



SHENZHEN BREE LIGHTING Co., LIMITED

Bld. M & J, Maoyuan Industrial Park, Zhangkengjing, Guanlan, Baoan, Shenzhen, Guangdong, China

Tel : +86-755-29739398/29676092

Fax: +86-755-89328498

E-mail: sales@breeighting.com

Web: www.breegroup.com

< Specifications. > **MEAN WELL DRIVER** Version:A2



Photoelectric Spec

Item	Power	Input Voltage	Input Frequency	Leds	Power Factor	LuminousFlux	Beam Angle	Weight
BR-HBL50W-03(ID:TA)	50W	AC100-240V	50/60HZ	PHILIPS 3030	>0.95	6000Lm	30°*70°	2.37 kg
BR-HBL100W-03(ID:TA)	100W	AC100-240V	50/60HZ	PHILIPS 3030	>0.95	12000 Lm	30°*70°	3.96 kg
BR-HBL150W-03(ID:TA)	150W	AC100-240V	50/60HZ	PHILIPS 3030	>0.95	18000 Lm	30°*70°	5.45 kg
BR-HBL200W-03(ID:TA)	200W	AC100-240V	50/60HZ	PHILIPS 3030	>0.95	24000 Lm	30°*70°	7.55 kg

Light Source Spec

LED Type	PHILIPS 3030
Color Accuracy(CRI)	CRI>80
Color	WW(3000-3500K) NW (4000-4500K) CW(5000-6500K)

Power options

MEAN WELL DRIVER	HLGseries A:Conventional	HLGseries B:Dimmable 1-10V
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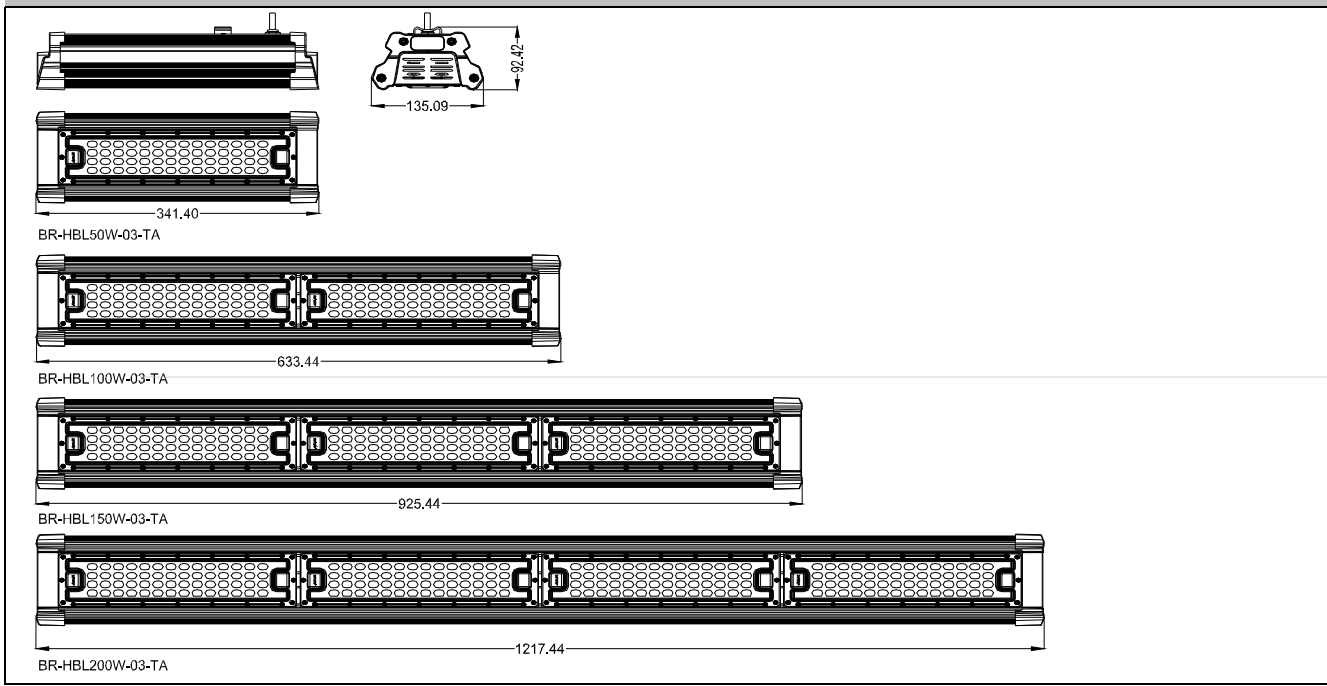
Environment Spec.

Operational Temperature Range	-20~50 °C
Preservation Temperature Range	-40~60 °C
Operational Humidity Range	95% Rh or below(@-20°C~50°C)
Installation Area	Outdoor:IP65(Factory, warehouse, gymnasium,etc)
Lifespan	>50,000 hours

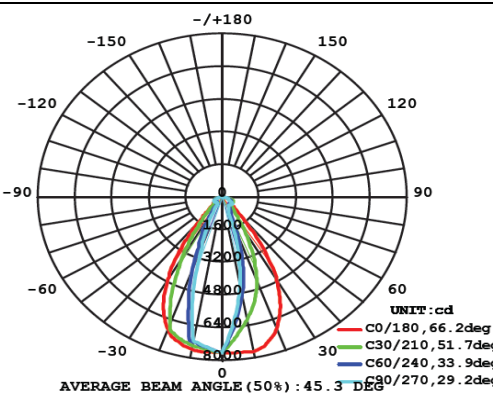
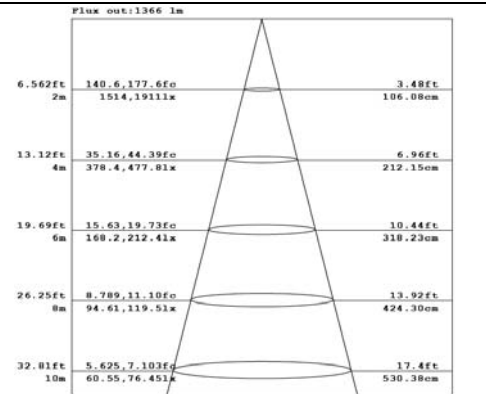
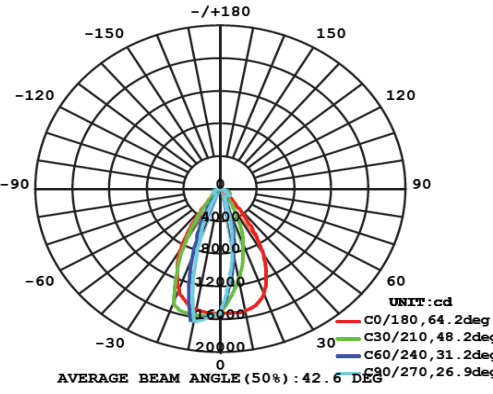
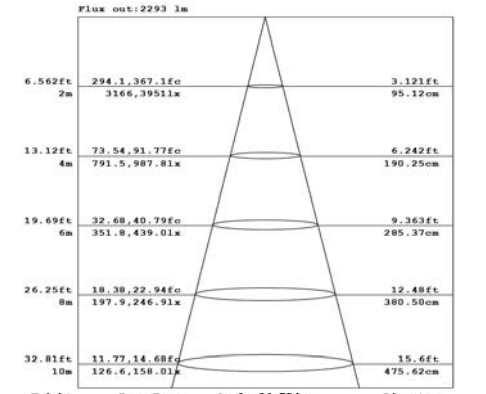
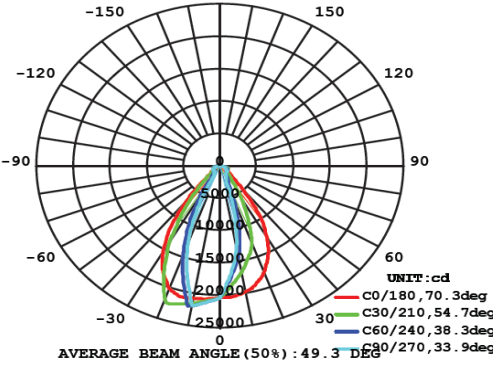
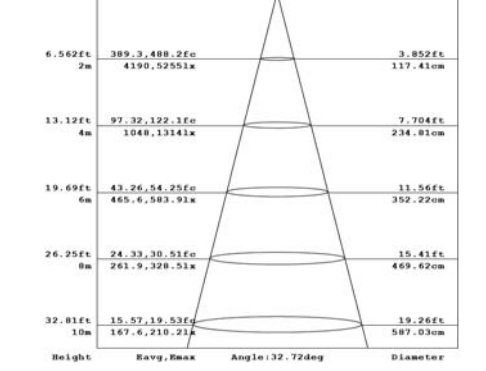
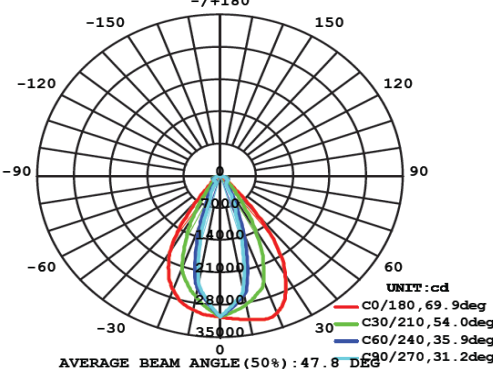
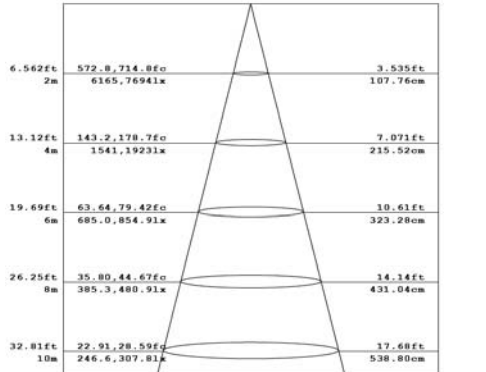
Certification standard



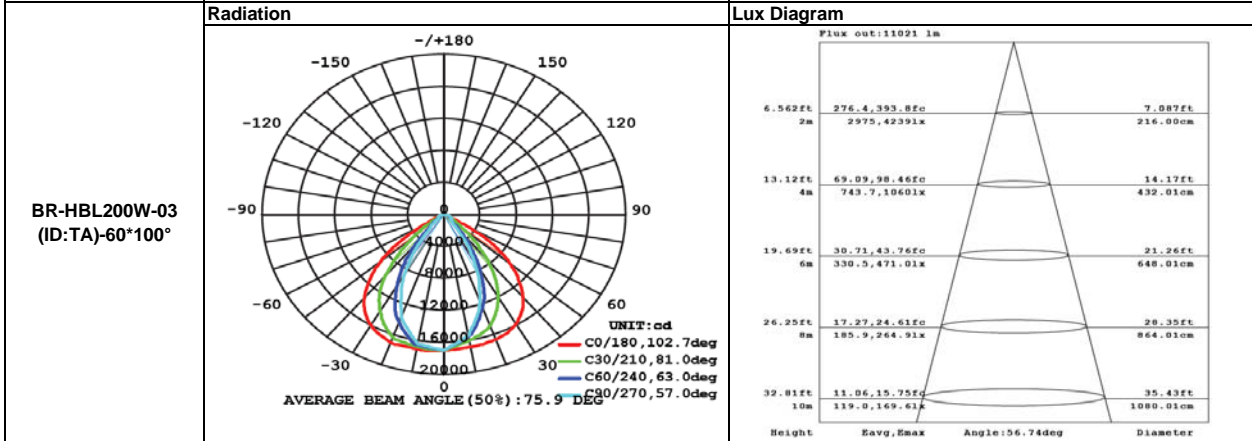
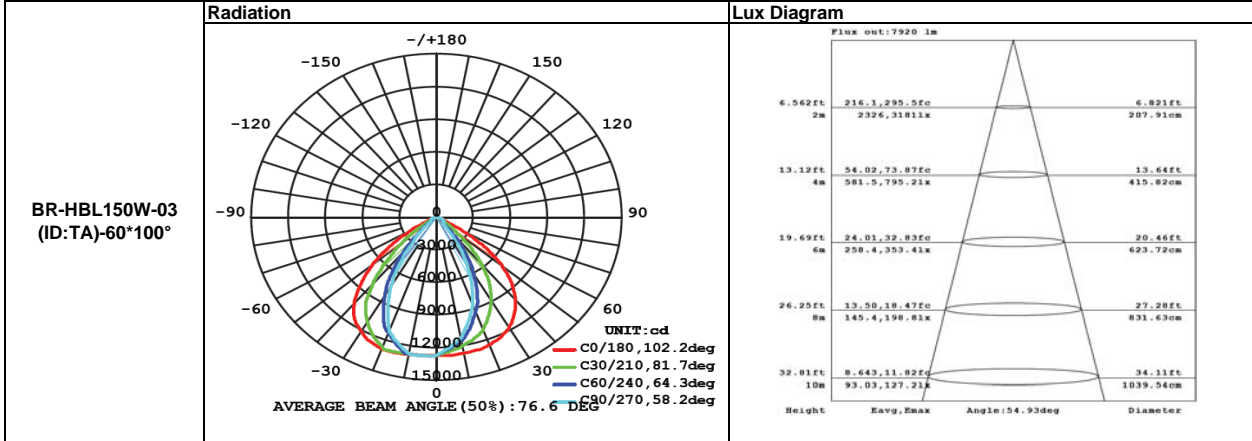
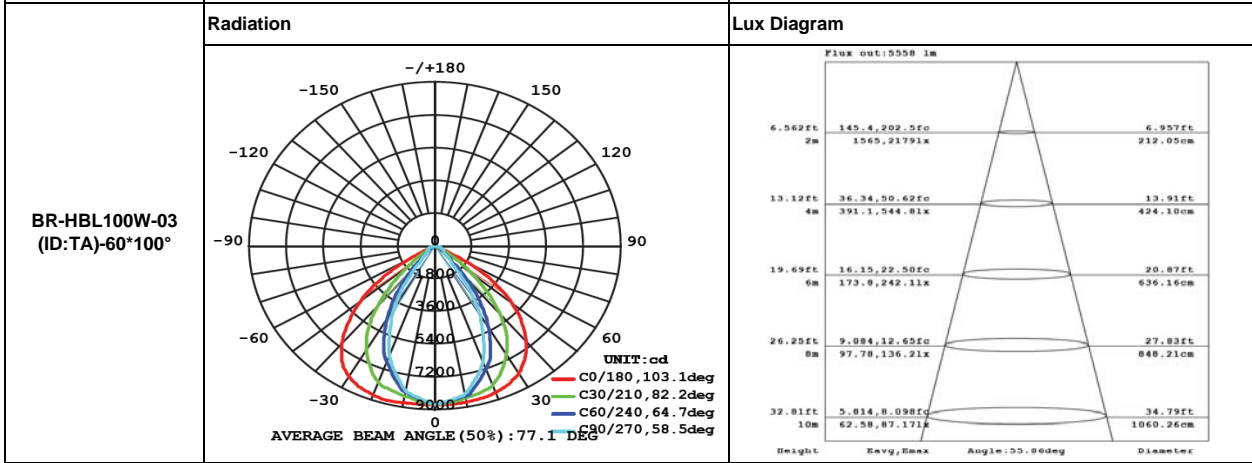
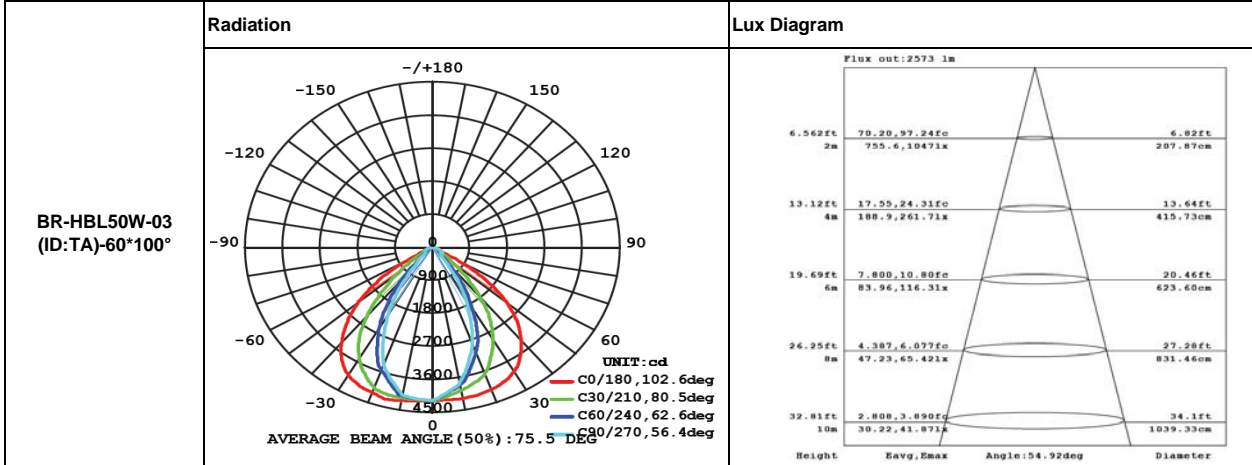
Dimension Diagram



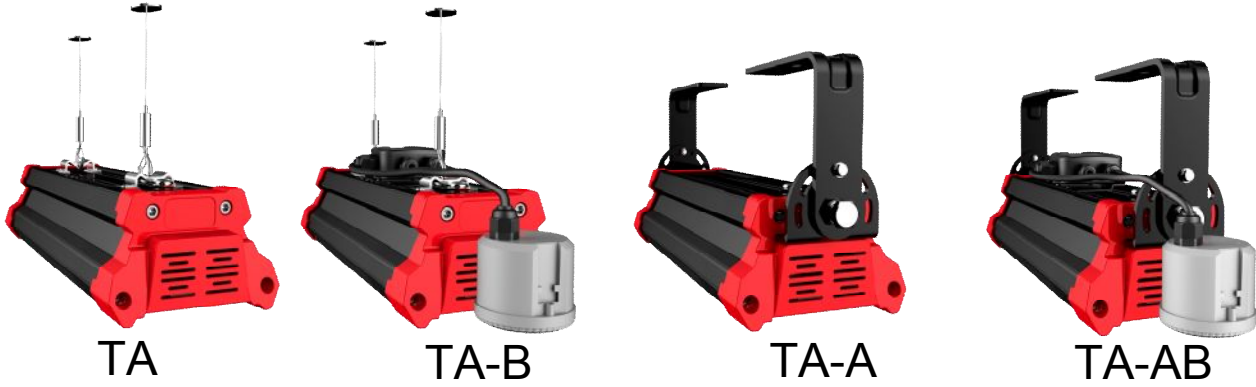
Optical Spec

<p>BR-HBL50W-03 (ID:TA)-30*70°</p>	<p>Radiation</p>  <p>UNIT: cd C0/180, 66.2deg C30/210, 51.7deg C60/240, 33.9deg C90/270, 29.2deg AVERAGE BEAM ANGLE (50%) : 45.3 DEG</p>	<p>Lux Diagram</p>  <p>Flux out: 1366 lm</p> <table border="1"> <thead> <tr> <th>Height</th> <th>Eavg, Emax</th> <th>Angle: 29.70deg</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>6.562ft / 2m</td> <td>140.6, 177.6fc / 1514, 1911lx</td> <td></td> <td>3.49ft / 106.08cm</td> </tr> <tr> <td>13.12ft / 4m</td> <td>35.16, 44.39fc / 378.4, 477.8lx</td> <td></td> <td>6.96ft / 212.15cm</td> </tr> <tr> <td>19.69ft / 6m</td> <td>15.63, 19.73fc / 168.2, 212.4lx</td> <td></td> <td>10.44ft / 318.23cm</td> </tr> <tr> <td>26.25ft / 8m</td> <td>8.789, 11.10fc / 94.61, 119.5lx</td> <td></td> <td>13.92ft / 424.30cm</td> </tr> <tr> <td>32.81ft / 10m</td> <td>5.625, 7.103fc / 60.55, 76.45lx</td> <td></td> <td>17.4ft / 530.38cm</td> </tr> </tbody> </table>	Height	Eavg, Emax	Angle: 29.70deg	Diameter	6.562ft / 2m	140.6, 177.6fc / 1514, 1911lx		3.49ft / 106.08cm	13.12ft / 4m	35.16, 44.39fc / 378.4, 477.8lx		6.96ft / 212.15cm	19.69ft / 6m	15.63, 19.73fc / 168.2, 212.4lx		10.44ft / 318.23cm	26.25ft / 8m	8.789, 11.10fc / 94.61, 119.5lx		13.92ft / 424.30cm	32.81ft / 10m	5.625, 7.103fc / 60.55, 76.45lx		17.4ft / 530.38cm
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<p>BR-HBL100W-03 (ID:TA)-30*70°</p>	<p>Radiation</p>  <p>UNIT: cd C0/180, 64.2deg C30/210, 48.2deg C60/240, 31.2deg C90/270, 26.9deg AVERAGE BEAM ANGLE (50%) : 42.6 DEG</p>	<p>Lux Diagram</p>  <p>Flux out: 2293 lm</p> <table border="1"> <thead> <tr> <th>Height</th> <th>Eavg, Emax</th> <th>Angle: 26.75deg</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>6.562ft / 2m</td> <td>294.1, 367.1fc / 3166, 3951lx</td> <td></td> <td>3.123ft / 95.12cm</td> </tr> <tr> <td>13.12ft / 4m</td> <td>73.54, 91.77fc / 791.5, 987.8lx</td> <td></td> <td>6.247ft / 190.25cm</td> </tr> <tr> <td>19.69ft / 6m</td> <td>32.68, 40.79fc / 351.8, 439.0lx</td> <td></td> <td>9.363ft / 285.37cm</td> </tr> <tr> <td>26.25ft / 8m</td> <td>18.38, 22.94fc / 197.9, 246.9lx</td> <td></td> <td>12.48ft / 380.50cm</td> </tr> <tr> <td>32.81ft / 10m</td> <td>11.77, 14.68fc / 126.6, 158.0lx</td> <td></td> <td>15.6ft / 475.62cm</td> </tr> </tbody> </table>	Height	Eavg, Emax	Angle: 26.75deg	Diameter	6.562ft / 2m	294.1, 367.1fc / 3166, 3951lx		3.123ft / 95.12cm	13.12ft / 4m	73.54, 91.77fc / 791.5, 987.8lx		6.247ft / 190.25cm	19.69ft / 6m	32.68, 40.79fc / 351.8, 439.0lx		9.363ft / 285.37cm	26.25ft / 8m	18.38, 22.94fc / 197.9, 246.9lx		12.48ft / 380.50cm	32.81ft / 10m	11.77, 14.68fc / 126.6, 158.0lx		15.6ft / 475.62cm
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<p>BR-HBL150W-03 (ID:TA)-30*70°</p>	<p>Radiation</p>  <p>UNIT: cd C0/180, 70.3deg C30/210, 54.7deg C60/240, 38.3deg C90/270, 33.9deg AVERAGE BEAM ANGLE (50%) : 49.3 DEG</p>	<p>Lux Diagram</p>  <p>Flux out: 4620 lm</p> <table border="1"> <thead> <tr> <th>Height</th> <th>Eavg, Emax</th> <th>Angle: 32.72deg</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>6.562ft / 2m</td> <td>389.3, 488.2fc / 4190, 5255lx</td> <td></td> <td>3.852ft / 117.41cm</td> </tr> <tr> <td>13.12ft / 4m</td> <td>97.32, 122.1fc / 1048, 1314lx</td> <td></td> <td>7.704ft / 234.81cm</td> </tr> <tr> <td>19.69ft / 6m</td> <td>43.26, 54.25fc / 465.6, 583.9lx</td> <td></td> <td>11.56ft / 352.22cm</td> </tr> <tr> <td>26.25ft / 8m</td> <td>24.33, 30.51fc / 261.9, 328.5lx</td> <td></td> <td>15.43ft / 469.62cm</td> </tr> <tr> <td>32.81ft / 10m</td> <td>15.57, 19.53fc / 167.6, 210.2lx</td> <td></td> <td>19.26ft / 587.03cm</td> </tr> </tbody> </table>	Height	Eavg, Emax	Angle: 32.72deg	Diameter	6.562ft / 2m	389.3, 488.2fc / 4190, 5255lx		3.852ft / 117.41cm	13.12ft / 4m	97.32, 122.1fc / 1048, 1314lx		7.704ft / 234.81cm	19.69ft / 6m	43.26, 54.25fc / 465.6, 583.9lx		11.56ft / 352.22cm	26.25ft / 8m	24.33, 30.51fc / 261.9, 328.5lx		15.43ft / 469.62cm	32.81ft / 10m	15.57, 19.53fc / 167.6, 210.2lx		19.26ft / 587.03cm
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<p>BR-HBL200W-03 (ID:TA)-30*70°</p>	<p>Radiation</p>  <p>UNIT: cd C0/180, 69.9deg C30/210, 54.0deg C60/240, 35.9deg C90/270, 31.2deg AVERAGE BEAM ANGLE (50%) : 47.8 DEG</p>	<p>Lux Diagram</p>  <p>Flux out: 5959 lm</p> <table border="1"> <thead> <tr> <th>Height</th> <th>Eavg, Emax</th> <th>Angle: 30.15deg</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>6.562ft / 2m</td> <td>572.8, 714.8fc / 6165, 7694lx</td> <td></td> <td>3.535ft / 107.76cm</td> </tr> <tr> <td>13.12ft / 4m</td> <td>143.2, 178.7fc / 1541, 1923lx</td> <td></td> <td>7.071ft / 215.52cm</td> </tr> <tr> <td>19.69ft / 6m</td> <td>63.64, 79.42fc / 685.0, 854.9lx</td> <td></td> <td>10.61ft / 323.28cm</td> </tr> <tr> <td>26.25ft / 8m</td> <td>35.80, 44.67fc / 385.3, 480.9lx</td> <td></td> <td>14.14ft / 431.04cm</td> </tr> <tr> <td>32.81ft / 10m</td> <td>22.91, 28.59fc / 246.6, 307.8lx</td> <td></td> <td>17.68ft / 538.80cm</td> </tr> </tbody> </table>	Height	Eavg, Emax	Angle: 30.15deg	Diameter	6.562ft / 2m	572.8, 714.8fc / 6165, 7694lx		3.535ft / 107.76cm	13.12ft / 4m	143.2, 178.7fc / 1541, 1923lx		7.071ft / 215.52cm	19.69ft / 6m	63.64, 79.42fc / 685.0, 854.9lx		10.61ft / 323.28cm	26.25ft / 8m	35.80, 44.67fc / 385.3, 480.9lx		14.14ft / 431.04cm	32.81ft / 10m	22.91, 28.59fc / 246.6, 307.8lx		17.68ft / 538.80cm
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Optical Spec



Model Options



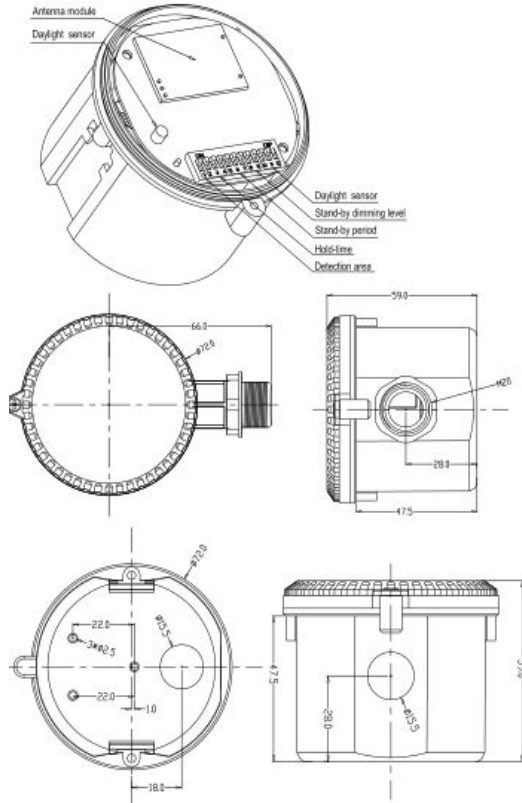
TA

TA-B

TA-A

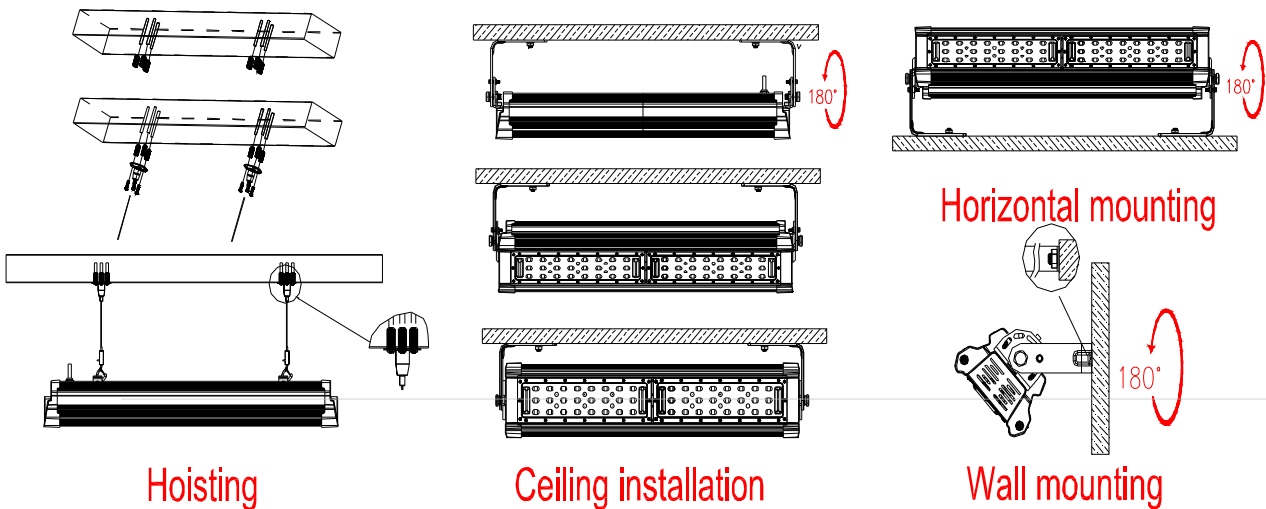
TA-AB

Radar sensor parameters



Operating voltage	120~277Vac, 50Hz/60Hz
Rated load	400W@120Vac, 800W@220-277Vac (inductive) 800W@120Vac, 1200W@220-277Vac (resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.8W(standby), <1.5W(operation)
Detection zone	Max.(D x H): 16m x 15m
Detection sensitivity	100% / 50%
Hold time	5s / 30s / 90s / 3min / 20min / 30min
Daylight sensor	50lux / 100lux / 200lux / Disable
Stand-by period	5s / 5min / 10min / 30min / 1h / +∞
Stand-by dimming level	10% / 20% / 30% / 50%
Mounting height	15m Max.
Motion detection	0.5~3m/s
Detection angle	150°(wall installation), 360°(ceiling installation)
Operating temperature	-35℃~70℃

Installation and use



Hoisting

Ceiling installation

Wall mounting

Installation is finished, please make sure the wire is properly connected, and turn on the power, make the light on.

Attention

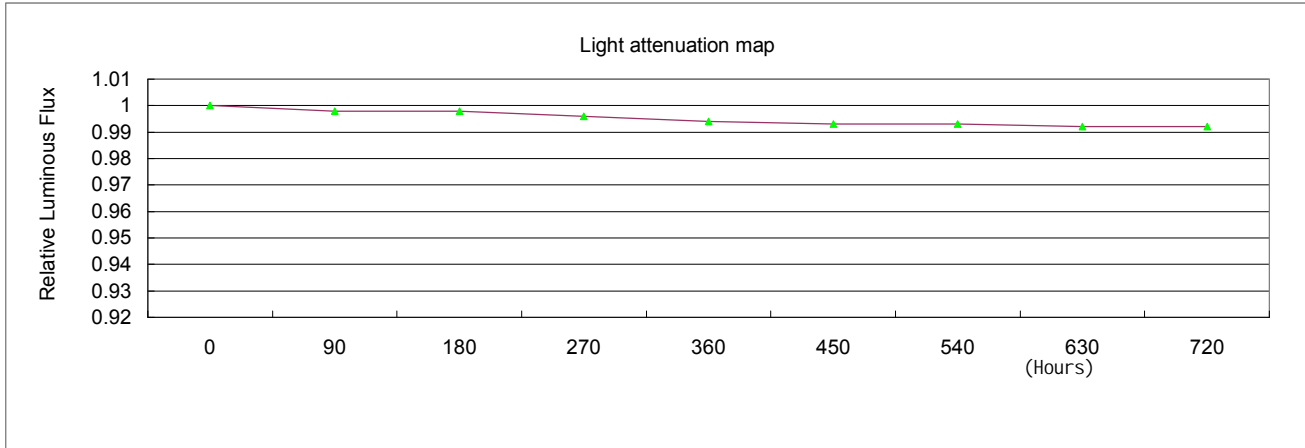
1. Please turn off the power supply before installation or changing assembly parts.
2. The input voltage and the lamp should be adapted. After connecting the power line, please make sure the wiring section is insulated.
3. Non-professionals, must not install or dismantle the lamps.
4. All the lights during installation and in use should not be put with glass cover vertically upside.

Packing Spec

Item	Box			Carton		
	Measurement (mm)	Gross weight	Pcs/box	Measurement(mm)	Gross weight	Pcs/carton
BR-HBL50W-03(ID:TA)	L410*W205*H170	2.37 kg	1	L440*W430*H375	10.9 kg	4
BR-HBL100W-03(ID:TA)	L700*W205*H170	4.66kg	1	L720*W440*H200	10.67kg	2
BR-HBL150W-03(ID:TA)	L995*W205*H170	6.15kg	1	L1015*W440*H200	13.7kg	2
BR-HBL200W-03(ID:TA)	L1290*W205*H170	8.4kg	1	L1310*W225*H200	9.8kg	1

Remarks:

1. White light series: WW (3000-3500K) NW (4000-4500K) CW (5000-6500K)
2. Luminous flux tolerance for $\pm 10\%$
3. Products shall be subject to any changes without prior notices.



Through the 720H accelerated aging test, high and low temperature prediction in the rated under the working conditions after 35000H, will provide an average 70% optic maintenance ratio(L70).