

LED PERFORMANCE HIGHBAY G4



Highlights:

- Available in 3 wattages, 100w, 150w & 200w;
- IP66 & IK08 protection;
- Long 100,000hrs lifetime

Application Areas:

- Warehouse;
- Factory;
- Public area;

Advancing Light

One of the World's leaders in general lighting for lighting professionals as well as end users, offering



A broad variety of LED luminaires



Advanced LED lamps



Intelligent, networked Smart Home & Smart Building solutions



Traditional light sources



LED PERFORMANCE HIGHBAY G4

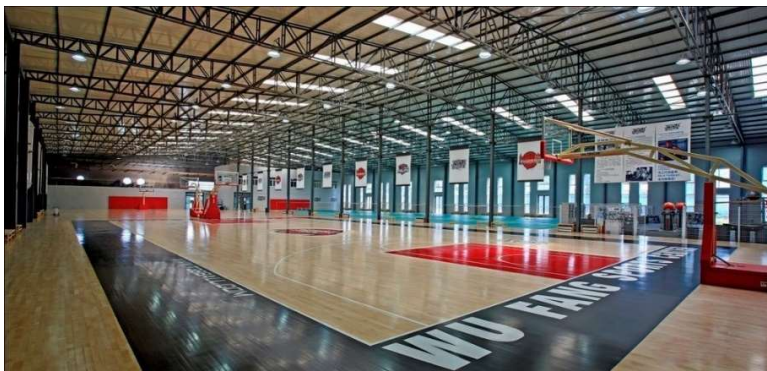


Product features:

- Available in, 100w, 150w and 200w
- 100-277V AC input;
- Standard CCT: Standard 6500K and 4000K
- High color rendering: CRI ≥ 80
- High power factor: PF ≥ 0.90
- 160lm/w, 100,000hrs lifespan @25°C
- IP66, IK08 protected
- Pre-wired with 500mm cable

Product benefits:

- Energy saving thanks to 160lm/w system efficacy;
- Die-cast housing, UV resistant PC lens offer a durable service;
- Long 100,000hrs lifetime reduces maintenance costs;
- Safety compliance certificates: CB, EMC RoHS 2.0



Application Areas:

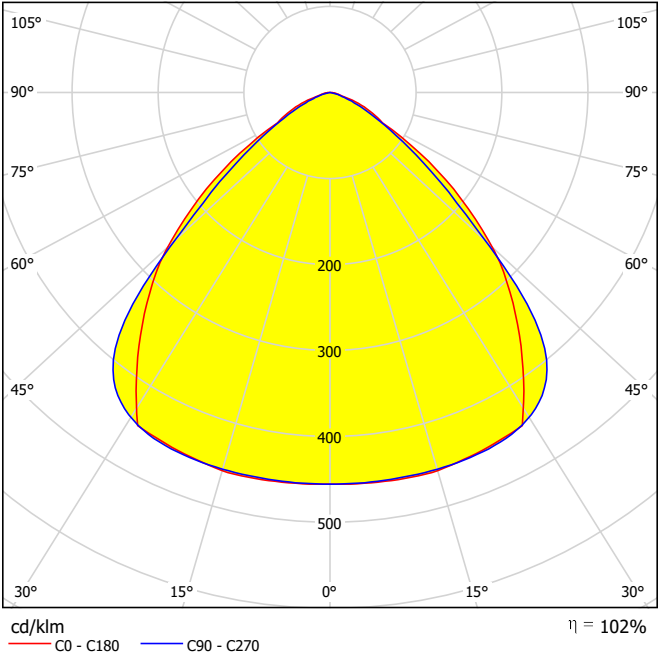
- Common Industry and commercial lighting application
- Warehouses lighting application
- Public space (Airport, station and indoor stadium)

Product Information

LED PERFORMANCE HIGHBAY G4				
Electrical Data	Wattage (W)	100W	150W	200W
	Voltage range	100 - 277VAC		
	Power factor	≥0.9		
	Input current@230V	460mA	700mA	850mA
	Inrush current@230V	15A	29A	70A
	Inrush time@230V	500us	500us	500us
	Line frequency	50/60Hz		
	Surge Protection	L-N≥ 4000V,LN-G≥6000V		
	THD	≤ 20 %@100-277V; ≤10%@230V		
	Protection class	Class I		
Photometric	Rated lumens	16000lm	24000lm	32000lm
	CCT (K)	4000 K&6500K		
	Beam angle	90°	90°	60°
	CRI	≥80		
	SDCM	< 5		
	Efficacy	160lm/W		
	LED	SMD 2835		
Operation	Rated lifetime	100,000 hrs @ L80 (Ta=25°C) 50,000 hrs @ L80 (Ta=35°C), 40,000 hrs @ L80 (Ta=50°C),		
	Operating temperature	-30 ~ +50°C		
	Storage temperature	-40 ~ +70°C		
Housing	Housing	Diecast Aluminum		
	Diffuser	PC lens		
	IP &IK grade	IP 66 & IK08		
	Power cord	0.5m		

Polar Intensity Diagram

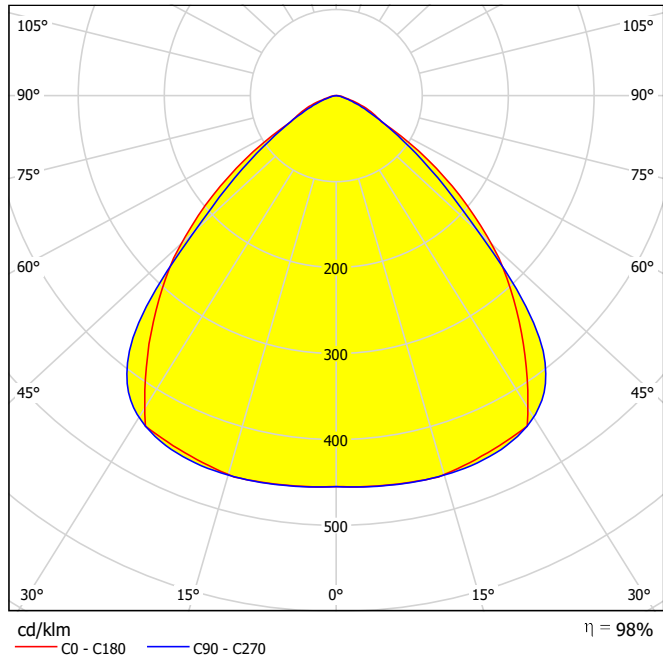
100W



0.5	1.08 1.13	E(0°)	29154
		E(C90)	47.2° 4611
		E(C0)	48.6° 4248
1.0	2.16 2.27	E(0°)	7289
		E(C90)	47.2° 1153
		E(C0)	48.6° 1062
1.5	3.24 3.40	E(0°)	3239
		E(C90)	47.2° 512
		E(C0)	48.6° 472
2.0	4.32 4.54	E(0°)	1822
		E(C90)	47.2° 288
		E(C0)	48.6° 266
2.5	5.40 5.67	E(0°)	1166
		E(C90)	47.2° 184
		E(C0)	48.6° 170
3.0	6.48 6.81	E(0°)	810
		E(C90)	47.2° 128
		E(C0)	48.6° 118
Distance [m]		Cone Diameter [m]	
— C0 - C180 (Half-value Angle: 97.2°)		Illuminance [lx]	
— C90 - C270 (Half-value Angle: 94.4°)			

Polar Intensity Diagram

150W



0.5	1.04 1.10	E(0°)	43661
		E(C90)	7411
		E(C0)	6744
1.0	2.08 2.20	E(0°)	10915
		E(C90)	1853
		E(C0)	1686
1.5	3.12 3.30	E(0°)	4851
		E(C90)	823
		E(C0)	749
2.0	4.16 4.40	E(0°)	2729
		E(C90)	463
		E(C0)	422
2.5	5.20 5.49	E(0°)	1746
		E(C90)	296
		E(C0)	270
3.0	6.23 6.59	E(0°)	1213
		E(C90)	206
		E(C0)	187

Distance [m]

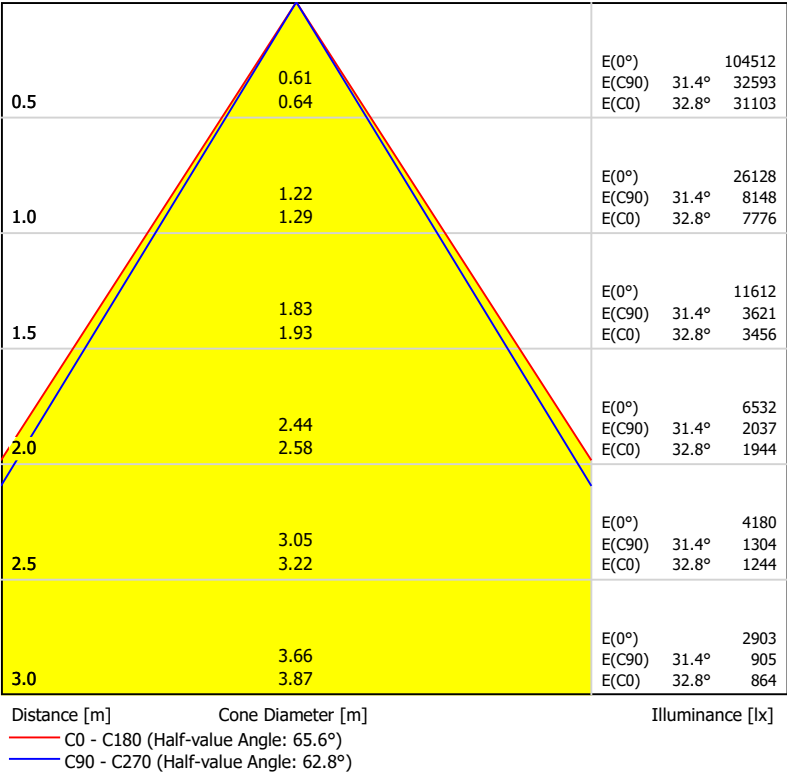
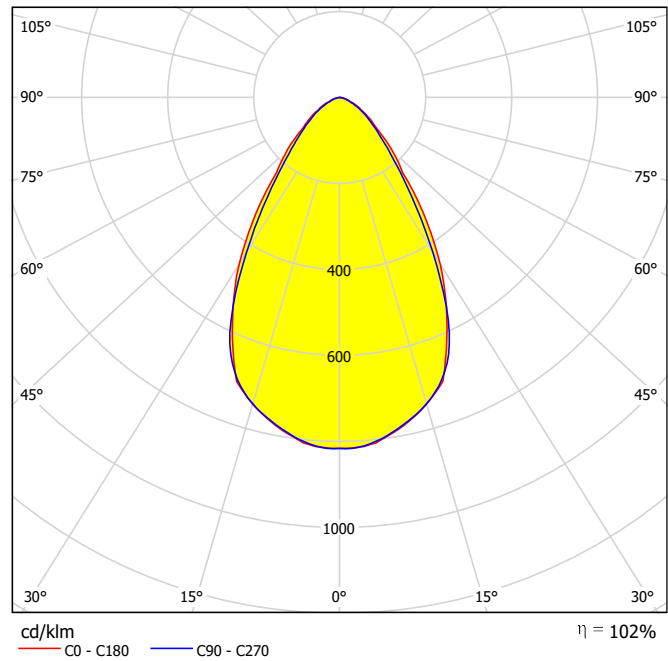
Cone Diameter [m]

— C0 - C180 (Half-value Angle: 95.4°)
— C90 - C270 (Half-value Angle: 92.2°)

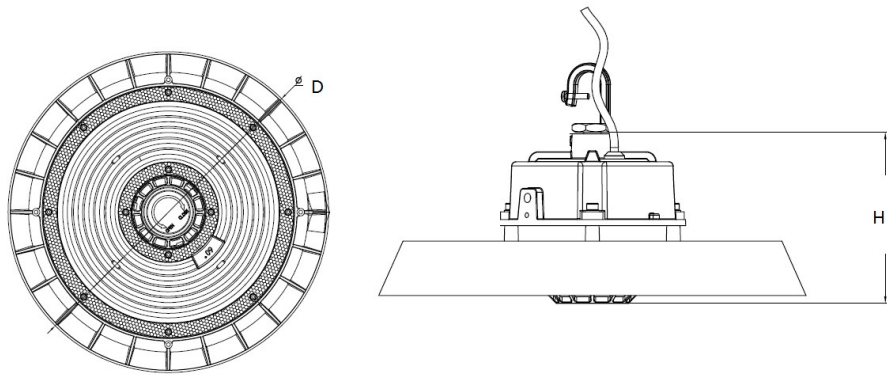
Illuminance [lx]

Polar Intensity Diagram

200W



Drawing/Dimensions

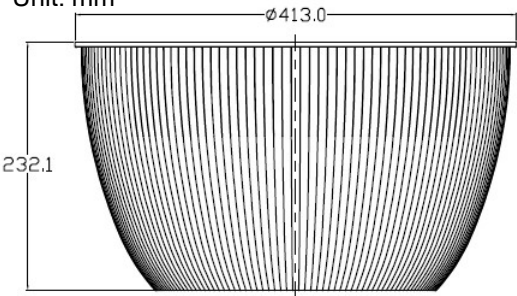


Description	D(mm)	H(mm)	Net Weight(g)
LDPFM HB 100W 865 G4 VS1 EN LEDV LDPFM HB 100W 840 G4 VS1 EN LEDV	298	117	2200g
LDPFM HB 150W 865 G4 VS1 EN LEDV LDPFM HB 150W 840 G4 VS1 EN LEDV	298	117	2200g
LDPFM HB 200W 865 G4 VS1 EN LEDV LDPFM HB 200W 840 G4 VS1 EN LEDV	336	119	2865g

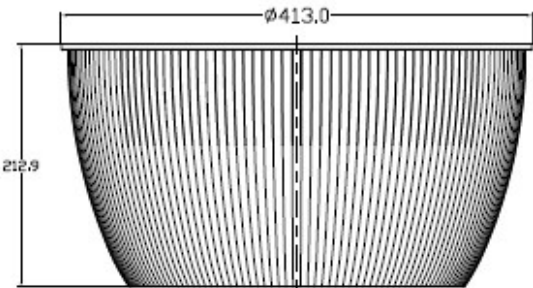


Drawing/Dimensions

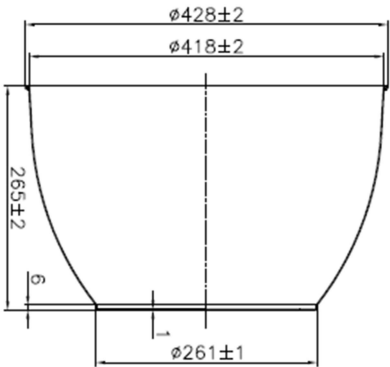
Unit: mm



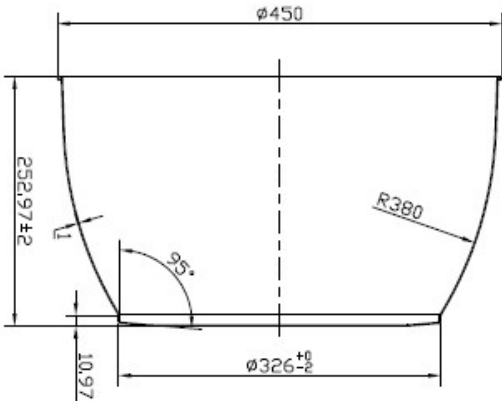
LDPFM HB G4 PC RFT M150 VS10 LEDV



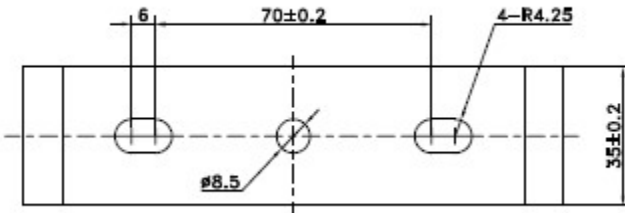
LDPFM HB G4 PC RFT L200 VS10 LEDV



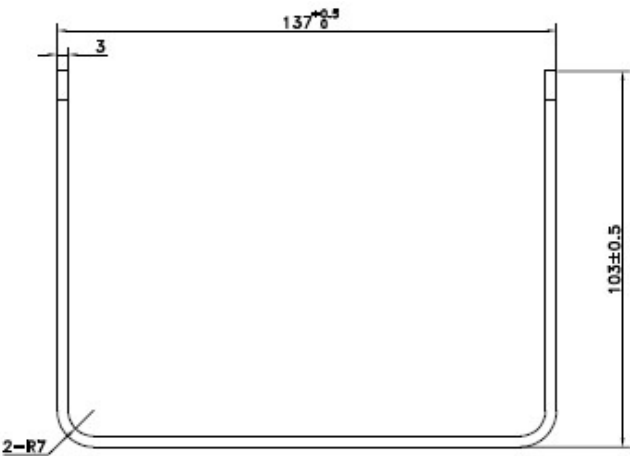
LDPFM HB G4 AL RFT M150 VS10 LEDV



LDPFM HB G4 AL RFT L200 VS10 LEDV



LDPFM HB G4 BRK L200 20X1 LEDV





Ordering Information

Luminaire

Description	Model Name	Shipping Quantity	EAN40
LDPFM HB 100W 865 G4 VS1 EN LEDV	P-HB-100W-WV-865	1	4058075725997
LDPFM HB 150W 865 G4 VS1 EN LEDV	P-HB-150W-WV-865	1	4058075726000
LDPFM HB 200W 865 G4 VS1 EN LEDV	P-HB-200W-WV-865	1	4058075726017
LDPFM HB 100W 840 G4 VS1 EN LEDV	P-HB-100W-WV-840	1	4058075726062
LDPFM HB 150W 840 G4 VS1 EN LEDV	P-HB-150W-WV-840	1	4058075726093
LDPFM HB 200W 840 G4 VS1 EN LEDV	P-HB-200W-WV-840	1	4058075726161

Accessory

Description	Product Name	EAN10	Shipping Quantity	EAN40
LDPFM HB G4 PC RFT M150 VS10 LEDV	100/150W HB PC reflector	NA	10	4058075753822
LDPFM HB G4 PC RFT L200 VS10 LEDV	200W HB PC reflector	NA	10	4058075753839
LDPFM HB G4 AL RFT M150 VS10 LEDV	100/150W HB aluminum reflector	NA	10	4058075753891
LDPFM HB G4 AL RFT L200 VS10 LEDV	200W HB aluminum reflector	NA	10	4058075753907
LDPFM HB G4 BRK L200 20X1 LEDV	100/150/200W HB surface mount bracket	4058075753952	20	4058075753969



PC reflector



Aluminum reflector



Surface mount bracket