



BEKABAY



BEKABAY with Reflexor® 822,
closed with painted gear housing



BEKABAY with Reflector 400W,
open with painted gear housing



BEKABAY Techno 400W, closed

APPLICATIONS

- Factories
- Warehouses
- Hangars
- Gymnasia
- Retail areas
- Industry

KEY ADVANTAGES

- Control gear compartment - IP 65
- High-pressure die-cast aluminium gear housing
- Removable control gear
- High efficiency
- Asbestos heat shield
- Choice of open or closed acrylic Reflexor® or aluminium reflector
- Zone 2 versions available

CONSTRUCTION DETAILS

The luminaire consists of a die-cast aluminium control gear housing and spun aluminium reflector or injection moulded acrylic prismatic reflector and is designed to operate 250/400W mercury vapour, 150/250/400/600/1000W high-pressure sodium and 250/400/600/1000W metal halide elliptical lamps.

SABS MARKS

The luminaire bears the SANS 475 mark and the SANS 60598-2-1 safety mark.

INGRESS PROTECTION

The luminaire has a degree of protection that complies with SANS 60598-2-1:

Enclosed reflector: IP 65

The IP rating is certified by an SABS test report.

CONTROL GEAR COMPARTMENT

- The control gear compartment is manufactured from high-pressure die-cast aluminium for good heat dissipation.
- The lid is held captive by a removable wish-bone spring when opened.

REFLECTOR SYSTEM - ALUMINIUM

- The reflector system is manufactured of brightened and anodised aluminium.
- The reflector is mounted onto the control gear housing via two key hole slots.
- The reflector neck has five large punched holes to provide an upright component and ensure a cool ambient temperature at the lampholder.
- It is available in either an open or enclosed version, the latter having a glass or polycarbonate lens spun into the reflector (IP 55 version).
- It provides uniform and low glare lighting with a light output efficiency of more than 85%.

REFLECTOR SYSTEM - TECHNO

- The faceted reflector system is manufactured by a special "ALPAK" brightening process.
- The reflector is mounted onto the control gear housing via two keyhole slots.
- It is available in either an open or enclosed version (IP 65 version).
- The enclosed version is closed by means of glass within a hinged frame, held by two clips to the reflector.
- It provides uniform and low glare lighting with a light output efficiency of more than 85%.

REFLECTOR SYSTEM - REFLEXOR®

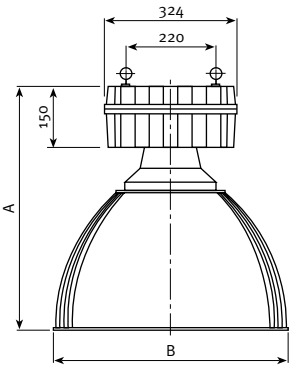
- The Acrylic Reflexor®, when required, is a precisely formed prismatic reflector which refracts and reflects the light rays in carefully controlled directions.
- It is available in either an open or enclosed version (IP 54 version).

ELECTRICAL COMPONENTS

- It is suitable for operation with the specified rating of the lamp on a 230V +3%/-10% 50Hz single phase system.
- The luminaire is power factor corrected to a minimum of 0,9.

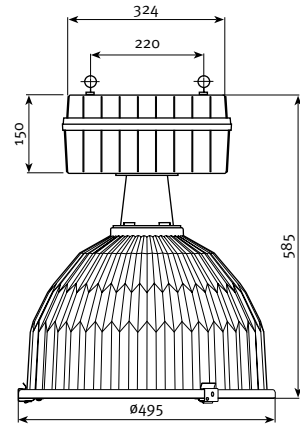
DIMENSIONS IN MM

Acrylic Reflector®



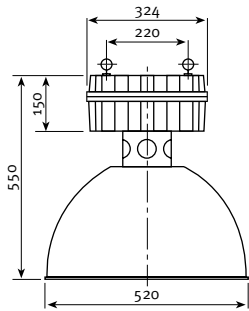
	A	B
MODEL 816	525	Ø420
MODEL 822	600	Ø570
MODEL 825	580	Ø645

BEKABAY Techno

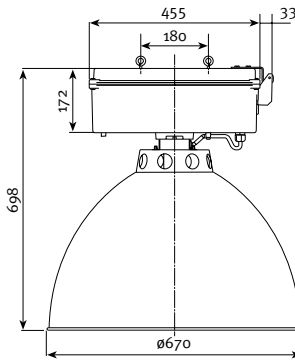


400W Closed

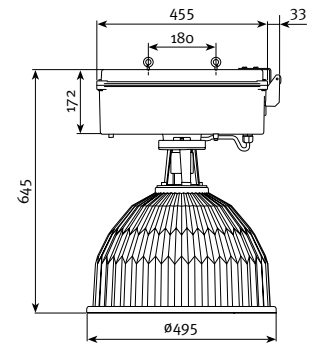
Aluminium reflector



150 - 400W Open



1000W Open

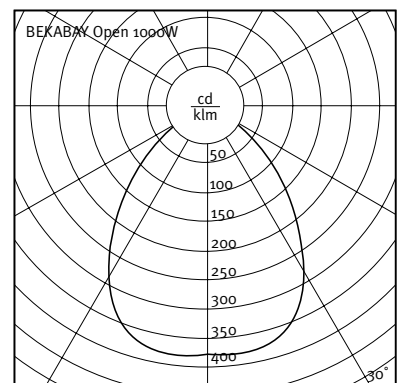
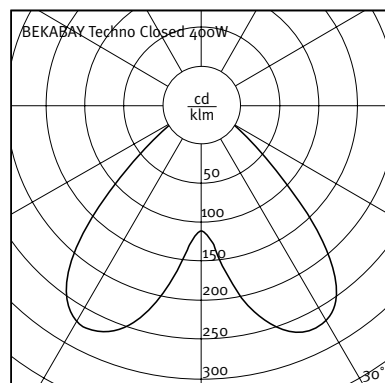
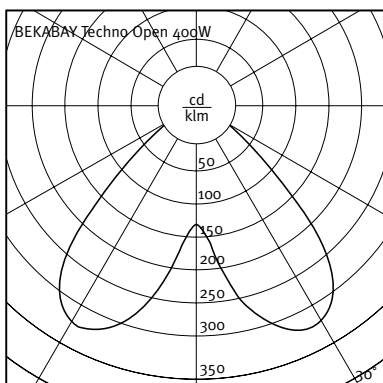
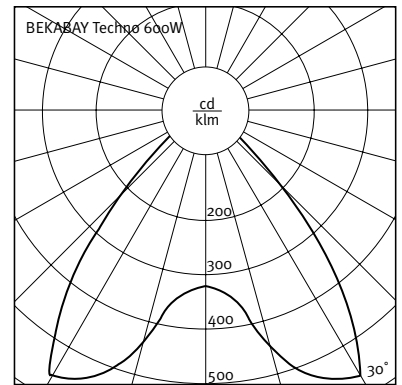
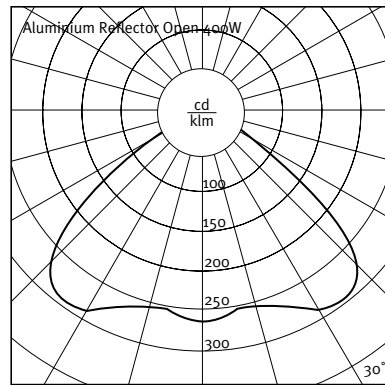
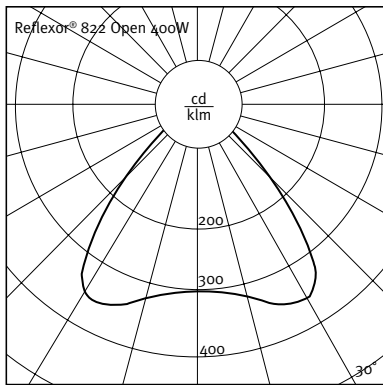


600W with Techno Reflector Open




LIGHT DISTRIBUTIONS

INTENSITY DISTRIBUTION

Electronic data files can be downloaded from www.beka-schreder.co.za/knowledge-base



ORDERING DATA

DESCRIPTION	LAMP	LUMEN	MASS (KG)
BEKABAY 250W MV	HME 250W	13 000	7
BEKABAY 400W MV	HME 400W	22 000	8.5
BEKABAY 150W HPS	HSE 150W	14 500	6.5
BEKABAY 250W HPS	HSE 250W	27 000	7
BEKABAY 400W HPS	HSE 400W	48 000	8.5
BEKABAY 600W HPS	HST 600W	90 000	24
BEKABAY 1000W HPS	HSE 1000W	120 000	25
BEKABAY 250W MH	HIE 250W coated	19 000*	7
BEKABAY 400W MH	HIE 400W coated	42 000*	8.5
BEKABAY 600W MH	HIT 600W coated	55 000	14.2
BEKABAY 1000W MH	HIE 1000W coated	100 000*	25
REFLECTOR OPTIONS		MAX RATING	MASS (KG)
	Reflector BEKABAY Open	400W	1.3
	Reflector BEKABAY Open	1000W	1
	Reflector BEKABAY Closed	400W	2.1
	Reflector BEKABAY Closed	1000W	1.8
	Reflector BEKABAY Techno Open	600W	0.8
	Reflector BEKABAY Techno Closed	600W	2.5
	Reflexor® 816 Open	250W	1.5
	Reflexor® 822 Open	400W	3
	Reflexor® 816 Closed	150W	2
	Reflexor® 822 Closed	250W	4.5
	Reflexor® 825 Closed	400W	5

*Lumen output refers to enclosed luminaire version.
 Special metal halide lamps to be used for open reflector version.
 Standard colour: Natural aluminium

OPTIONS AND ACCESSORIES

ELECTRICAL	
Switching control	Autolight assembly complete with 250W TH lamp Power change-over unit (for HPS version only)
Connection	Cabtyre 0.75mm ² 3-core with 5A plug (specify length)
MECHANICAL	
Protector	Enclosed version with polycarbonate protector (up to 400W max. with Techno closed version only)
Mounting	Anti-vibration mounting assembly
Colour	Painted gear housing, specify colour
Extras	Wireguard Remote gear housing
EXPLOSION PROOF	
Classification	Zone 2 versions available (see Ex Classified Luminaires brochure)

Designed and manufactured by BEKA Schröder (Pty) Ltd - South Africa
Manufacturers of Luminaires and Glass Fibre Poles

06/14



BEKA Schröder (Pty) Ltd | 13 West View Road | P.O. Box 120 | Olifantsfontein | 1665 | South Africa
 T: +27 11 238 0000 | F: +27 11 238 0180
 info@beka-schreder.co.za | www.beka-schreder.co.za