

塩害 防錆
対策済 防腐

PR-DOMEドーム の特徴

COBワンコア
LEDレンズ採用



PR-DOMEシリーズ 商品ラインアップ

	PR-DOME 100W	PR-DOME 150W	PR-DOME 300W	PR-DOME TOUGH	PR-DOME MOVING	PR-DOME ER
写真						
Lm	10,000lm	15,000lm	30,000lm	10,000lm 15,000lm	10,000lm 15,000lm	6,000lm
消費電力	100W	150W	300W	100・150	100・150	60W
特徴	400W水銀灯 代替え・IP67 電源はオプションで外 付けに変更可能	700W水銀灯 代替え・IP67 電源はオプションで外 付けに変更可能	1000W水銀灯代 替え・IP65 電源はオプションで外 付けに変更可能	特注商品 塩害・防爆など ヘビーデュー ティー仕様IP67 電源外付け不可	特注商品 人感センサー 機能付・IP67 電源はオプションで外 付けに変更可能	特注商品 非常電源機能付 IP65 電源外付け不可

PR-DOME 特徴その① 瞬間点灯・消灯



工場や体育館などの高天井施設、駐車場や屋外灯などに最適なLED照明です。

100V～200Vの直接入力可能な電源内蔵式なので設置が簡単。

IP67の防塵・防水仕様なので屋外でも使用できます。

出力は100W～300Wまでの3タイプ、使用する場所や用途に合わせて幅広く対応できます。

工場や体育館など高天井施設に最適な高出力LED照明です。

水銀灯は点灯後、所定の明るさになるまで10分程度が掛かりますが、LEDは電圧に対する反応が早く、点灯後約1秒で最大の明るさに達します。瞬時点灯・再点灯が可能なので、休憩時間などにこまめな消灯ができ、節電に効果的です。食品工場などでは大敵な虫も来ません。

長時間照明を点灯している場所や、たくさんの照明器具を設置している場所をLEDに替えれば、電気代・メンテナンスコストの大幅な削減を期待できます。また、電気代と共にCO2排出量も大幅に削減でき、水銀などの環境有害物質を使用していないので、環境にも優しく様々な施設に導入され始めています。

PR-DOME 特徴その② COBワンコアLEDレンズ

PR-DOMEシリーズはCOB仕様でワンコアLED対応。

今までのようにLEDのツブツブが目には刺さるようなグレアがありません。均一な眩しくない灯りをお届けします。

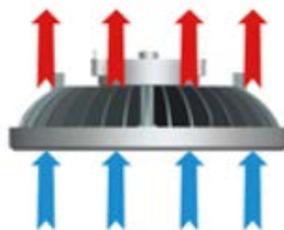
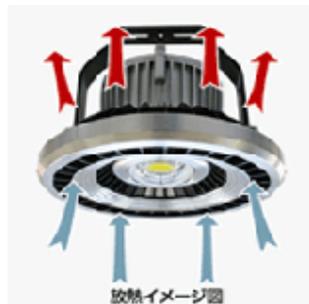


PR-DOME 特徴その③ 放熱対策

ハイパワーLED照明は発光する際に大量の熱を発生させます、その熱がLEDや電源部分に影響を及ぼし、照明器具全体の「寿命の低下」に繋がります。

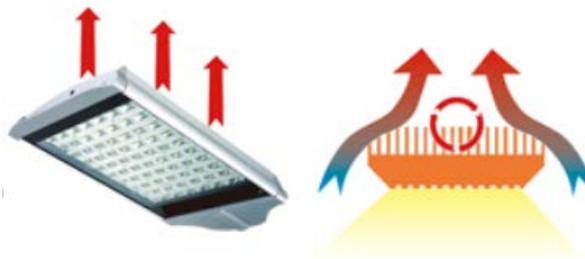
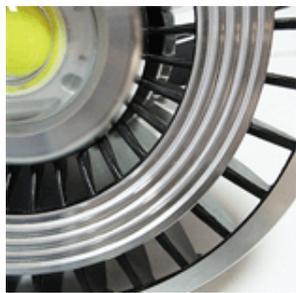
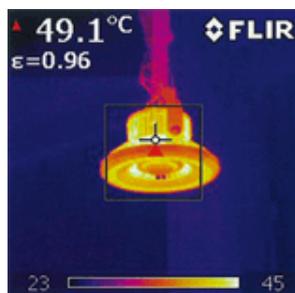
一般的な高出力LED照明はボディー背面で放熱を行います、この方法では熱対流で起こる熱溜りが発生し、効率の良い放熱ができずにボディー温度の上昇に繋がってました。

PR-DOMEシリーズは、ジェットエンジンのように放熱フィンをLEDの周囲に配置し、効率よく通気させることで熱溜りをなくし、ボディー全体の温度の上昇を防いでいます。



ジェットフィン加工技術

空冷装置設計採用



同等の明るさの水銀ランプと比べ、消費電力を約80%削減します。

光源寿命も約50000時間と水銀ランプの4倍以上の長寿命なので、高所取付やランプ交換の手間とコストを大幅に削減し、高天井などメンテナンスの困難な場所での使用に最適です。

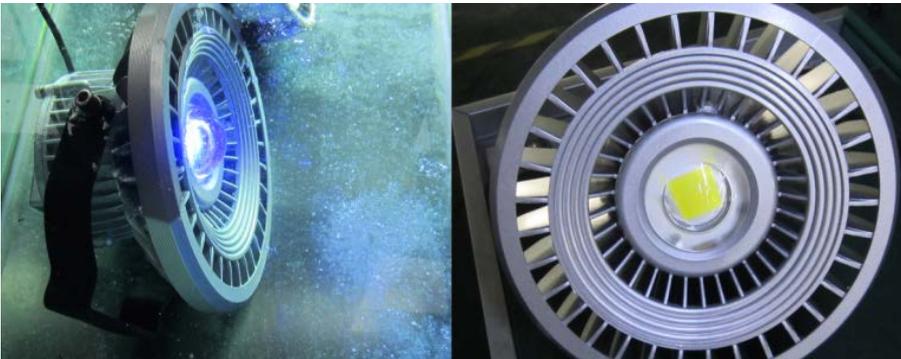
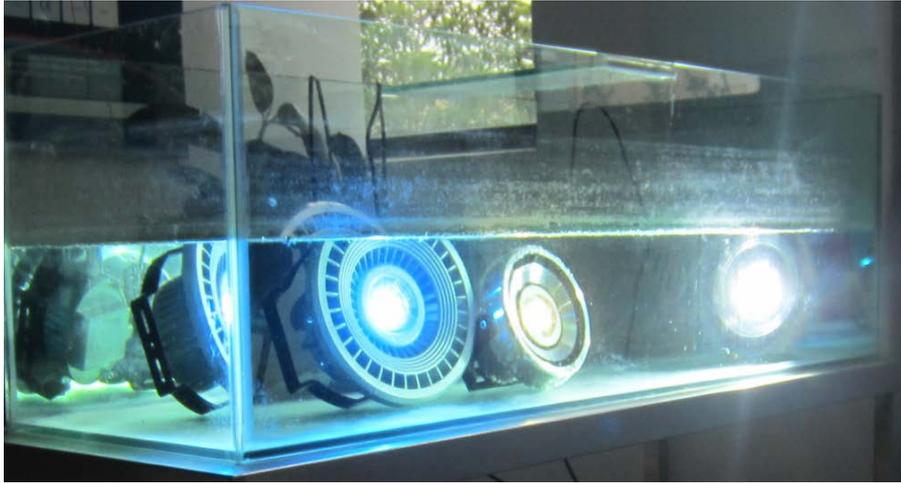
①400W (450W) ⇒100W ②700W (780W) ⇒150W ③1000W⇒300W

PR-DOME 特徴その④ 防水性能 IP67



防錆
防腐

IP67の防塵・防水仕様なので屋外でも安心、粉塵や湿気のある工場・倉庫などでの使用も可能です。



使用3年後

Before 仕様前



PR-DOME COBワンコアレンズ IP67

工場や体育館など高天井施設に最適な高出力LED照明です。

水銀灯は点灯後、所定の明るさになるまで10分程度が掛かりますが、LEDは電圧に対する反応が早く、点灯後約1秒で最大の明るさに達します。瞬時点灯・再点灯が可能なので、休憩時間などにこまめな消灯ができ、節電に効果的です。

長時間照明を点灯している場所や、たくさんの照明器具を設置している場所をLEDに替えれば、電気代・メンテナンスコストの大幅な削減を期待できます。また、電気代と共にCO2排出量も大幅に削減でき、水銀などの環境有害物質を使用していないので、環境にも優しく様々な施設に導入され始めています。



COBワンコアレンズ採用で眩しくない！

LEDにつきもののグレアを防止。目に優しい灯りです。



PR-DOME **TOUGH** タフ IP67

塩害地などの特殊な環境下での使用に対応！

塩害対策済み・防錆・防腐対応LED照明！

塩害
対策済

防錆
防腐

特注商品

防錆・防腐塗装を施し、耐塩害性能を追加。

海岸付近などの塩害地での使用に適したLED照明です。

IP67の防塵・防水仕様なので屋外でも安心、粉塵や湿気のある工場・倉庫などでの使用も可能です。湾岸施設や海浜公園など、海岸付近の塩害地でも使用できる耐塩害地仕様のLED照明です。器具表面に特殊な加工を施し、防錆・防腐性能を高めました。

更に、国際電気標準会議IEC国際規格に基づく防爆認証Exd II CT6を得た製品も特注商品にございます。爆発性のある蒸気・ガスなどの危険物を扱う設備や工場などでの使用を想定して作られた高天井用LED照明です。（国内での防爆認証は受けておりませんが、塩害や塩素などが心配な場所でのご利用に適しています。）



TOUGHは、同等の明るさの水銀ランプと比べ、消費電力を約80%削減します。

光源寿命も約50000時間と水銀ランプの4倍以上の長寿命なので、高所取付やランプ交換の手間とコストを大幅に削減し、高天井などメンテナンスの困難な場所での使用に最適です。

ハイパワーLED照明は発光する際に大量の熱を発生させます、その熱がLEDや電源部分に影響を及ぼし、照明器具全体の「寿命の低下」に繋がります。一般的な高出力LED照明はボディー背面で放熱を行いますが、この方法では熱対流で起こる熱溜りが発生し、効率の良い放熱ができずにボディー温度の上昇に繋がってました。MCビューライトはジェットエンジンのように放熱フィンをLEDの周囲に配置し、効率よく通気させることで熱溜りをなくし、ボディー全体の温度の上昇を防いでいます。

PR-DOME MOVING ムービング人感センサー

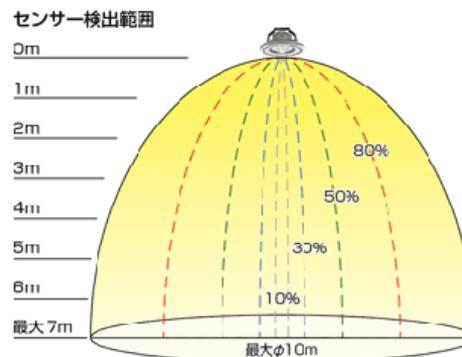
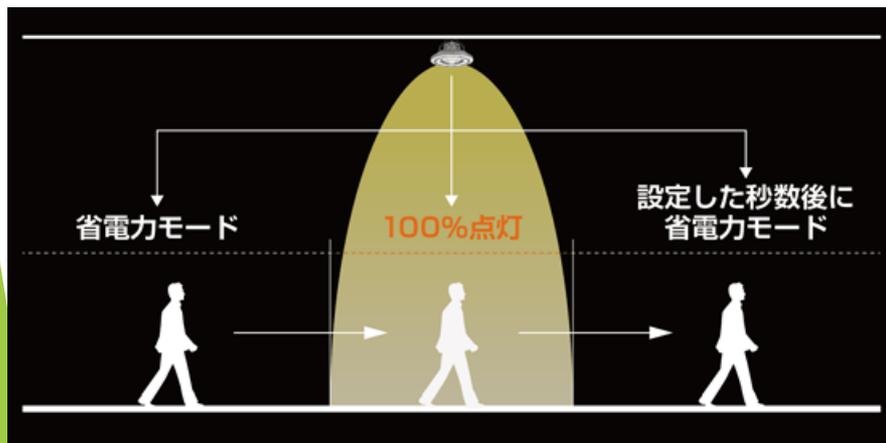
特注商品

人の動きを感知して点灯する人感センサーを搭載。

人が近づくと100%の明るさで点灯し、人が離れると明るさを落として省電力モードに切替わるので、無駄な点灯を抑えコストを削減できます。人通りの少ない倉庫や廊下、駐車場などに設置すると節電に効果的です。



人がいる時は、人が離れると自動で明るさを落とし、省電力モードに切替わります。人が離れた後、省電力モードに切替わるまでの時間を5秒・15秒・3分・5分から設定できます。また、人感センサーが稼働するために必要な周囲の明るさの設定も可能です。



PR-DOME **ER** エマージェンシーレスキュー

特注商品

非常用電源搭載タイプは、停電時でも電源が確保できる非常用電源を搭載しました。通常点灯時に非常用電源に常時充電し、停電時に電源を自動的に切り替え点灯を維持します。60Wタイプで約2時間30分の非常用の灯りを維持します。防水性能はIP65。非常用電源を本体にコンパクトに収めたので、設置にも場所をとりません。

約50000時間のと水銀灯の4倍以上の長寿命なので、高所取付やランプ交換の手間とコストを大幅に削減し、高天井などメンテナンスの困難な場所での使用に最適です。

いざ！地震発生時に頼りになる電源付き高天井用LED照明！災害から逃げ延びる時間に点灯します！



PR-DOME HAND ハンディーライト

特注商品



性能試験合格証書



PRODUCT CERTIFICATE

CCIC

Registration No. CQC130108999

NAME AND ADDRESS OF THE APPLICANT
Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
No. 209 Shifeng Road, Jinhua City, Zhejiang Province, P.R. China

NAME AND ADDRESS OF THE MANUFACTURER
Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
No. 209 Shifeng Road, Jinhua City, Zhejiang Province, P.R. China

NAME AND ADDRESS OF THE FACTORY
Zhejiang Mingchuang Optoelectronic Technology Co., Ltd. (P17433)
No. 209 Shifeng Road, Jinhua City, Zhejiang Province, P.R. China

NAME, MODEL AND SPECIFICATION
Luminaires For Road and Street Lighting (Type 4) that Conform to A.C. Supplied Electronic Contactor For LED Modules (Class 1) (P18, 40°C)
ML-400-400W (1*10W/LED Module) / ML-300-300W (1*10W/LED Module) / ML-180-180W (1*10W/LED Module) / Z20V - 85W

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS
GB7000.0-2005, GB7000.1-2007, GB7145-2007, GB17625.1-2003, GB17625.2-2001

CERTIFICATION MODEL
Type Testing of Product / Initial Factory Inspection / Follow-up Factory Inspection

This is to certify that the above mentioned products have met the requirements of certification scheme CQC13-003120-010.

Date of Issue: Jan. 14, 2017
Date of expiry: Jan. 14, 2017
Validity of this certificate is subject to positive result of the regular follow-up inspection by issuing certification body.

President: Wang Kejian

CHINA QUALITY CERTIFICATION CENTRE
Section 9, No. 148 Anlihexuan Xilu, Beijing 100070 P.R. China
http://www.cqc.com.cn

C: 0040268

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 01713E2609R1S

We hereby certify that
Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
No.209 Shifeng Road, Jinhua City, Zhejiang Province, China. 321000

has been awarded this certificate for compliance with the standard
GB/T28001-2001/OHSAS 18001:2007

Scope of certification/registration
Occupational Health & Safety Management Related to the Design and Production of LED Lamps (Except to Compulsory Produce Certification) of LED Lighting Fixture of Zhejiang Mingchuang Optoelectronic Technology Co., Ltd. Located at No.209 Shifeng Road, Jinhua City, Zhejiang Province, China

Initial Issuance Date: 2014-06-17
This certificate is valid during: 2012-06-19 - 2015-06-18 Date of Tick: 2014-06-17

The certificate is valid within the scope of validity of the administrative and application required to accordance with the regulation of PRC.
The effectiveness of this certificate shall be subjected to annual surveillance audits of SCQR. The certificate shall be valid for one year together with the surveillance audit conditions. Effective date of expiration of certificate: http://www.ccc.com.cn

Beijing Xingguo Global Certification Co., Ltd.
Room 3405, 6/F, No. 6 Guangrong Street, Xichang District, Beijing, 100031, P.R. China

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Registration No. 01713E2609R1S

We hereby certify that
Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
No.209 Shifeng Road, Jinhua, Zhejiang, China. 321000

has been awarded this certificate for compliance with the standard
GB/T24001-2004/ISO14001:2004

Scope of certification/registration
Environmental Management Related to the Design and Production of LED Lamps (Except to Compulsory Produce Certification) of LED Lighting Fixture of Zhejiang Mingchuang Optoelectronic Technology Co., Ltd. Located at No.209 Shifeng Road, Jinhua, Zhejiang, China

Initial Issuance Date: 2013-12-19
This certificate is valid during: 2013-12-19 - 2016-12-18

The certificate is valid within the scope of validity of the administrative and application required to accordance with the regulation of PRC.
The effectiveness of this certificate shall be subjected to annual surveillance audits of SCQR. The certificate shall be valid for one year together with the surveillance audit conditions. Effective date of expiration of certificate: http://www.ccc.com.cn

Beijing Xingguo Global Certification Co., Ltd.
Room 3405, 6/F, No. 6 Guangrong Street, Xichang District, Beijing, 100031, P.R. China

OHSAS 18001

Certificate

Certificate No: 11412S109780R04

This is to certify that the Occupational Health And Safety Management System of
ZHEJIANG MINGCHUANG OPTOELECTRONIC TECHNOLOGY CO., LTD
No.209 Shifeng Road, Jinhua, Zhejiang, China. P.C. 321000

Has been audited to conform to the following Occupational Health And Safety Management System standard
GB/T 28001-2001

This Occupational Health And Safety Management System is valid for the design, production of LED lighting lamps (except those required by authorization to Occupational Health & Safety management activities in the involved sites of Zhejiang Mingchuang Optoelectronic Technology Co., Ltd. B in situated at No.209 Shifeng Road, Jinhua, Zhejiang, China

Date of Issue: 06.30.2012
Valid until: 06.30.2015

Issued by: Xu Tingping

Beijing Xingguo Global Certification Co., Ltd.
Room 3405, 6/F, No. 6 Guangrong Street, Xichang District, Beijing, 100031, P.R. China

OHSAS 18001

Certificate

Certificate No: 11412S109780R04

This is to certify that the Occupational Health And Safety Management System of
ZHEJIANG MINGCHUANG OPTOELECTRONIC TECHNOLOGY CO., LTD
No.209 Shifeng Road, Jinhua, Zhejiang, China. P.C. 321000

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Date of Issue: 06.30.2012
Valid until: 06.30.2015

Issued by: Xu Tingping

Beijing Xingguo Global Certification Co., Ltd.
Room 3405, 6/F, No. 6 Guangrong Street, Xichang District, Beijing, 100031, P.R. China

CERTIFICATE OF CONFORMITY

Reference No.: LC814872410058

Applicant: Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
Address: No.209 Shifeng Road, Jinhua City, Zhejiang Province, China

Product: LED Movable Work Light

Model(s): See Annex 1

Trade Mark: MCLLED

The submitted products have been tested by us with the listed standards and found in compliance with the following European Directives:
The EMC Directive 2004/108/EC
EN 55015: 2013, EN 55147: 2009

The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific tests carried out. This certificate applies specifically to the samples investigated in our test reference number only.

The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.
Other relevant Directives have to be observed.

CE

Shenzhen LCC Compliance Testing Laboratory Ltd.
1/F, Xingguo Industrial Park, Tingle Road, Bao'an Area, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)755-82591332
http://www.lcc-test.com

CERTIFICATE OF CONFORMITY

Reference No.: LC814872410058

Applicant: Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
Address: No.209 Shifeng Road, Jinhua City, Zhejiang Province, China

Product: LED Movable Work Light

Trade Mark: MCLLED

Model(s): MFC000-1/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-2/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-3/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-4/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-5/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-6/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-7/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-8/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-9/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)
MFC000-10/Y (represent 50W, 60W, 70W, 80W, 90W, 100W, 110W, 120W, 130W, 140W, 150W, 160W, 170W, 180W, 190W, 200W)

Parameters: DC10-24V Max.200W, 9W

The submitted products have been tested by us with the listed standards and found in compliance with the following European Directives:
The LVD Directive 2006/95/EC
EN 60529-1: 2005+A11: 2005, EN 60529-2-1: 1997, EN 60529-2-2: 1995, EN 60529-2-3: 1995, EN 62031: 2004+A1: 2011, EN 62031: 2004+A1: 2011, EN 62483: 2010, EN 62483-1: 2008+A1: 2011+A2: 2013, EN 61347-2-13: 2006

The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific tests carried out. This certificate applies specifically to the sample investigated in our test reference number only. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.
Other relevant Directives have to be observed.

CE

Shenzhen LCC Compliance Testing Laboratory Ltd.
1/F, Xingguo Industrial Park, Tingle Road, Bao'an Area, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)755-82591332
http://www.lcc-test.com

CERTIFICATE OF CONFORMITY

Reference No.: LC814872410058

Applicant: Zhejiang Mingchuang Optoelectronic Technology Co., Ltd.
Address: No.209 Shifeng Road, Jinhua City, Zhejiang Province, China

Product: LED Movable Work Light

Trade Mark: MCLLED

Model(s): See Annex 1

The test report is issued by the Company subject to the General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional venue default terms. The results shown in this test report refer only to the samples tested unless otherwise stated. This Test Report cannot be reprinted, except in full, without your written permission of the Company.
Other relevant Directives have to be observed.

RoHS

Shenzhen LCC Compliance Testing Laboratory Ltd.
1/F, Xingguo Industrial Park, Tingle Road, Bao'an Area, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)755-82591332
http://www.lcc-test.com

適合証明書
Certificate of Conformity

Reference No.: LC814872410058

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Address: No.209 Shifeng Road, Jinhua City, Zhejiang Province, China

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http://www.lcc-test.com

THE REGISTRY OF PATENTS SINGAPORE

THE PATENTS ACT (CHAPTER 221)

CERTIFICATE OF GRANT OF PATENT

In accordance with section 33 of the Patents Act, it is hereby certified that a patent bearing the Pat. No. 17796 (P/O 300645636) has been granted in respect of an invention having the following particulars:

Title: **ROAD POWER LED LAMP**

Application Number: 20060818-4

Date of Filing: 06 June 2006

Priority Date: 7 June 2007 - PATENT APPLICATION NO. 2007100223 (CHINA)

Name of Inventor(s): **FU DE-SHANG, FANG JIANG-MING, WANG JIANG, SUN GUO-QIANG**

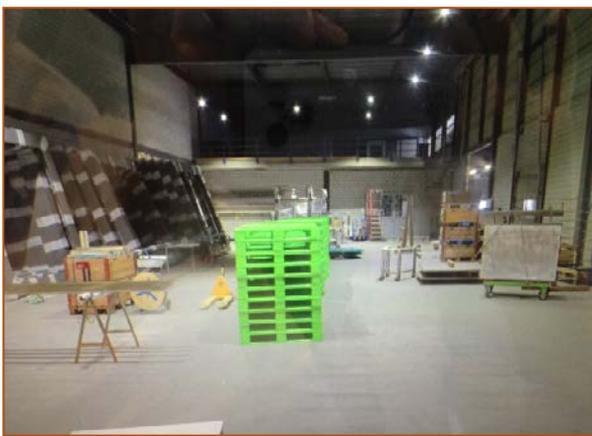
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Date of Grant: 13 June 2012

Grant date 13th day of June 2012.

ShenJin-Yuan Pin Lin (張) Deputy Registrar of Patents Singapore

設置事例



設置事例 (野外投光器)



設置事例 (トンネル内)

