

KEYLIGHTING

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General

Our LOWBAY range is a highly efficient way of illuminating large areas in warehousing, retail or sports halls. Available with 150, 250 & 400 watt discharge control gear in SON, HQI or MBFU (not available in 150 watt) with either standard or high rack reflectors.

Construction

The body is made from 0.8mm zinc plated steel CNC punched & folded to create an accurate body & geartray. The steel body is degreased & iron phosphate treated prior to post painting with epoxy polyester powder paint in RAL9003 70% gloss. The geartray is from 1mm steel & the Philips components are directly mounted onto it, either clipped in or bolted with nylok nuts. The reflector has a hammer tone pattern to give a broad even distribution of light. The high rack reflector has precise angles to give a tight, accurate narrow distribution for high mounting (above 5m) giving a high luminance on the floor between racks.

The SPORTS HALL version is available in metal halide only & incorporates double protection of the lamp, a toughed glass cover & a flat polycarbonate diffuser. The extra strong body can with stand the rigors of the sports hall environment. This version must also be used where a polycarbonate sheet is required with 400 w Son.

Assembly

All the Philips control gear is directly affixed to the chassis with clips or Nylok nuts. The wire is 1.5 mm single solid silicon coated rated at 5000V 180°C. Terminal block accepts wires up to 2.5mm.

Dimensions 590 x 290 x 180.

Packing

All lowbays are individually boxed, box dims 600 x 300 x 200

Installation

The lowbay fitting has two besa box fixings at 400mm centres on the back of the fitting. One goes directly in to the gear compartment the other is purely for use as suspension. Lowbays can be directly mounted to trunking if required. Feed cable into the fitting should be no less than 1mm x-sectional area.

Running & Start-Up Currents

LAMP TYPE	RUNNING CURRENT	START CURRENT	QTY PER 16 AMP BREAKER	CIRCUIT WATTS	WEIGHT Kg
MBFU					
250	1.35	2.2	4	271	7.30 kg
400	2.15	3.9	2	423	8.31kg
SON					
150	0.85	1.2	6	168	7.0kg
250	1.4	2.3	4	276	8.35kg
400	2.2	3.6	2	430	10.05kg
600	3.1	4.9	1	634	12.2kg
HQI					
150	0.45	0.6	6	168	7.0kg
250	1.35	2.2	4	271	7.30kg
250 HIGH OUT PUT	1.4	2.3	4	276	8.35kg
400	2.15	3.9	2	423	8.31kg
400 HIGH OUTPUT	2.2	3.6	2	430	10.05kg

Accessories

LOBY-DIF	Dished polycarbonate sheet
LOBY-GUARD	Wire guard for lowbay
LOBY-GLASS	Toughend glass
LB-REF-HR	High rack reflector
LRM	Lamp recognition monitor 200 watt Tungsten Halogen instant light facility