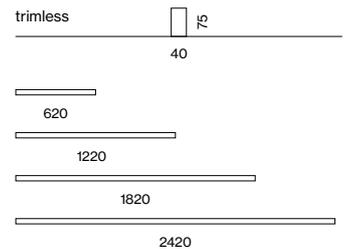
## BASO 40

recessed trimless

### 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



### Colour



### Light distributions



### Order options

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

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

|                        |
|------------------------|
| <b>MATERIAL COLOUR</b> |
| aluminium raw          |



|                              |   |
|------------------------------|---|
| <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 trimless



#### OPAL HIGH PERFORMANCE / MICROPRISMATIC

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE              |
|------------|--------------|-----------|--------|-------------------------|
| 14W        | 3000K        | 1330lm    | 620    | 0 4 5 - 0 7 2 2 ◆ ◆ 0 □ |
|            | 4000K        | 1400lm    |        |                         |
| 27W        | 3000K        | 2650lm    | 1220   | 0 4 5 - 0 7 2 4 ◆ ◆ 0 □ |
|            | 4000K        | 2810lm    |        |                         |
| 41W        | 3000K        | 3980lm    | 1820   | 0 4 5 - 0 7 2 6 ◆ ◆ 0 □ |
|            | 4000K        | 4210lm    |        |                         |
| 55W        | 3000K        | 5310lm    | 2420   | 0 4 5 - 0 7 2 8 ◆ ◆ 0 □ |
|            | 4000K        | 5620lm    |        |                         |

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



### BASO 40 trimless



#### WALLWASHER

| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE              |
|------------|--------------|-----------|--------|-------------------------|
| 14W        | 3000K        | 1720lm    | 620    | 0 4 5 - 0 7 2 2 ◆ ◆ 0 A |
|            | 4000K        | 1820lm    |        |                         |
| 27W        | 3000K        | 3430lm    | 1220   | 0 4 5 - 0 7 2 4 ◆ ◆ 0 A |
|            | 4000K        | 3630lm    |        |                         |
| 41W        | 3000K        | 5150lm    | 1820   | 0 4 5 - 0 7 2 6 ◆ ◆ 0 A |
|            | 4000K        | 5450lm    |        |                         |
| 54W        | 3000K        | 6870lm    | 2420   | 0 4 5 - 0 7 2 8 ◆ ◆ 0 A |
|            | 4000K        | 7270lm    |        |                         |

### Technical data

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

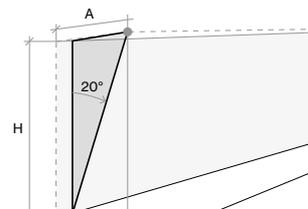


#### ROOM VALUES

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

#### CALCULATION SURFACE

|                    |               |
|--------------------|---------------|
| 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



### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

| L (mm) | W-H (mm) | ORDER CODE            |
|--------|----------|-----------------------|
| 605    | 55-86    | 0 4 5 - 0 7 9 2 0 1 0 |
| 1205   | 55-86    | 0 4 5 - 0 7 9 4 0 1 0 |
| 1805   | 55-86    | 0 4 5 - 0 7 9 6 0 1 0 |
| 2405   | 55-86    | 0 4 5 - 0 7 9 8 0 1 0 |

no use for wall installation (only on request)



## Description

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**FR** Corps de luminaire en profil extrudé en aluminium ; convient à encastrement sans bord en plafond en placoplâtre ; formation de bords spéciaux avec des trous pour meilleure adhérence du l'enduit ; convient aux épaisseurs de plafond de 8-20 mm ; surface brute ; profilé de luminaire avec convertisseur prémontée et pouvant être montée à l'avance ; élément lumineux à monter sans outil ; insert lumineux en profil extrudé pour une meilleure gestion de la température ; réflecteur chromé de grande qualité avec optique facette ; luminaire de lieu de travail compatible écrans selon la DIN EN 12464-1 ( $UGR \leq 19$ ) ; LED économes en énergie à restitution de couleur élevée ; binning initial  $\leq 3$  MacAdam ; livrable dans les couleurs de lumière 3000 K et 4000 K ;  $CRI \geq 80$  ; min. 90% du flux lumineux au bout de 50 000 h de durée de vie ; genre protection IP20 ; CP I ; en option non gradable ou commande via DALI-2

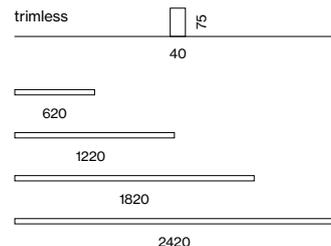
## BASO 40 reflector

recessed trimless

## 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



## Colour



## 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> |
| aluminium raw          |



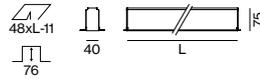
|                          |
|--------------------------|
| <b>LIGHT OPTIC COVER</b> |
| reflector (UGR ≤ 19)     |

## Options on request

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



## BASO 40 trimless

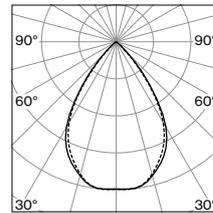


### REFLECTOR

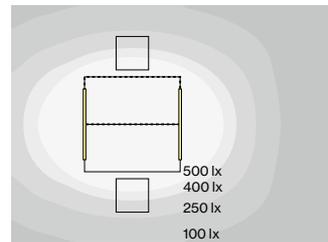
| SYS. POWER | COLOUR TEMP. | LUM. FLUX | L (mm) | ORDER CODE                  |
|------------|--------------|-----------|--------|-----------------------------|
| 20W        | 3000K        | 2060lm    | 620    | 0 4 5 - 0 7 2 2 ☼☼ ⬆️⬆️ 0 R |
|            | 4000K        | 2180lm    |        |                             |
| 40W        | 3000K        | 4120lm    | 1220   | 0 4 5 - 0 7 2 4 ☼☼ ⬆️⬆️ 0 R |
|            | 4000K        | 4370lm    |        |                             |
| 61W        | 3000K        | 6190lm    | 1820   | 0 4 5 - 0 7 2 6 ☼☼ ⬆️⬆️ 0 R |
|            | 4000K        | 6550lm    |        |                             |
| 81W        | 3000K        | 8250lm    | 2420   | 0 4 5 - 0 7 2 8 ☼☼ ⬆️⬆️ 0 R |
|            | 4000K        | 8730lm    |        |                             |

### LIGHT DISTRIBUTION

reflector (UGR ≤ 19)



## Technical data



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

#### ROOM VALUES

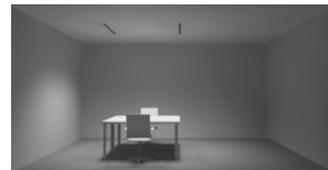
|                    |                 |
|--------------------|-----------------|
| Room dimensions    | 5,4 × 4 × 2,8 m |
| Reflection factor  | 0.7   0.5   0.2 |
| Maintenance factor | 0.8             |

#### 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                         |      |



## Mounting accessories

### CONCRETE INSTALLATION HOUSING

| L (mm) | W-H (mm) | ORDER CODE            |
|--------|----------|-----------------------|
| 660    | 56-86    | 0 4 5 - 0 7 9 2 0 1 0 |
| 1260   | 56-86    | 0 4 5 - 0 7 9 4 0 1 0 |
| 1860   | 56-86    | 0 4 5 - 0 7 9 6 0 1 0 |
| 2460   | 56-86    | 0 4 5 - 0 7 9 8 0 1 0 |

no use for wall installation (only on request)

