

REVO-LB



■ REVO LB (Low Bay Industrial Luminaires)

LOW BAY INDUSTRIAL LUMINAIRES



The REVO-LB luminaires have been developed as a new series to be used on low ceilings (Low Bay) adding to our successful energy-saving product line of REVO luminaires, which are already in great demand as high-ceiling (High Bay) luminaires, giving an energy-saving alternative to the HID luminaires at high level. The REVO-LB luminaires will now eliminate the low-ceiling related problems of plants. This is possible due to the significant energy-saving capabilities of the REVO-LB range compared to the batten type waterproof fluorescent luminaires, and many other additional advantages for low level applications.

ENERGY SAVING

The efficient reflector technology used on all of the luminaires of the REVO-LB series provides a much greater amount of energy saving in comparison with the gas discharge luminaires and the fluorescent batten style waterproof luminaires. The new REVO-LB, a 2x80 W REVO-LB luminaire provides the same amount of lumen based on an empirical approach, compared to two 2x58 W batten style waterproof luminaires. The energy saving will, therefore, be approximately 20% and the requirement for the luminaires and installations will be reduced by half. Consequently the REVO-LB shows savings in the initial investment cost (luminaires + installation) as well as in the operating costs.



SMOOTH OPERATION

High-pressure luminaires have short lifetime spans when compared with the lifetime of T5 bulbs used in the REVO-LB range. As an example, the lifetime for Mercury is 4000 hours, and 8000 hours for HID, while the T5 has an impressive 23,000-hour lifetime. This shows that the HID's will be replaced 3 times, and Mercury lamps replaced 8 times during the lifespan of a T5 bulb. Through this example one can see the amount that could be saved on the labour associated with bulb replacement alone. The short life span of batten style waterproof luminaires requires the plant to carry out frequent maintenance. The long life components and materials of the REVO luminaires eliminate the requirement for constant lighting maintenance for several years.



REVO-LB

Low Bay Industrial Luminaires

- ✓ High purity reflector
 - ✓ Natural glass with constant transmittance
 - ✓ With protective sealing, stable levels of illuminance without dirt
 - ✓ Lifetime guaranteed
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- ✓ Performance-guaranteed. Long lifetime, including the bulbs with ambient temperatures up to **45°C**. Internal heat control of the luminaire is designed for the bulb and ballast to be operated at optimum temperatures.



20% Energy Saving with half the number of REVO-LBs.



50%
Saving on
Luminaires



GENERAL FEATURES

BODY	: RAL7035 PAINTED, DKP SHEET STEEL
REFLECTOR	: HIGH PURITY BRIGHT ANODIZED ALUMINIUM(MIRO4)
DIFFUSOR	: TEMPERED TRANSPARENT GLASS COVERED WITH SAFETY FILM
BALLAST	: ELECTRONIC BALLAST
LIGHT SOCKET	: T5 LAMP STANDARD G5 SOCKET
EMC	: LIMITED ELECTROMAGNETIC FIELD
VOLTAGE	: 220-240V AC
APPLICATIONS	: SURFACE MOUNTED, PENDANT

OPTIONS

- EMERGENCY KIT
- INOX BODY
- ALUMINIUM and PC FRAME
- IP65 CONNECTOR



Tempered and high temperature resistant film covered transparent glass



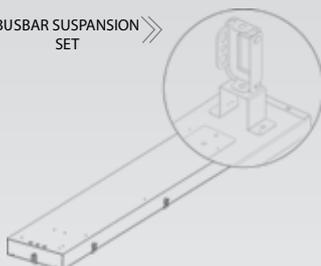
Easy cable connection, without open the glass.



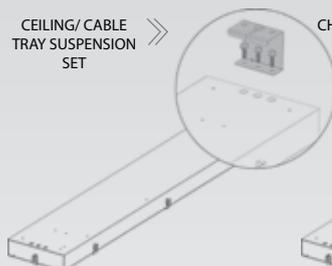
Stainless steel tension lock

HANGING KITS

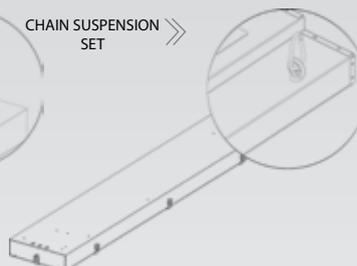
BUSBAR SUSPANSION SET



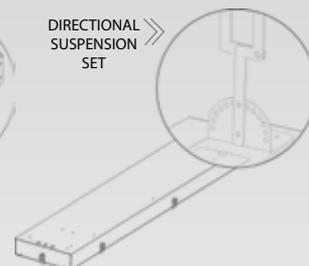
CEILING/ CABLE TRAY SUSPENSION SET



CHAIN SUSPENSION SET



DIRECTIONAL SUSPENSION SET



The hanging accessories are ordered separately.

REVO-LB



AREA : 100 x 100 m
 HEIGHT : 5 m
 LIGHTING LEVEL : 250 lux



COMPARISON TABLE BETWEEN METAL HALIDE LUMINAIRE AND REVO-LB



250 HID



2x80 W REVO-LB

REVO-LB fittings provide 34 % energy saving when compared to high intensity metal halide fittings.

ENERGY

TECHNICAL COMPARISON

	250 HID	2x80 W REVO-LB
Quantity of luminaire (pcs)	210	225
Quantity of lamp (Pcs)	210	420
Lamp Life (hr)	8.000	23.000
Lamp Power (W)	250	160
Ballast / ignitor losses (W)	30	12
Luminaire system power (W)	280	172
Installed power (KW)	58.8	38.7
ENERGY SAVING RATIO		%34

COST

ANNUAL OPERATION COST

	250 HID	2x80 W REVO-LB
Annual lamp replacement cost (€)	2,041,20	185,95
Operation hours (hrs/day)	12	12
Operation period (days/year)	300,0	300,0
Operation hours (hrs/year)	3,600	3,600
Electricity price (€/kwh)	0,10	0,10
Annual energy cost (€)	21,168,00	13,932,00
Annual operation cost (€/year)	23,209,20	14,117,95
OPERATION COST SAVING RATIO		%39



PRODUCT CODES

Models With No Cover IP20

LUMINAIRE MODELS	Power	DIMENSIONS (a-b-h)
MN2 1x TL549U-SP/OA LB	1 x 49 W	1521 x 167 x 60,5
MN2 1x TL554U-SP/OA LB	1 x 54 W	1221 x 167 x 60,5
MN2 1x TL580U-SP/OA LB	1 x 80 W	1521 x 167 x 60,5
MN2 2x TL549U-SP/OA LB	2 x 49 W	1521 x 220 x 60,5
MN2 2x TL554U-SP/OA LB	2 x 54 W	1221 x 220 x 60,5
MN2 2x TL580U-SP/OA LB	2 x 80 W	1521 x 220 x 60,5
MN2 3x TL549U-SP/OA LB	3 x 49 W	1521 x 280 x 60,5
MN2 3x TL554U-SP/OA LB	3 x 54 W	1221 x 280 x 60,5
MN2 3x TL580U-SP/OA LB	3 x 80 W	1521 x 280 x 60,5

Tempered Glass Covered Models IP65

LUMINAIRE MODELS	Power	DIMENSIONS (a-b-h)
MN2 1x TL549U-SP/CM LB	1 x 49 W	1521 x 167 x 60,5
MN2 1x TL554U-SP/CM LB	1 x 54 W	1221 x 167 x 60,5
MN2 1x TL580U-SP/CM LB	1 x 80 W	1521 x 167 x 60,5
MN2 2x TL549U-SP/CM LB	2 x 49 W	1521 x 220 x 60,5
MN2 2x TL554U-SP/CM LB	2 x 54 W	1221 x 220 x 60,5
MN2 2x TL580U-SP/CM LB	2 x 80 W	1521 x 220 x 60,5
MN2 3x TL549U-SP/CM LB	3 x 49 W	1521 x 280 x 60,5
MN2 3x TL554U-SP/CM LB	3 x 54 W	1221 x 280 x 60,5
MN2 3x TL580U-SP/CM LB	3 x 80 W	1521 x 280 x 60,5

