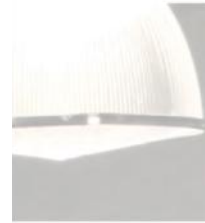


T5 High / Low Bay Industrial Light

Long Life, Low Maintenance, UK-Built

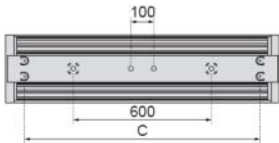
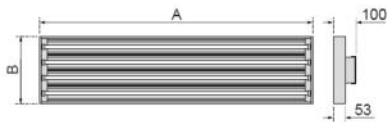


A general purpose T5 fluorescent high-bay luminaire for direct mounting either to trunking or ceiling plus the capability for suspension by chain or steel wire. The white powder coated slimline steel body, complete with specular aluminium reflector, presents a low profile inconspicuous appearance. Available with digital dimming, integral emergency and energy management systems. With its relatively narrow distribution the light is designed for 6 - 8m mounting heights and is ideal for retail, racking, storage areas and general meeting halls.

- Rigid white powder coated steel construction
- 100mm deep low profile design
- Suspension, trunking and ceiling mounting
- Dimmable versions available
- Integral emergency options
- Optional integral PIR / Motion detector system

SPECIFICATION

To specify state the following:
Rigid steel constructed low profile fluorescent luminaire c/w specular aluminium reflector for use 4 / 6 / 8 x T5 lamps in the range 28 / 35 / 49 / 54 / 80W. Optional alternate lamp switching, high frequency, digital dimming, PIR / Motion detector energy management and emergency systems. Surface, suspension and trunking mounting capability.



Materials and Design

All steel components are manufactured from 0.90mm thick white powder coated mild steel. Reflector is manufactured from 0.40mm ultra high purity anodized aluminium. Integral gear assembly is located on the rear of the luminaire and is accessed by the removal of rear gear cover.

Installation

The fitting has the capability for suspension or direct mounting either to trunking or ceiling. Trunking and ceiling mounting is via the fixing holes on the rear of the gear housing which spaces the body at a sufficient distance from the mounting surface to enable air flow, and cooling of the lamps. Suspension, by chain or steel wire, is via four fold-up tags in the rear of the gear housing.

Electrical

Cable entry to the luminaire is made through either two 20mm knock-outs in the rear of the gear housing or through a 20mm dia knock-out either end of the luminaire. A 42.75x16.6mm covered hole which allows various panel mounted plug/socket arrangements is on the end of the gear housing. Electrical connections are via either a 3 way polyamide screwed terminal strip or a fused terminal strip which is available on request. 240 Volt, 50Hz nominal supply.

Classification for Protection

Against electric shock Class 1 protected with earthed metalwork. It is important that this product is electrically installed according to the relevant IEE Regulations. Against ingress of dust and moisture IP20 Technical Specification.

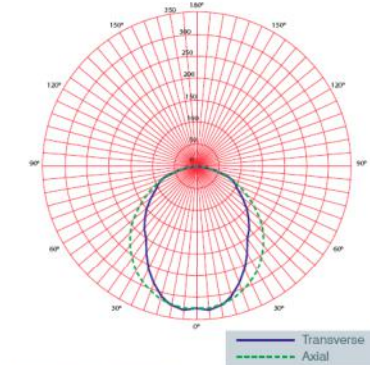
Standards

The excellent range of luminaires is designed and manufactured to meet the requirements of BS EN 60598 2-1.

OPTIONS & ACCESSORIES

- 3hr maintained integral emergency. To order add EM to the end of the product codes opposite, e.g. LBG428HFLEM and add 1.0kg to the weights indicated in the table opposite.
- Integral automatic self-test emergency options are available on request. Add 1.0kg to the weights indicated in the table opposite.
- Dimming options are available on request including DSI/DALI digital versions.
- Various 240 Vac plug/socket designs and cable lengths are available on request.
- Integral PIR / Motion detection and energy management systems available on request.
- Alternate switching available on request.
- Suspension kit available on request.

Photometry



Product Code: LBG480HFL
Lamp: 4x80W T5
Light Output Ratio: Up: 0.00 Down: 0.83 Total: 0.83
Spacing to Height Ratios: SHR NOM 1.25 SHR MAX 1.39

Utilisation Factors UF(F)

Room Reflectances	Room Index	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.48	0.57	0.62	0.67	0.72	0.76	0.79	0.83	0.85
0.50	0.50	0.20	0.47	0.55	0.60	0.64	0.70	0.74	0.78	0.80	0.82
0.00	0.00	0.00	0.35	0.43	0.48	0.52	0.58	0.62	0.65	0.69	0.71

Ordering Information

(Luminaires supplied c/w lamps)

Code	Dimensions			
	HF Ballast	A (mm)	B (mm)	C (mm)
4 x 28W	LBG428HFL	1192	296	1000
6 x 28W	LBG628HFL	1192	434	1000
8 x 28W	LBG828HFL	1192	572	1000
4 x 35W	LBG435HFL	1492	296	1300
6 x 35W	LBG635HFL	1492	434	1300
8 x 35W	LBG835HFL	1492	572	1300
4 x 49W	LBG449HFL	1492	296	1300
6 x 49W	LBG649HFL	1492	434	1300
8 x 49W	LBG849HFL	1492	572	1300
4 x 54W	LBG454HFL	1192	296	1000
6 x 54W	LBG654HFL	1192	434	1000
8 x 54W	LBG854HFL	1192	572	1000
4 x 80W	LBG480HFL	1492	296	1300
6 x 80W	LBG680HFL	1492	434	1300
8 x 80W	LBG880HFL	1492	572	1300

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