

LED High-Bay

- 65% energy saving over 400W metal halide luminaires
- Ideal for cold store applications, down to -30°C
- Emergency version available as standard, advantage over HID solutions
- Instant white light, no re-strike run up or delay time as associated with HID lamps
- Racking aisle or open area optics maximising spacing and uniformity

Lamp and Control Gear Options

- Multi-die LED chip array
- High frequency control gear as standard

Materials

- Aluminium housing finished in white RAL9016 powder coat paint finish
- Clear polycarbonate optical lens
- Aluminium reflector

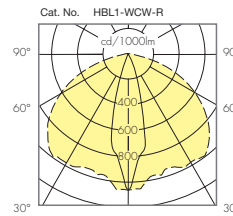
Options

- Integrated 3hr maintained emergency option and high output option
- Output selection via switching and/or dimming of the LED arrays. Select the appropriate Gear Box for the required function.
- Racking aisle or open area optic choices
- Project specific optics can be developed where appropriate

LED Chip Performance @ +25°C Ambient

Circuit Watts (W)	Chip lumens (lm)
28.4	2200
56.8	4400
85.2	6600
113.6	8800
142.0	11000

Photometric Data

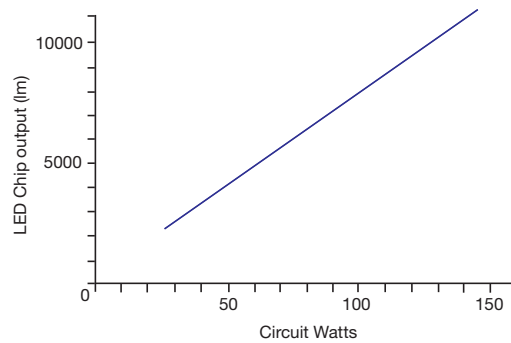


LOR: 100%
ULOR: 100%
DLOR: 100%
SHR nom: 0.50
SHR max: 0.547

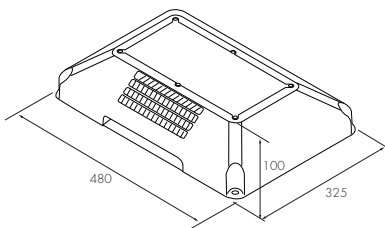
Utilisation factors / TMS			Room Index								
Reflectances			0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
C	W	F									
70	50	20	62	72	79	84	91	96	99	103	105
	30		55	65	72	78	86	91	94	99	102
	10		50	60	67	73	81	87	91	96	100
50	50	20	61	70	77	82	88	92	95	99	101
	30		54	64	71	76	83	88	91	96	99
	10		50	59	66	72	80	85	88	93	96
30	50	20	59	68	75	79	85	89	92	95	97
	30		54	63	70	75	81	86	89	93	95
	10		49	59	66	71	78	83	86	91	94
0	0	0	47	56	63	68	75	79	82	86	89
BZ-Class			3	3	3	3	3	3	3	3	3

Luminaire lumens at 142W, +25°C = 8800lm

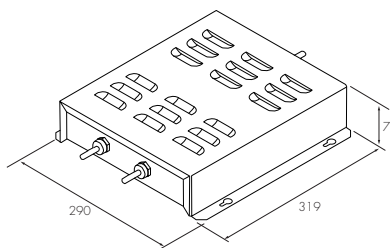
LED Chip Performance @ +25°C Ambient



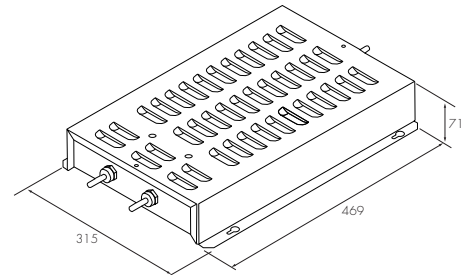
Dimensions



Luminaire head unit



Standard gearbox



Emergency gearbox

Catalogue Numbers

Lamp Option	Cat No	Description	Weight (kg)
LED Array	HBL1-WCW-R	LED High-Bay IP65 (Rack optic)	6.3
LED Array	HBL1-WCW-M	LED High-Bay IP65 (Medium optic)	6.3
LED Array	HBL1-WCW-W	LED High-Bay IP65 (Wide optic)	6.3
-	HBL1-GB	Remote gear box (IP20)	3.0
-	EBHBL1-GB	Remote gear box with emergency (IP20)	3.3
-	HBL1-GBD	Remote gear box with Dimming (IP20)	3.0
-	EBHBL1-GBD	Remote gear box with Dimming and Emergency (IP20)	3.3
-	EBHOB1-GB	Remote gear box with high output emergency (IP20)	3.6

Primary product for an optimised energy efficient lighting solution

Cooper Lighting and Safety Ltd
Wheatley Hall Road, Doncaster, South Yorkshire. DN2 4NB
Web: www.cooper-ls.com E-mail: info@cooperindustries.com Tel: 01302 303303