

**MCLED**

# **LED Explosion Proof Light**

## Fixture Catalogue

for Industrial and Hazardous Areas







# High Power LED Explosion proof light

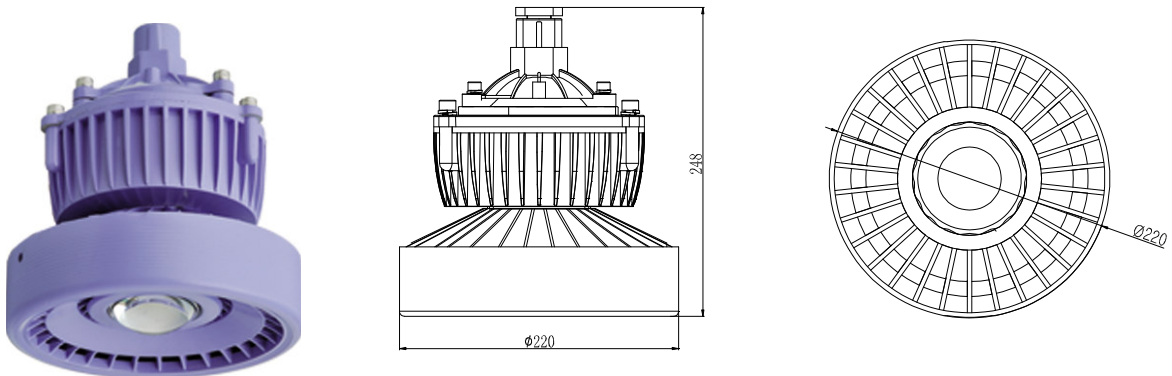
Model : MF05-20W 30W 40W

( Explosion proof grade : Ex d IICT 6 Gb )

## ※ Range of application ※

*Applicable to warehouse ,workshops ,military establishments ,gas station ,oil industry and the hazardous places where has inflammable and explosive materials.*

## ※ Product Image ※



## ※ Applications ※



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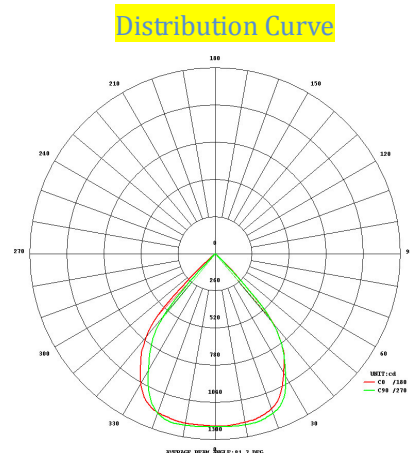
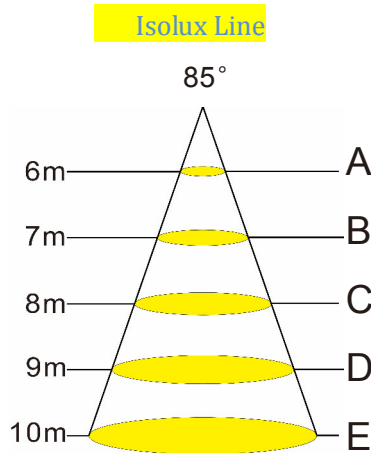
Web: [www.mc-led.com](http://www.mc-led.com)

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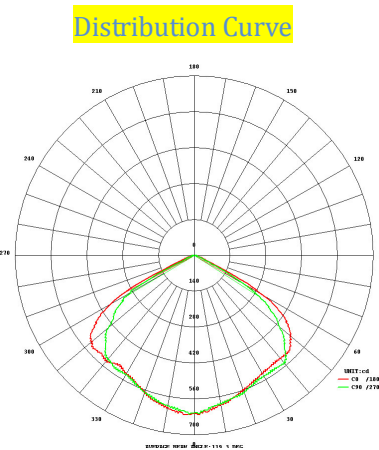
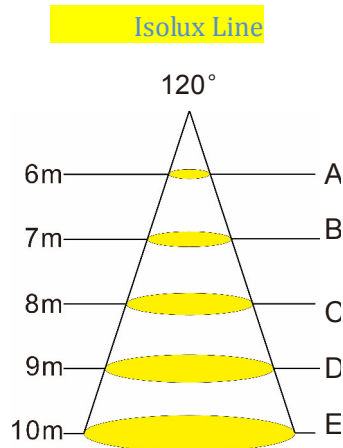
E-mail: [amanda@mc-led.com](mailto:amanda@mc-led.com)



※ Optical Performance ※



Power	A (lx)	B (lx)	C (lx)	D (lx)	E (lx)
20W	40.2	29.52	22.56	17.76	14.52
30W	49.68	36.48	27.96	21.96	17.88
40W	58.92	45.84	37.68	31.56	27.6



Power	A (lx)	B (lx)	C (lx)	D (lx)	E (lx)
20W	20.52	15.12	11.52	9.12	7.44
30W	31.2	22.92	17.4	13.8	11.28
40W	41.04	30.12	23.04	18.12	14.76

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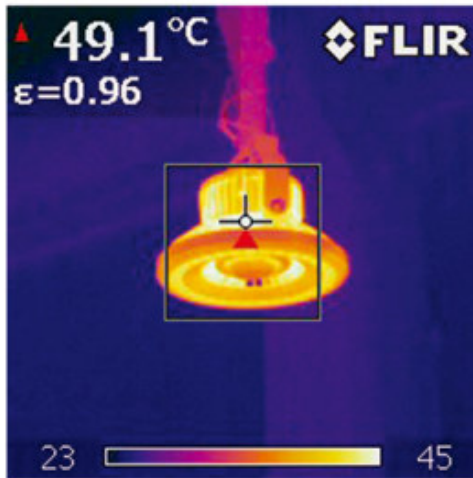
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※ Thermal Management ※



*Heat dissipation design :*

*Unique round design which allows air circulation automatically generated, through those cooling ribs, hot air go up while cool air go down, in this way the LED chip works under good temperature condition all the time and the light depreciation problem can be controlled very well. This kind of design is our invention patent at domestic and overseas, also the most effective method aiming at luminous decay at present.*

※ Technical Parameters ※

Item	Model	MF05- 20W 30W 40W
LED Consumption		20W 30W 40W
System Consumption		LED consumption * 1.1
Input Voltage		AC 100 ~277V
Working Power Frequency Range		50Hz / 60Hz
Power Factor		>0.95
Total Harmonic Distortion		<25%
Working Environment		Working temperature: -40 ℃ ~ +60 ℃; Working humidity: 0 ~100%
Average Temperature in 24 hrs		≤35 ℃
Surface Highest Temperature		≤60 ℃
Junction Temperature(TJ)		<70 ℃
Lamp Luminous Efficacy (Lm/W)		≥105Lm/W
Lamp Initial Flux (Lm)		LED consumption * 105Lm/W
Lamp Efficiency(%)		≥90%
Color Temperature		3000K ~7000K

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<i>Color Rendering Index(CRI)</i>	<i>Ra &gt;75</i>
<i>LED Life Span</i>	<i>&gt;50000 h</i>
<i>Protection Grade</i>	<i>IP67</i>
<i>Lens Light Transmittance</i>	<i>≥90%</i>
<i>Beam Angle</i>	<i>90° ~ 160°</i>
<i>Net weight</i>	<i>3.4 Kg</i>
<i>Gross weight</i>	<i>4.2 Kg</i>
<i>Packing size</i>	<i>31×31×29.5cm</i>

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