"Simple, light & very efficient"

BLAS

INDUSTRIAL

GRAH®
LED LIGHTING

INDUSTRIAL

BLAS

BLAS I

BLAS II

TECHNICAL SPECIFICATIONS

		BLAS I	BLAS II
Supply voltage range:	198-264 V, 50 / 60 Hz		
Consumption:	63 W / 127 W	63 W / 78 W	102 W / 127 W
Power Factor:	>0,95		
Temperature range:	-5 °C / +40 °C		
Working temperature at Ta25:	+55 °C		
Light guiding system:	PMMA lenses		
Optics:	60°, 90°, retail sym., O, retail asym.		
Power reduction:	ON/OFF, DALI		
Light source:	Mid power LED		
Colour temperature:	3000 K, 4000 K, 5000 K		
System efficacy:		Up to 134 lm/W	Up to 139 lm/W
LED Lifetime:	Up to 50.000 hours, L80 @ Ta = 25 °C		
Colour Rendering Index:	CRI >80		
Luminous flux:	7.600 / 17.600 lm	7.600 / 10.500 lm	12.800 / 17.600 lm
Appliance class:	I		
Housing material:	Aluminium		
Housing colour:	RAL 9016 fine texture (other colours on request)		
Ingress protection class:	IP40		
Impact resistance:	IK08		
Mounting options:	Ceiling, suspended, wall	Mounting KIT Ceiling and Suspension chain 2 m included	Mounting KIT Ceiling and Suspension chain 2 m included
Suggested mounting height:	4-8 m		
Dimension (L x H x W):		1160 x 70 x 60 mm 1440 x 70 x 60 mm	1160 x 180 x 75 mm 1440 x 180 x 75 mm
Net weight:		2,75 / 3,4 kg	5.5 / 6,75 kg

100% EU

CE

RoHSII

LED

IP40

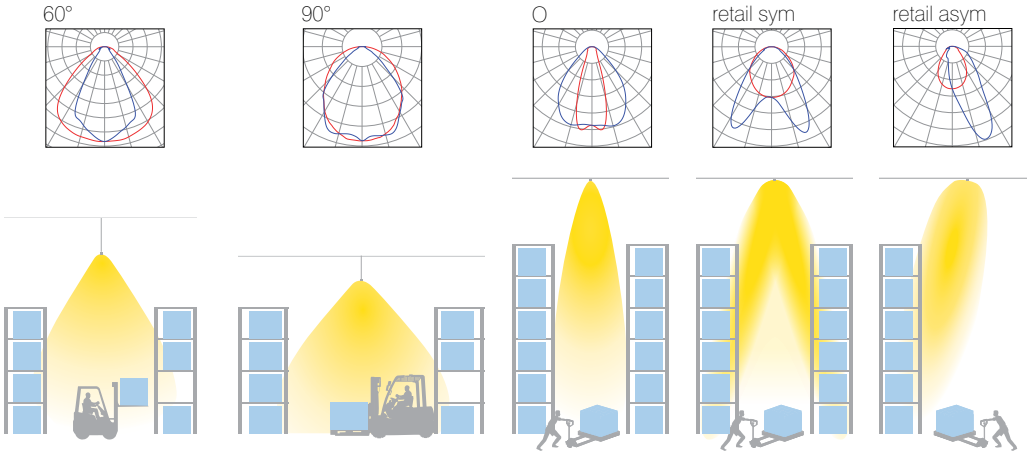
IK08

DALI

FEATURES

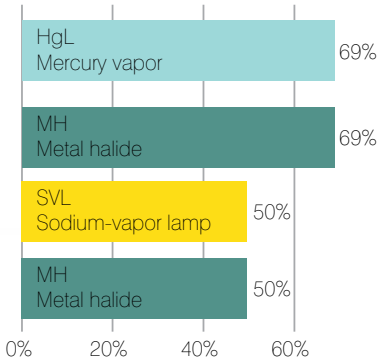
2 sizes with 5 light distributions

Off-the-shelf linear optics solution.
With new optics systems for 5 different applications. BLAS comes with the latest LED chip, efficacy is increased up to 139 lm/W. Advanced optical control with great colour uniformity and reduced longitudinal glare. Simple and very efficient industrial solution.



System efficacy up to 139 lm/W and a long last build, Blas is a luminaire with great energy savings.

Chart shows calculated average energy savings with GRAH Lighting BLAS products compared to conventional industrial lighting.



Type of lamp	Mercury Vapor	Metal Halide 1	Sodium vapor	Metal Halide 2	BIX LED*
Mounting high	10 m	10 m	10 m	10 m	10 m
Lux	60	60	75	80	
Luminous flux	13000 lm	19000 lm	25000 lm	25500 lm	
Consumption	250 W				78 W
		250 W			78 W
			250 W		126 W
				250 W	126 W

*All data are calculated using basic calculation data

With luminous flux from 7.600 lm to 17.600 lm and different optics systems, BLAS cover all your needs

Designed for:

- warehouses with low and high ceilings
- warehouses with wide or narrow hallways
- industrial facilities

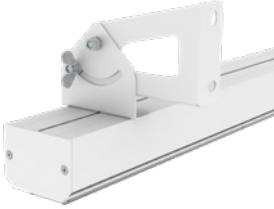
Mounting accessories included in the box

Mounting KIT Suspension chain 2 m

Mounting KIT Ceiling

Accessories

Mounting KIT Suspension wire 3 m



Mounting KIT Wall adjustable - only for Blas I

COMMERCIAL SPECIFICATIONS

ID: 2300-0082-1153-1391

Code	Name	Code	Regulat.	Code	Lum. flux [lm]	Power [W]	Code	Optics	Code	Colour Temp.[K]	Code	Length [mm]
2300	BLAS I	0	ON/OFF	082	8200	63	15	60°	3	3000*	1	1160
		3	DALI	102	10200	78			4	4000	2	1440
				080	8000	63	33	90°	5	5000*	1	1160
				100	10000	78					2	1440
				076	7600	63	40	retail asym.			1	1160
				095	9500	78					2	1440
				078	7800	63	22	O			1	1160
				098	9800	78					2	1440
				084	8400	63	39	retail sym.			1	1160
				105	10500	78					2	1440
2310	BLAS II	0	ON/OFF	138	13800	102	15	60°	3	3000*	1	1160
		3	DALI	172	17200	127			4	4000	2	1440
				134	13400	102	33	90°	5	5000*	1	1160
				168	16800	127					2	1440
				128	12800	102	40	retail asym.			1	1160
				160	16000	127					2	1440
				131	13100	102	22	O			1	1160
				164	16400	127					2	1440
				141	14100	102	39	retail sym.			1	1160
				176	17600	127					2	1440

*Luminous flux for 3000 K and 5000 K may vary, please contact our Sales department for detailed information.

Code	Accessories
3999-0039-0000-0000	Mounting KIT Suspension wire 3 m
3999-0035-0000-0000	Mounting KIT Suspension wire 3 m Blas II
3999-0030-0000-0000	Mounting KIT Wall adjustable (only for Blas I)

All specifications are preliminary and are subject to change without prior notice.

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