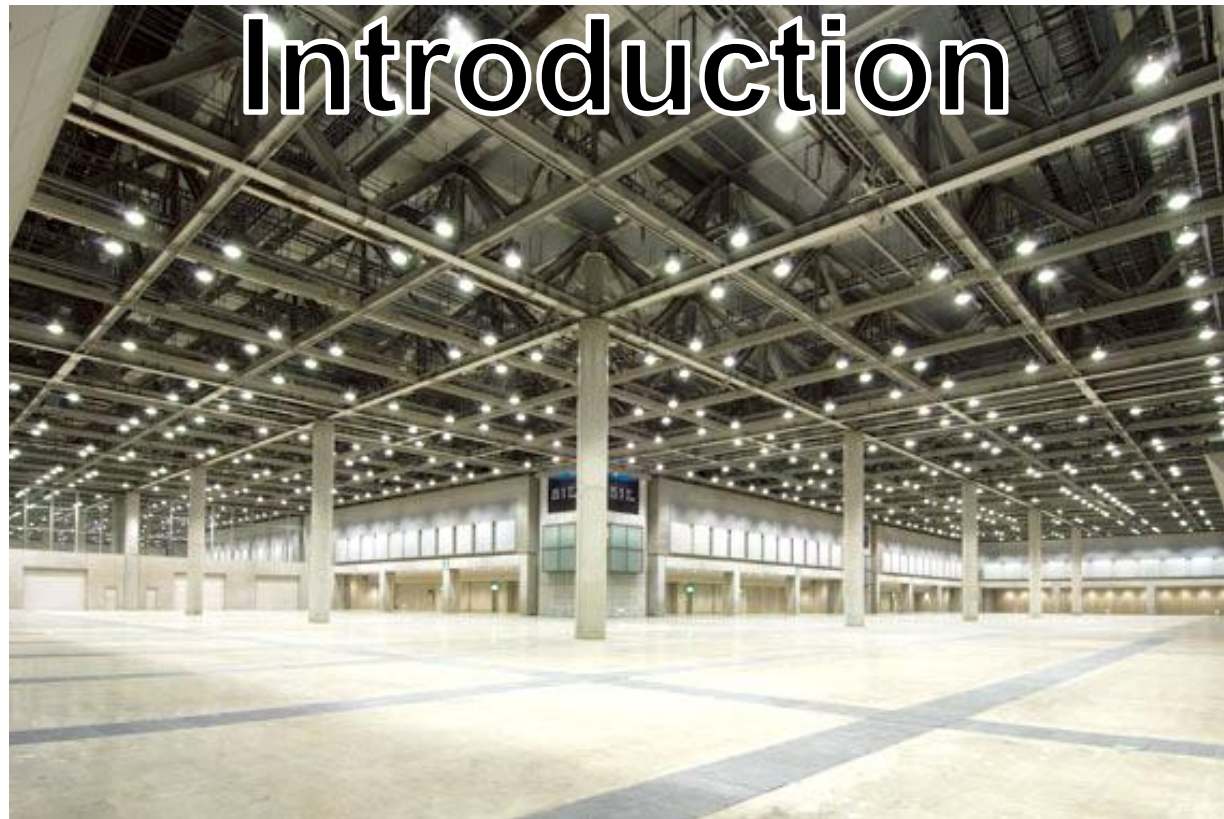
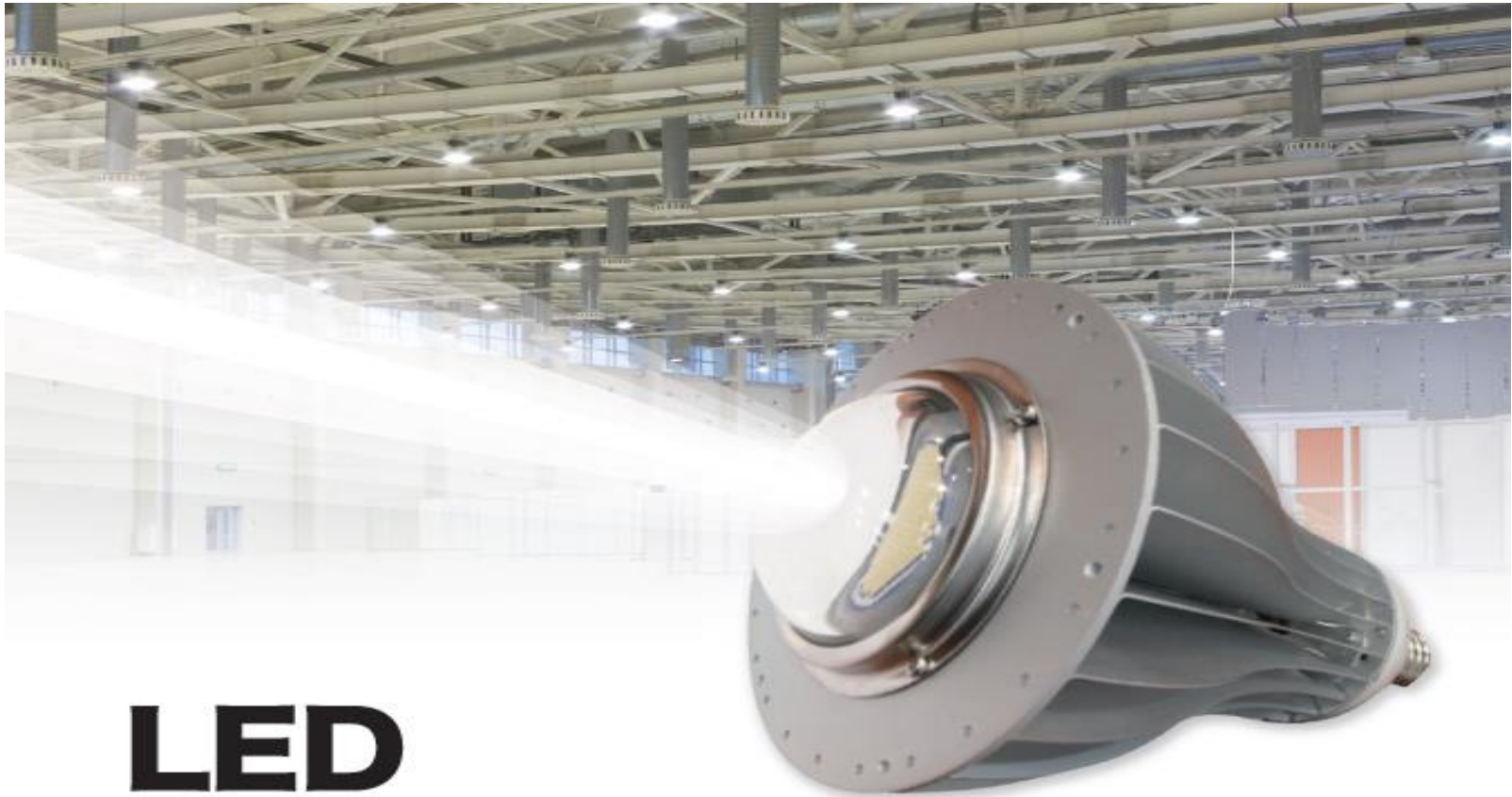


E39/40 LED High Bay



Introduction



LED High Bay Retrofit

LED retrofit design with E39/E40

Mogul base to replace MH and HPS lamps up to 400 Watt.

Features

Technical Spec

Comparison

Design

Applications

Test Report

EnergyPro LED high bay light is designed to replace conventional 400W mercury lamp, metal halide lamp or high pressure sodium lamp. No only save the energy cost, but also provide long life and lowest maintenance cost.

EnergyPro LED high bay light is applied to high ceiling applications, like warehouse, industrial facility, exhibition centers, shopping malls, supermarkets, stadiums, toll stations, etc.

INNOVATION DESIGN

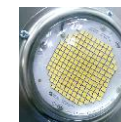


1. Ultra High Luminance : 18000lm
2. Double 9 Design:
 - ◆ Power Factor > 0.95
 - ◆ Efficiency > 97%
1. E39/40 for Easy Installation
2. Vivid Color: CRI > 80.
3. CE, CB, SAA, LM80 and IEC62471 Certified
4. Comfortable: No Flicker Design
5. Long Life Time: 50000 Hrs.
6. Light Weight : <1.4Kg
7. Lowest maintenance cost



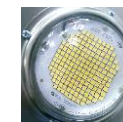
Model Name	HB40 - 150NI- 8 XX	HB40 - 120NI- 8 XX	HB40 - 90LT - 8XX
Replacement	400W mercury lamp	350W mercury lamp	250W mercury lamp
Input Voltage	198~305VAC	198~305VAC	100~305VAC
Input Frequency / P.F.	50 ~ 60 Hz / > 0.95	50 ~ 60 Hz / > 0.95	50 ~ 60 Hz / > 0.95
Rated Power (W)	150W ± 10%	120W ± 10%	90W ± 10%
Luminance @5700K	18000 Lm	16000 Lm	11000 Lm
Beam Angle (LENS) ★	90°/ 60 °	90°/ 60 °	90°/ 60 °
Color Temperature ★	4000K / 5000K / 5700K	4000K / 5000K / 5700K	4000K / 5000K / 5700K
LED Chips	NICHIA 3030	NICHIA 3030	LEXTAR 3030
LED Numbers	171 PCS	171 PCS	171 PCS
CRI ★	> 80	> 80	> 80
System Efficiency	120Lm /W	130Lm /W	120Lm /W
IP Level	IP 52	IP 52	IP 52
Protections	OTP/OVP/OCP	OTP/OVP/OCP	OTP/OVP/OCP
Dimensions L*Φ	180 x 306mm	180 x 306mm	180 x 306mm
Weight	1400 gm	1400 gm	1400 gm
Operation Temperature	-25°C ~ 50°C	-25°C ~ 50°C	-25°C ~ 50°C
Life time	50000Hrs	50000Hrs	50000Hrs

★ The spec can be modified as per your request. (ODM Project)

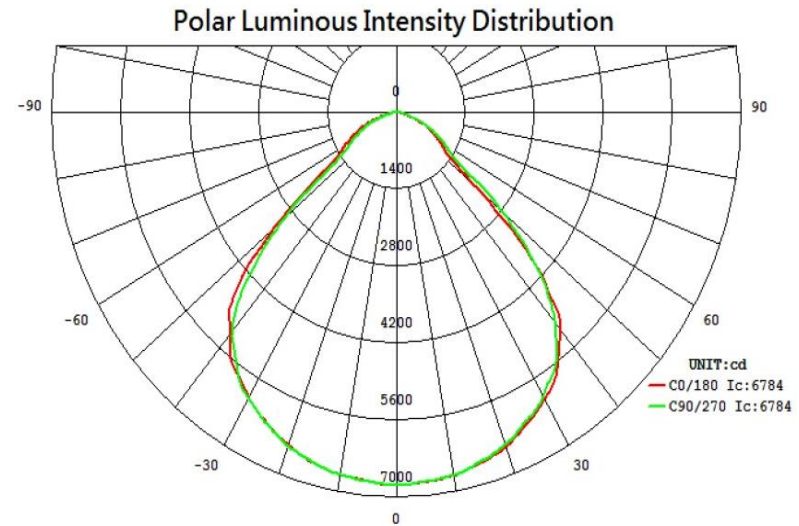


Model Name	HB40 - 150NI- 8XX DOB	HB40 – 120NI- 8XX DOB	HB40 – 100LT - 8XX DOB
Replacement	400W mercury lamp	350W mercury lamp	250W mercury lamp
Input Voltage	100~305VAC	100~305VAC	100~305VAC
Input Frequency / P.F.	50 ~ 60 Hz / > 0.95	50 ~ 60 Hz / > 0.95	50 ~ 60 Hz / > 0.95
Rated Power (W) ★	150W ± 10%	120W ± 10%	100W ± 10%
Luminance @5700K	15000 Lm	13000 Lm	10000 Lm
Beam Angle (LENS) ★	90°/ 60 °	90°/ 60 °	90°/ 60 °
Color Temperature ★	4000K / 5000K / 5700K	4000K / 5000K / 5700K	4000K / 5000K / 5700K
LED Chips	NICHIA 3030	NICHIA 3030	LEXTAR 3030
LED Numbers	114 PCS	114 PCS	114 PCS
CRI ★	> 80	> 80	> 80
System Efficiency	110Lm /W	110Lm /W	100Lm /W
IP Level	IP 54	IP 54	IP 54
Protections	OTP/OVP/OCP	OTP/OVP/OCP	OTP/OVP/OCP
Dimensions L*Φ	180 x 306mm	180 x 306mm	180 x 306mm
Weight	1200 gm	1200 gm	1200 gm
Operation Temperature	-25°C ~ 50°C	-25°C ~ 50°C	-25°C ~ 50°C
Life time	50000Hrs	50000Hrs	50000Hrs

★ The spec can be modified as per your request. (ODM Project)

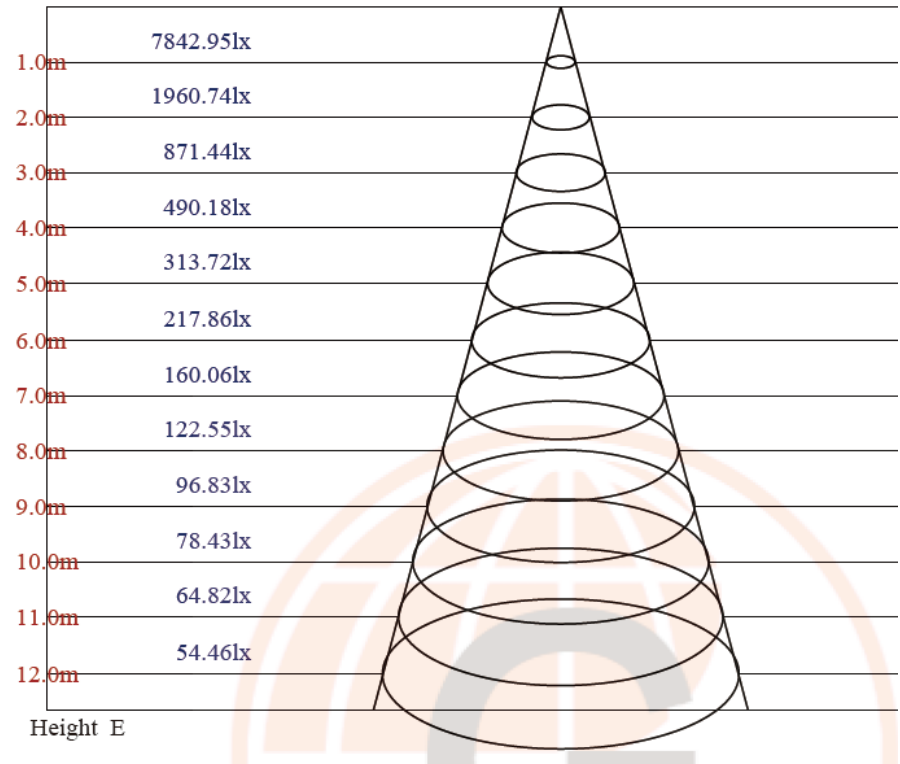
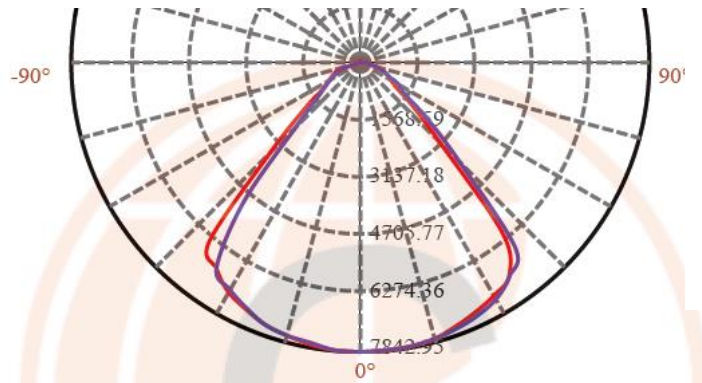


NICHIA
Lextar





Angle= 96.40 Deg

Height	E avg.		E max.		Diameter
1.0 M	2932.00 Lx	6801.00 Lx	6801.00 Lx	223.69 cm	
2.0 M	733.00 Lx	1700.25 Lx	1700.25 Lx	447.38 cm	
3.0 M	325.78 Lx	755.67 Lx	755.67 Lx	671.06 cm	
4.0 M	183.25 Lx	425.06 Lx	425.06 Lx	894.75 cm	
5.0 M	117.28 Lx	272.04 Lx	272.04 Lx	1118.44 cm	



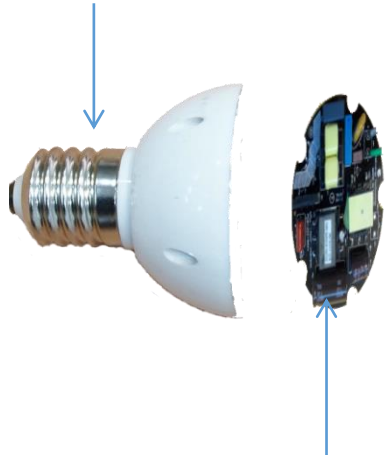
**Our 150W light is the most powerful next generation product.
It is the smart choice for a long lasting and more sustainable lighting solution.**

	EnergyPro 150W LED High Bay 	Conventional 150W LED High Bay 
Lamp Cap	★ E39/E40	NA
Installation Cost	★ Lowest	Highest
Maintenance Cost	★ Lowest	Highest
LED Driver Efficiency	★ > 97%	88~92%
Power Factor	★ > 0.95	>0.9
Lumen Output	★ 18000 Lm	12500~13500Lm
Flicker	★ Flicker Free	Flicker
LED Chips	★ NICHIA	China low cost chip
CRI	★ >80	65~70
System Efficiency	★ >120Lm/W	85~95Lm/W
Protection	★ OTP/OVP/OCP	NA
Anti-Surge Ability	★ 6KV	2KV or NA
Dimension	★ Small	Huge
Weight	★ 1500 gm	>10000gm(10KG)
Life Time	★ 50000Hrs	25000Hrs

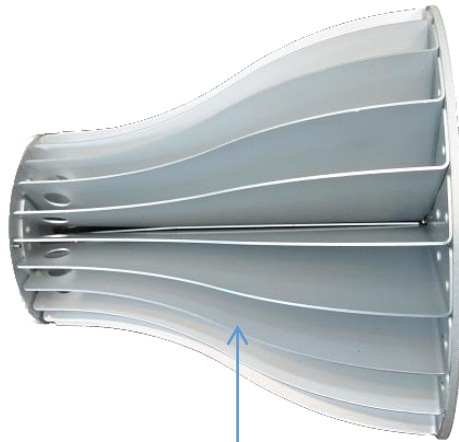


Structure Breakdown

E39/40 Cap



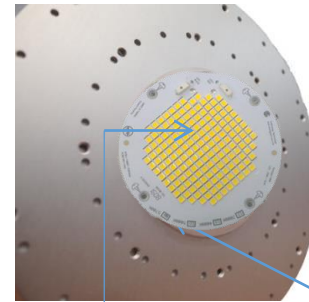
High Efficiency Driver



Anodic Process Heatsink

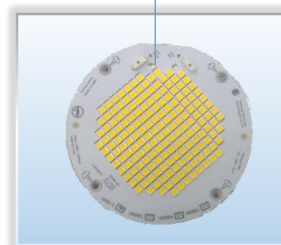


Optical Lens



Waterproof Ring O-Ring

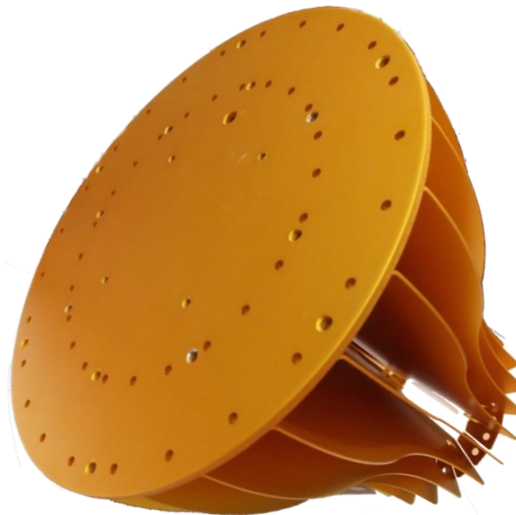
Reflector (Optional)



NICHIA LED with Ultra High Thermal Conductivity PCB



Special Anodic Process Heatsink

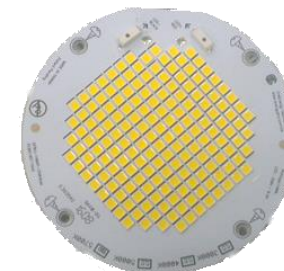
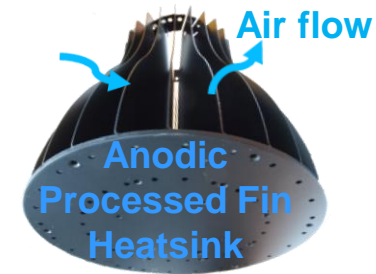


Special Anodic Process Heatsink Available

High quality aluminum
heatsink with special
Anodic Process treatment.

Optical & Mechanical

1. Initial Output Luminance : 18000lm
2. Efficiency : >150Lm/W (From chip)
3. LED Chips : **Nichia** 757 1W x 171 PCS
4. Color Temperature CCT : 4000K / 500K / 5700K
5. High CRI : > 80
6. LM80 and IEC62471 certificated LED.
7. Anodic Process treatment with aluminum heat-sink.(High quality& Made in Taiwan)
8. Ultra High Thermal Conductivity PCB . (Taiwan made: **Exclusive Patented Technology**)
9. Weight: 1.4 Kg, light weight design

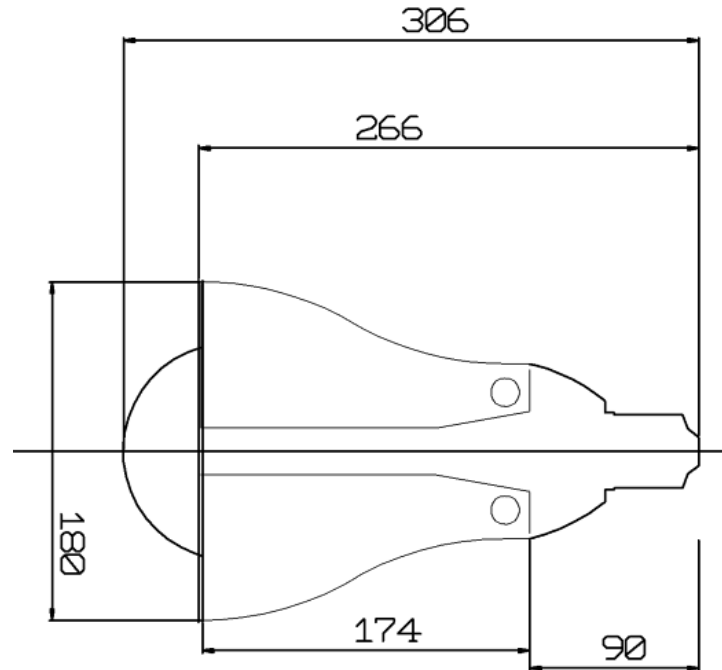


LED Driver

1. Input Voltage : 230VAC , (198VAC ~ 305VAC)
2. High Power factor: P.F.>0.95.
3. Super High Efficiency : **>97%!!!! TPY**
4. Slim LED Driver design : < 14mm , adopted into the E40 Lamp Cap.
5. High Power Density : **World Smallest** 150W driver
6. Two Stage Converter : **No Flicker Design .**
7. Lighting surge : 6KV.
8. Ultra long life Japan E-Cap provides **Long Life Time.**
9. Made In Taiwan, Designed by EnergyPro.
10. Patent Pending Project.
(**Exclusive Patented Technology**)

**INNOVATION
DESIGN**

Mechanical Drawing



Package Size for Inner box : 21*22*39 mm , 1.6 KG (1 PCE)

Package Size for Master carton: 63*44*39 mm , 12KG (6 PCS)

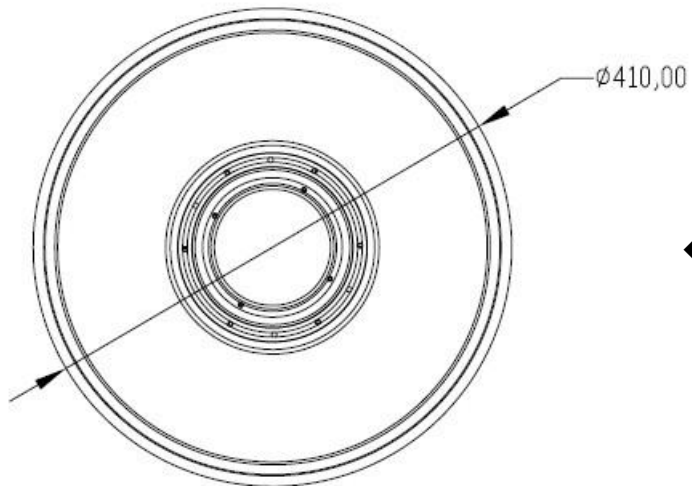
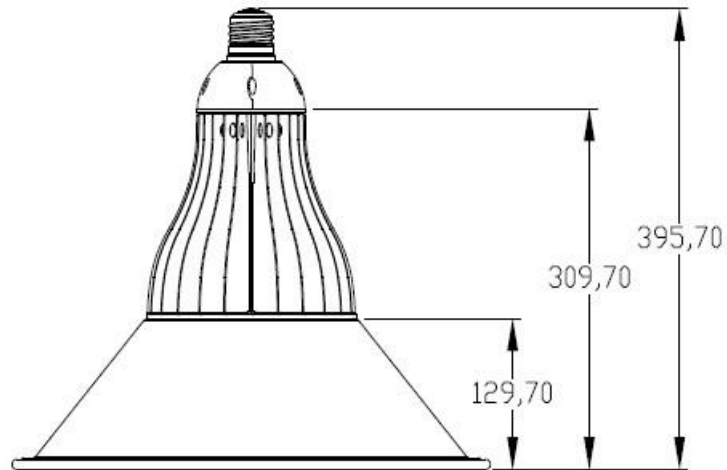
Each Inner box has safety Rope and Installation guide.



- ◆ EnergyPro LED high bay light is designed to replace conventional 400W mercury lamp, metal halide lamp or high pressure sodium lamp.
- ◆ Not only to save the energy cost, but also to provide long life and lowest maintenance cost.
- ◆ It is suitable for high ceiling applications such as warehouse, factory, exhibition centers, shopping malls, supermarkets, stadiums, toll stations....etc.

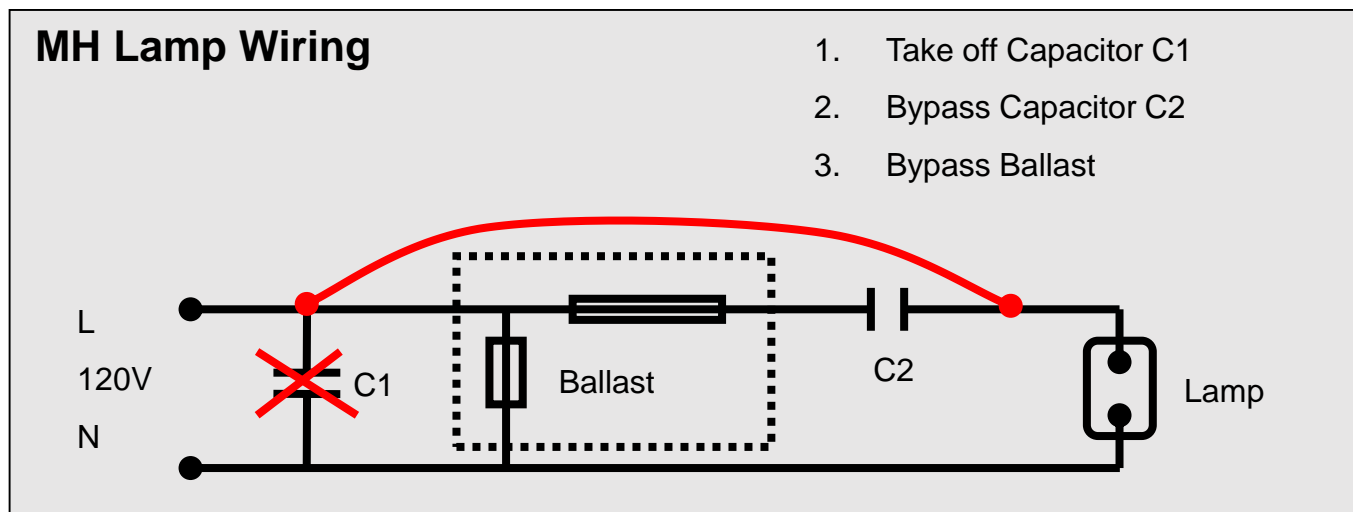
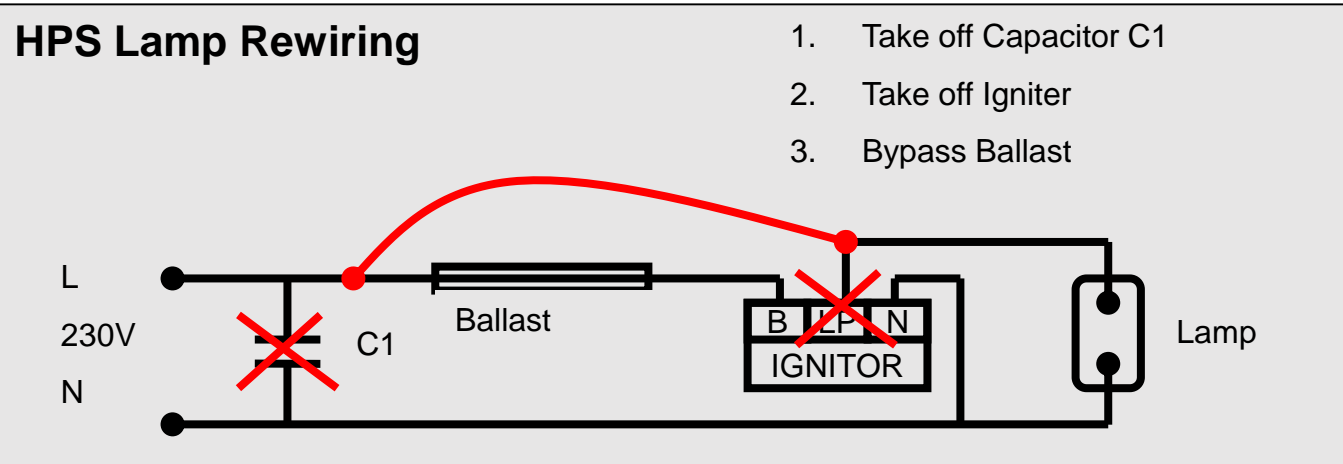


- ◆ Easy for installation.
- ◆ Safety rope for safety improvement.
(Standard accessory)



◆ Dome reflector is also available for option.







Re-wiring

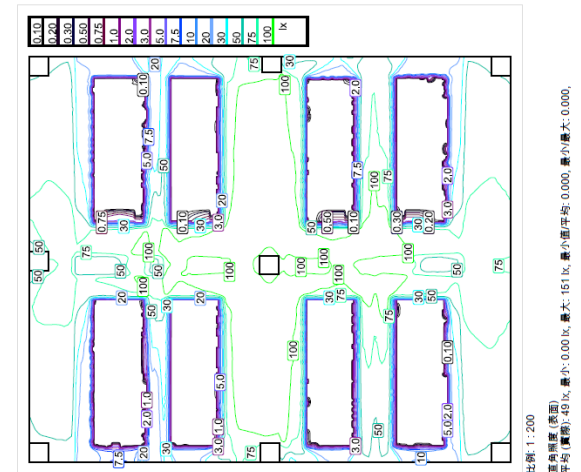
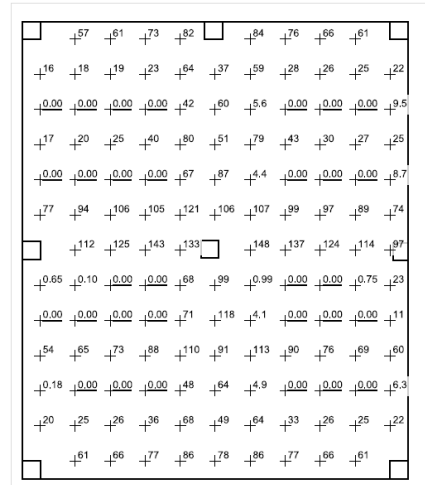
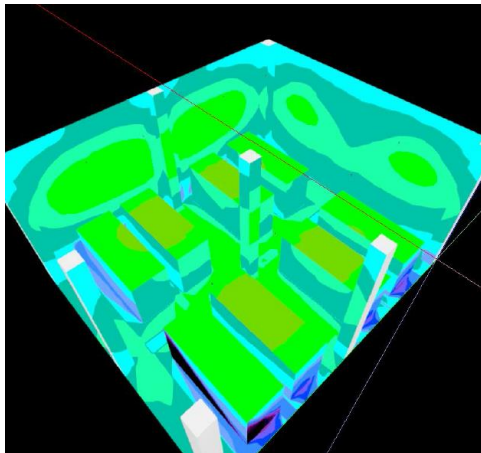
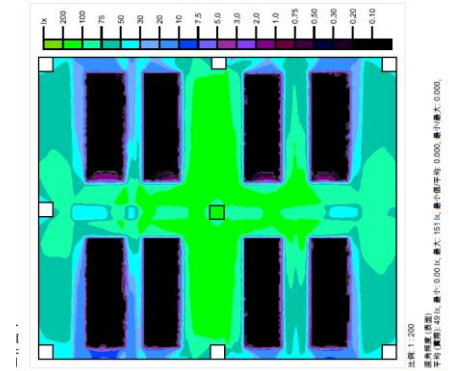
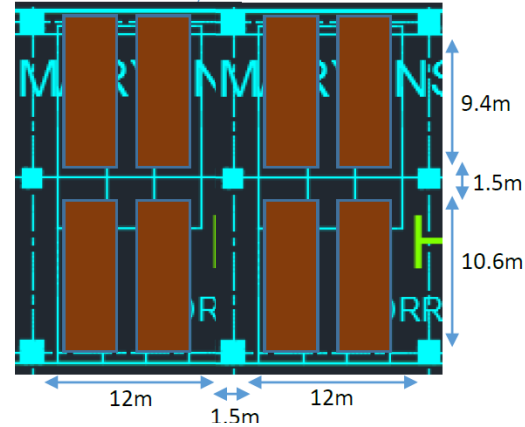


E40/E39 LED Retrofit

High Wattage Industrial LED Lighting Product

- ★Input Voltage: 100~277 VAC / 198~277 VAC
- ★Energy saving: electricity being saved upto 80%
- ★High Power Factor: P.F.>0.98
- ★Application: Gas station, warehouse, factory, parking lot, airport...etc.

 <p>Instant Fit Direct Replacement</p>	 <p>ANSI Ballast compatible eg. M59 Driverless</p>
 <p>Bypass the ballast</p>	 <p>Certified version Built in Driver</p>
 <p>Fixture Replacement</p>	 <p>Built in Driver Sell with lamp holder</p>



IES simulation for warehouse project.



CE Report



SGS Reference No: EM/2015/70106C

VERIFICATION OF EMC COMPLIANCE

Verification No. : EM/2015/70106C
Representative Model No. : BLBU-140AB-340V04A
Added Model(s) : BLBU-120AB-340V035A, BLBU-90AB-340V025A
Product Name : E40 base high bay light
Brand Name : EnergyPro Technology.
Applicant : EnergyPro Technology. All Rights Reserved.
Address of Applicant : 1F., No.16, Ln. 138, Linsen N. Rd., Zhongshan Dist., Taipei City 104,
Taiwan (R.O.C.)
Test Report Number : EM/2015/70106
Date of Issue : **Aug. 28, 2015**
Applicable Standards : EN 55015 : 2013
EN 61000-3-2 : 2006+A1:2009+A2:2009, EN 61000-3-3 : 2008
EN 61547 : 2009, IEC 61000-4-2 : 2008
IEC 61000-4-3: 2006+A1:2007+A2:2010
IEC 61000-4-4: 2012, IEC 61000-4-5: 2005+corr.October.2009
IEC 61000-4-6: 2013, IEC 61000-4-11: 2004

Conclusion

The apparatus meets the requirements of the above standards. In addition, this verification is only valid for the equipment and configuration described and in conjunction with the test report as detailed above.



Authorized Signatory:
Original is signed

SGS TAIWAN LTD.
Victor Wen
Technical Asst. Manager



Thank you for
your attention!