

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 ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 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

^{DE} Leuchtenkörper aus Aluminiumstrangpressprofil; geeignet für den randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Löchern für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8–20 mm; Oberfläche roh; Leuchtenprofil mit vormontierter Konvertereinheit vorab montierbar; Lichteinsatz werkzeuglos montierbar; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; oder mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; oder mit speziell berechneter, asymmetrischer Linse für homogene vertikale Beleuchtungsstärken; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80 ; min. 90 % des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 20; SK I; photobiologische Sicherheit gemäß IEC 62471 Risikogruppe 0; wahlweise nicht dimmbar oder DALI-2 Steuerung

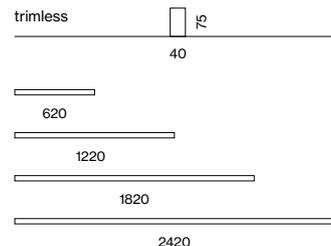
BASO 40

recessed trimless

Quickinfo

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

Types



Colour



Light distributions



Order options

COLOUR TEMPERATURE	••
3000K	5
4000K	6

CONTROL	◆
non DIM	1
DALI-2	3

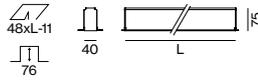
MATERIAL COLOUR
aluminium raw



LIGHT OPTIC COVER	□
opal high performance	H
microprismatic	Z
asymmetric lens (wallwasher)	

Options on request

COLOUR RENDERING INDEX
CRI ≥ 90



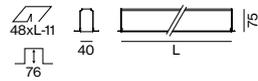
BASO 40 trimless



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

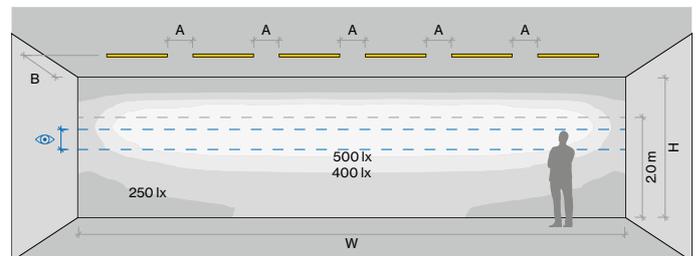


WALLWASHER

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

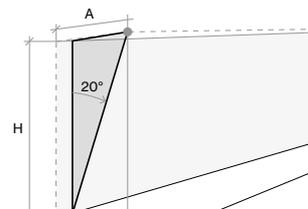


ROOM VALUES

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

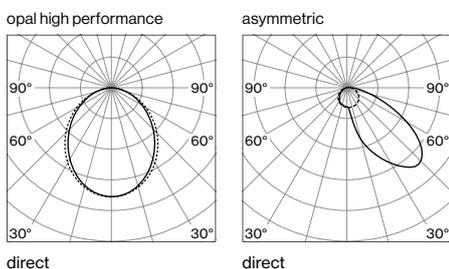
Surface dimensions	10.8 × 2.8m
Surface height	0 – 2.8m
Eye level	1.35m – 1.75m



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

^{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; 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 ≤ 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; optionally non-dimmable or DALI-2 control

^{DE} Leuchtenkörper aus Aluminiumstrangpressprofil; geeignet für den randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Löchern für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8–20 mm; Oberfläche roh; Leuchtenprofil mit vormontierter Konvertereinheit vorab montierbar; Lichteinsatz werkzeuglos montierbar; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochwertiger, verchromter Reflektor mit Facettenoptik; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 ($UGR \leq 19$); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; $CRI \geq 80$; min. 90 % des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SK I; wahlweise nicht dimmbar oder DALI-2 Steuerung

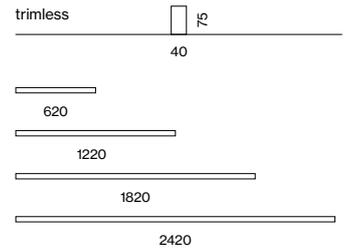
BASO 40 reflector

recessed trimless

Quickinfo

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

Types



Colour



Light distributions



Order options

COLOUR TEMPERATURE	☐☐
3000K	5
4000K	6

CONTROL	⬇️⬆️⬆️
non DIM	1
DALI-2	3

MATERIAL COLOUR	
aluminium raw	



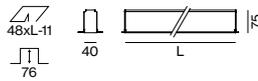
LIGHT OPTIC COVER	
reflector (UGR ≤ 19)	

Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	



BASO 40 trimless

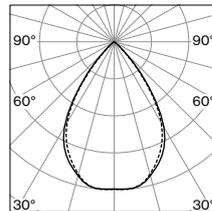


REFLECTOR

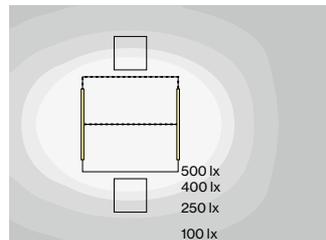
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20W	3000K	2060lm	620	0 4 5 - 0 7 2 2 ☐☐ ⬇️⬆️⬆️ 0 R
	4000K	2180lm		
40W	3000K	4120lm	1220	0 4 5 - 0 7 2 4 ☐☐ ⬇️⬆️⬆️ 0 R
	4000K	4370lm		
61W	3000K	6190lm	1820	0 4 5 - 0 7 2 6 ☐☐ ⬇️⬆️⬆️ 0 R
	4000K	6550lm		
81W	3000K	8250lm	2420	0 4 5 - 0 7 2 8 ☐☐ ⬇️⬆️⬆️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

LIGHT DISTRIBUTION

reflector (UGR ≤ 19)



Technical data



BASO 40 reflector, 40 W, 4000 K

ROOM VALUES

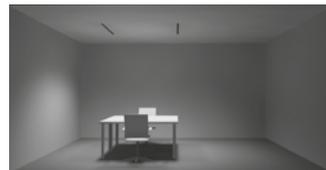
Room dimensions	5,4 × 4 × 2,8 m
Reflection factor	0.7 0.5 0.2
Maintenance factor	0.8

CALCULATION SURFACE

Surface dimensions	1,6 × 0,8
Surface height	0,75
Average illuminance (E _m)	> 500 lx
Uniformity (U ₀)	> 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)

