

## LED High Bay

### HBR-V

Techlumen industrial high bay LED luminaires HBR-V series, offer powerful, reliable economical lighting.

It is circular in shape and has low volume. The smart design keeps working temperature low leading to long life and high efficiency. It comes with a variety of optics selection, with a range of 30° to 120°.

It is waterproof/dustproof with IP rating IP66. It is an ideal solution for industrial lighting and for spaces with sensitive material such as food processing.

HBR reaches luminous power up to 35768 lm and efficacy of 200 lm/W.

HBR has L70 rating >100000h.

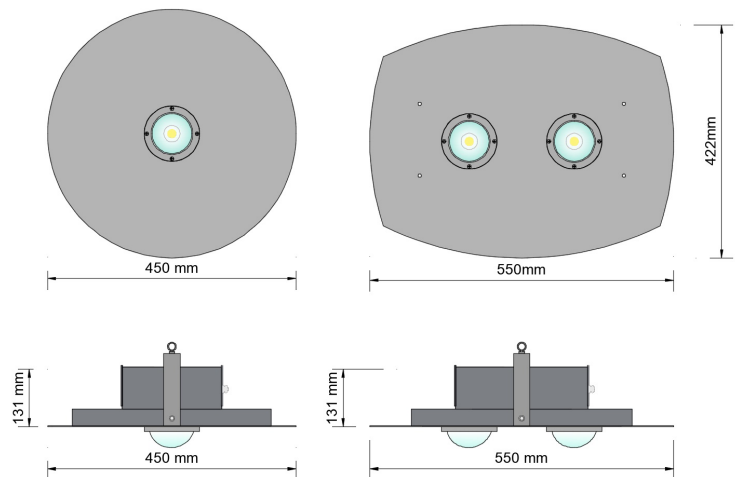
The 54W version offers more luminosity than HPS 250W systems, the 70W version replaces HPS 400W systems. The HBR has 5 years warranty and the LED chip has 10 years warranty.



### Dimensions

31W, 36W, 54W, 70W, 96W,  
130W, 145W, 160W

110W, 140W, 192W



DALI

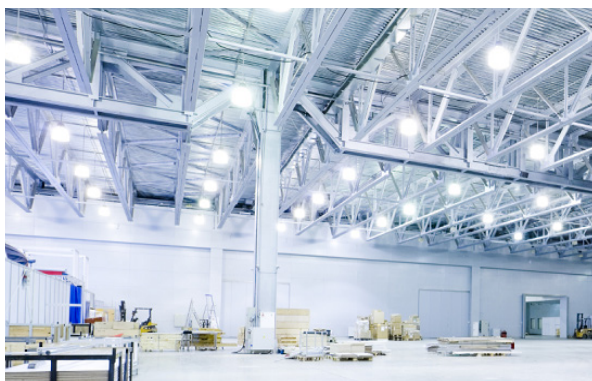
0-10V

Em 3h

BLUE  
TOOTH

DIM to  
WARM

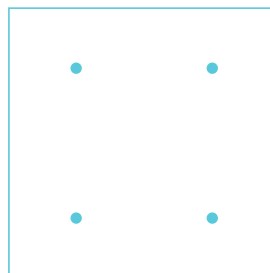
TUNABLE  
CCT



Manufactured in Greece



### Performance Guide



Fixture	HBR-R90-750-54
Illuminance	300lx
Uniformity	0.66
Spacing	5.0m X 5.0m
Maintenance	0.8
Reflectance	70/50/20
Ceiling Height	6.0m
Working plane	0.8m







Type	HBR-V Series
Luminous Flux	4456 lm - 36900lm
Power	31W - 192W
Ambient Temperature	-30 °C - + 50 °C
Efficacy	154 - 206 lm/W
Power Factor	0,95
CRI	70 - 80
CCT	3000K - 6500K
IP Rating	IP66
IK Rating	IK10
Body	Aluminium
Finishing	Powder Coating - RAL selection
Dimensions	Φ450mm X 131mm / 550mm x 422mm
Weight	6.7 - 8.4 Kg
Warranty	5 years
Compliances:	EN 60598-1:2008 +A11:2009 EN 60598-2-1 EN 50581 EN 61000-3-2:2006 + A1:2009 + A2:2009 EN 61547:2009 EN 55015:2006 + A1:2007 +A2:2009 EN 61000-3-3:2008 EN 62471:2008 IEC 62778 EN 62493:2010 Directive (LVD) 2014/35/EU Directive (EMC) 2014/30/EU Directive (RoHS) 2011/65/EC Directive (REACH) 2006/1907/EC Directive (EuP) 2009/125/EC Directive (GPS) 2001/95/EU

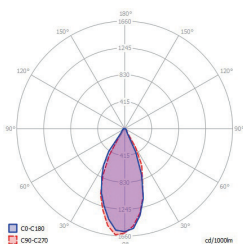
- CRI 90 upon request

HBR-V series Versions					
Watt	Code	CCT	CRI	Lumen	Lm/W
31W	HBR-620-31	2000	65	4456	146
	HBR-830-31	3000	80	4780	157
	HBR-835-31	3500	80	4907	161
	HBR-840-31	4000	80	4954	163
	HBR-750-31	5000	70	5422	178
	HBR-850-31	5000	80	5096	167
	HBR-757-31	5700	70	5232	172
	HBR-857-31	5700	80	5097	167
	HBR-765-31	6500	70	5327	175
	HBR-865-31	6500	80	5190	170
36W	HBR-620-36	2000	65	5397	149
	HBR-830-36	3000	80	5823	161
	HBR-835-36	3500	80	5944	164
	HBR-840-36	4000	80	6000	166
	HBR-750-36	5000	70	6567	181
	HBR-850-36	5000	80	6173	170
	HBR-757-36	5700	70	6337	175
	HBR-857-36	5700	80	6053	167
	HBR-765-36	6500	70	6452	178
	HBR-865-36	6500	80	6164	170
54W	HBR-620-54	2000	65	8533	160
	HBR-830-54	3000	80	9121	171
	HBR-835-54	3500	80	9394	176
	HBR-840-54	4000	80	9486	178
	HBR-750-54	5000	70	10382	195
	HBR-850-54	5000	80	9758	183
	HBR-757-54	5700	70	10017	188
	HBR-857-54	5700	80	9637	181
	HBR-765-54	6500	70	10199	191
	HBR-865-54	6500	80	9814	184
70W	HBR-620-70	2000	65	11889	169
	HBR-830-70	3000	80	12710	181
	HBR-835-70	3500	80	13091	186
	HBR-840-70	4000	80	13218	188
	HBR-750-70	5000	70	14488	206
	HBR-850-70	5000	80	13619	194
	HBR-757-70	5700	70	13980	199
	HBR-857-70	5700	80	13428	191
	HBR-765-70	6500	70	14235	203
96W	HBR-620-96	2000	65	15410	158
	HBR-830-96	3000	80	16185	169
	HBR-835-96	3500	80	16670	174
	HBR-840-96	4000	80	16832	176
	HBR-750-96	5000	70	18450	193
	HBR-850-96	5000	80	17344	181
	HBR-757-96	5700	70	17803	186
	HBR-857-96	5700	80	17100	179
	HBR-765-96	6500	70	18127	190
	HBR-865-96	6500	80	17474	182

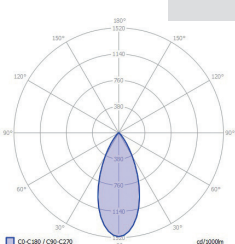
HBR-V series Versions					
Watt	Code	CCT	CRI	Lumen	Lm/W
110W	HBR-620-110	2000	65	17066	160
	HBR-830-110	3000	80	18242	171
	HBR-835-110	3500	80	18788	176
	HBR-840-110	4000	80	18972	178
	HBR-750-110	5000	70	20764	195
	HBR-850-110	5000	80	19516	183
	HBR-757-110	5700	70	20034	188
	HBR-857-110	5700	80	19274	181
	HBR-765-110	6500	70	20398	191
	HBR-865-110	6500	80	19628	184
130W	HBR-827-130	2700	80	20676	159
	HBR-830-130	3000	80	21125	162
	HBR-835-130	3500	80	21596	166
	HBR-840-130	4000	80	21618	166
	HBR-750-130	5000	70	22559	173
	HBR-850-130	5000	80	21796	167
	HBR-757-130	5700	70	22115	170
	HBR-857-130	5700	80	21125	162
	HBR-765-130	6500	70	22284	171
	HBR-865-130	6500	80	21321	164
140W	HBR-620-140	2000	65	23778	169
	HBR-830-140	3000	80	25420	181
	HBR-835-140	3500	80	26182	186
	HBR-840-140	4000	80	26436	188
	HBR-750-140	5000	70	28976	206
	HBR-850-140	5000	80	27238	194
	HBR-757-140	5700	70	27960	199
	HBR-857-140	5700	80	26856	191
	HBR-765-140	6500	70	28470	203
	HBR-865-140	6500	80	27350	195
145W	HBR-827-145	2700	80	22298	154
	HBR-830-145	3000	80	22783	157
	HBR-835-145	3500	80	23428	161
	HBR-840-145	4000	80	23510	162
	HBR-750-145	5000	70	24500	169
	HBR-850-145	5000	80	23812	164
	HBR-757-145	5700	70	22189	166
	HBR-857-145	5700	80	21796	157
	HBR-765-145	6500	70	23924	165
	HBR-865-145	6500	80	23029	159
160W	HBR-827-160	2700	80	23879	149
	HBR-830-160	3000	80	24418	152
	HBR-835-160	3500	80	24987	156
	HBR-840-160	4000	80	25028	156
	HBR-750-160	5000	70	26424	165
	HBR-850-160	5000	80	25347	158
	HBR-757-160	5700	70	25697	160
	HBR-857-160	5700	80	24398	152
	HBR-765-160	6500	70	25698	160
	HBR-865-160	6500	80	24722	154
192W	HBR-620-192	2000	65	30820	158
	HBR-830-192	3000	80	32370	169
	HBR-835-192	3500	80	33340	174
	HBR-840-192	4000	80	33664	176
	HBR-750-192	5000	70	36900	193
	HBR-850-192	5000	80	34688	181
	HBR-757-192	5700	70	35606	186
	HBR-857-192	5700	80	34200	179
	HBR-765-192	6500	70	36254	190
	HBR-865-192	6500	80	34948	182

## Polar Intensity Diagram

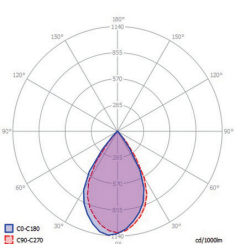
30°



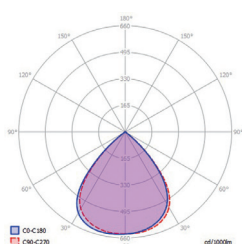
45°



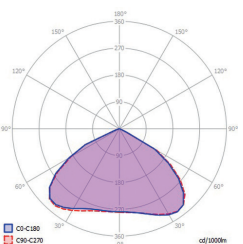
60°



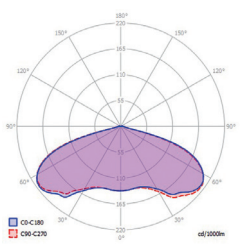
90°



120°



Wide



**AFOI TSIOLAKI OE**  
 Industrial Zone of Thessaloniki  
 Greece  
 T: +302310 798 335  
 F: +302310 799 868

e-mail: [info@techlumen.gr](mailto:info@techlumen.gr)  
[www.techlumen.gr](http://www.techlumen.gr)

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