

New 2017 /

Led Lighting Catalogue

宁波燎原照明事业有限公司

中国浙江省余姚市经济开发区(南区)
电话: (0574) 62598684 62598708 62592273
传真: (0574) 62599317
邮编: 315408
网址: www.nbliayuanlighting.com
邮箱: lighting@nbliayuan.com

燎原荣景环境照明设计(北京)有限公司

北京市朝阳区望京SOHO-T1C2002
电话: 010-64782531
传真: 010-64782531
邮箱: blueleo@263.net

燎原(欧洲)推广中心及技术服务中心

地址: 德国法兰克福
服务热线: 13586775718

NINGBO LIAOYUAN LIGHTING INDUSTRY CO.,LTD.

South Section, Yuyao Economic Development Zone, Yuyao, Zhejiang, China
Tel: (0574) 62598684 62598708 62592273
Fax: (0574) 62599317
P.C: 315408
Http://www.nbliayuanlighting.com
E-mail: liaoyuan@nbliayuan.com

LIAOYUAN GROUP Lighting (Beijing) CO.,LTD.

Room T1C2002, WangJingSOHO, BEIJING OF CHINA
Tel: 010-64782531
Fax: 010-64782531
E-mail: blueleo@263.net

LIAOYUAN Lighting GmbH.Gr

Add: 4. OG, MB4, Bauteil B, Robert-Bosch-Strabe 11, Langen (Hessen) 63225 Germany
Hotline: 13586775718

售后专线: 0574-62598708

HOTLINE: 86-0574-62598708



Since 1984

专注照明 **30TH** 年
ANNIVERSARY

LED Street Lighting Series

道路工业照明系列

户外 Outdoor

路灯
LED Street light



NBDD-LED-290D
P1~2



NBDD-LED-290E
P3~4



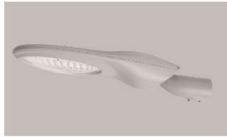
NBDD-LED-290F
P5~6



NBDD-LED-600A
P7~8



NBDD-LED-600B
P9~10



NBDD-LED-600mini
P11~12



NBDD-LED-290A
P13~14



NBDD-LED-290B
P15~16



NBDD-LED-290B(G)
P17~18



NBDD-LED-290M
P19~20



NBDD-LED-400A
P21~22



NBDD-LED-400B
P23~24



NBDD-LED-400
P25~26



NBDD-LED-500
P27~28



NBDD-LED-500B
P29~30

户外 Outdoor

路灯
LED Street light



NBDD-LED-390
P31~32



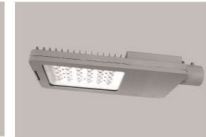
NBDD-LED-900B
P33~34



NBDD-LED-90A
P35~36



NBDD-LED-90B
P37~38



NBDD-LED-420
P39



NBDD-LED-260
P40



NBDD-LED-210
P41



NBDD-LED-180
P42



NBDD-LED-25A
P43



NBDD-LED-25B
P44



NBDD-LED-18
P45~46



NBDD-LED-130
P47~48



NBDD-LED-130B
P49~50



NBDD-LED-150
P51~52



NBDD-LED-160
P53~54

LED Street Lighting Series

道路工业照明系列

户外 Outdoor

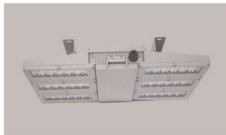
路灯
LED Street light



NBDD-LED-230
P55-56

户外 Outdoor

隧道灯
LED Tunnel light



NBS-LED-10
P57-58



NBS-LED-11
P59-60



NBS-LED-12
P61-62



NBS-LED-18
P63-64

户外 Outdoor

庭院灯
LED Garden Light



NBT-LED-92
P65-66



NBT-LED-99
P67-68



NBT-LED-101
P69-70



NBT-LED-101A
P71-72



NBT-LED-113
P73-74



NBDD-LED-260F
P75-76

户外 Outdoor

庭院灯
LED Garden Light



NBT-LED-998
P77-78

户外 Outdoor

投光灯
LED Flood Light



NTG-LED-81
P79-82



NTG-LED-81(H)
P79-82



NTG-LED-71
P83-86



NTG-LED-61
P87-90



NTG-LED-51
P91-92



NTG-LED-50
P91-92



NTG-LED-01
P93-94

户外 Outdoor

桥梁灯
LED Bridge Light



NBDD-LED-301A
P95-96



NBDD-LED-301B
P95-96



NZD-LED-01
P97-98

LED Industrial Lighting Series

道路工业照明系列

工业 Industrial

高/低棚灯
LED High Bay Light



NGC-LED-81
P99~100



NGC-LED-01
P101~104



NGC-LED-02
P105~106



NGC-LED-03
P107~110



NGC-LED-04
P111~112

工业 Industrial

罩棚灯
LED Canopy Light



NBGS-LED-01A/B/C
P113~114

防爆 Explosion-proof

防爆灯
LED Explosion-proof Light



LYDB001-LED
P115~116



LYDB002-LED
P117~118



LYDB003-LED
P119~120



LYDB-LED-817E
P121~122





Company Profile / 公司介绍

宁波燎原创立于1984年，现已成为国际知名的特种照明灯具和特种钢材生产企业，涉足照明、电力输配、通信、新能源等领域。宁波燎原照明事业有限公司总部位于浙江宁波，下属德国索拉有限公司，燎原荣誉环境照明设计（北京）有限公司，宁波燎原市政工程有限公司。公司先后被国家有关部门评定为“国家级高新技术企业”、“中国名牌产品”、“中国驰名商标”、“中国行业标志性品牌”、国家863计划项目和国家重大科技攻关项目承担单位。“燎原”品牌是中国工商总局认定的中国驰名商标。

公司位于余姚经济开发区南区，占地面积2360000平米，员工800余人，其中大专以上学历科技人员500余人。公司主要生产和经营大功率LED路灯、工矿灯、防爆灯、500W投光灯、隧道灯、庭院灯、景观灯等特种照明灯具以及电力杆、通信杆、四管塔等产品，已形成较完整的产品体系和年产70万套大功率绿色照明灯具的生产能力。经过近30年的行业积累，公司建立了覆盖全国四十多个省市的营销与服务网络，客户遍布世界70多个国家和地区。与复旦大学、浙江大学、中国计量大学等高校建立了产学研合作关系，燎原灯具拥有130余项发明专利，外观专利和实用新型专利，为浙江省专利示范企业。

公司先后通过了ISO9001质量，ISO14001环境及职业健康安全管理体系等认证，德国GS，欧盟CE，ENEC，美国UL等产品认证，技术及管理水平，行业领先，公司为宁波市制造业百强企业。

企业拥有城市及道路照明工程专业一级施工资质。涌现出了一大批重点工程：港珠澳大桥工程、杭州湾大桥工程、宁波EMC节能合作工程、南宁EMC节能合作工程、青岛重庆路工程、杭州紫金港隧道、云南武昆高速隧道工程、麻昭高速隧道工程，广州大道工程，苏州江阴港城大道太阳能工程，德国、荷兰LED道路工程，迪拜太阳能工程，非洲几内亚太阳能工程、非洲贝宁太阳能工程、澳大利亚奥尔斯顿维尔LED道路工程等。

公司秉承打造百年燎原的使命，通过引进高端人才，创建国际品牌，实施开放式创新等战略，不断向石油化工，港口码头，建筑等照明领域拓展，全面构造公司的核心竞争力，并与美国科锐Cree，荷兰飞利浦等公司结成战略合作联盟，努力使公司成为全球优秀的绿色照明产品研发和生产基地。

Ningbo Liaoyuan Group established in 1984, it is becoming an international well-known outdoor lighting and special steel pole production enterprises, involved in lighting, power distribution, communication, new energy and other fields. The headquarters of Ningbo Liaoyuan Lighting Industry Company Limited is located in Ningbo, Zhejiang, with three subsidiaries including Süd Solar GmbH(Germany), Liaoyuan Group Lighting(Beijing) Co., LTD. and Ningbo Liaoyuan Municipal Engineering Co., Ltd.

The company is located in South Section, Yuyao Economic Development Zone, Yuyao, Zhejiang, covering an area of 236,000 square meters and owning registered capital of RMB30 million. Company owns 800 staffs, including more than 500 technical person. The company mainly produces and sells high-power LED street lights, high bay lights, explosion-proof lights, 500 watts flood lights, tunnel lights, garden lights, landscape, power pole, communication pole, 4-pipe tower and other products. The company has formed relatively complete product system. Also it has the annual production capability of 700,000 sets of high power green lights. After nearly 30 years of the industry accumulation, Liaoyuan has established marketing and service network which covering more than 40 provinces and cities nationwide, our customers are in more than 70 countries and regions of the world. Company established good cooperative relationship in research with institutions such as Fudan, Tsinghua, Zhejiang University and China Jiliang University. We have more than 130 patents, including invention patents, utility model patents and design patents, and we are the "Zhejiang patent demonstration enterprises".

Liaoyuan has been certificated of ISO9001 QMS, ISO 14001 EMS and OHSMS, and Liaoyuan also passed a series of authoritative certification including GS, CE, ENEC, UL. It is processing ahead to a top brand in intelligent lighting industry, company is one member of the top 100 enterprises in ningbo manufacturing.

Liaoyuan Group has 1-level construction qualification in city and road lighting. It has emerged a large number of Key projects, such as Hongkong-Zhuhai-Macao Bridge project, Hangzhou Bay Bridge project, Ningbo EMC project, Nanning EMC project, Qingdao chongqing road project, Hanzhou zijingang tunnel, Yunnan wukun tunnel project, Mazhao tunnel project, Guangzhou road project, Suzhou jiangyinggangcheng road solar energy project, Germany, Netherlands LED road project, Dubai solar energy project, Guinea(Africa) solar energy project, Benin(Africa) solar energy project, Alston(Australia) LED road project.

Company adhering to build a "century Liaoyuan", company constructs the core competitiveness in the lighting industry, by recruiting talents, creating international brands, and implementing the strategy of open innovation, etc. And also our company formed a strategic alliance with Cree (United States), Philips(Netherlands) and Samsung(Korea), in order to being the world's green lighting product development and production base.

Qualification / 资质证书

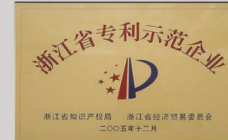
Cultural Ideas / 企业理念

我们的愿景：成为行业的领军品牌。

我们的使命：做强做大，打造百年燎原。

Our vision: To be a leading company in lighting industry

Our mission: Maintai remarkable developing and perform a lasting achievement



Facilities / 厂房设备

1. LMT GO-DS 1600大型分布光度计

2. SIG-400近场光学检测系统

3. 贴片车间

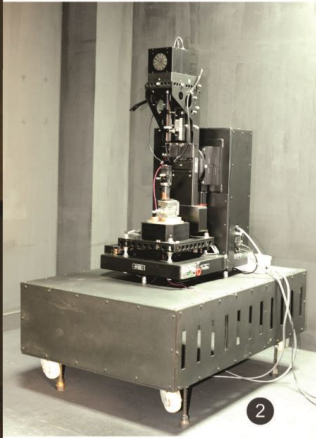
4. 压铸车间

1. LMT GO-DS 1600 Goniophotometer

2. SIG-400 Near Field Optical Test System

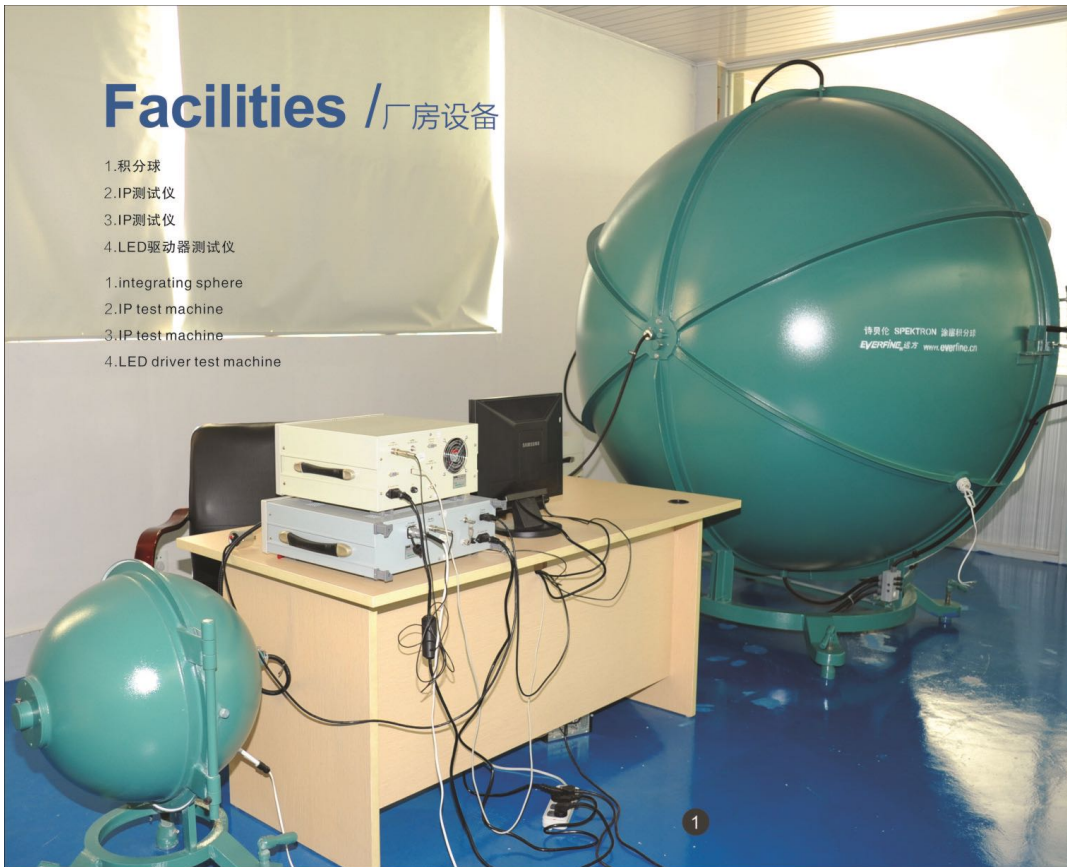
3. SMT Workshop

4. Die Casting Workshop



Facilities / 厂房设备

- 1. 积分球
- 2. IP测试仪
- 3. IP测试仪
- 4. LED驱动器测试仪
- 1. integrating sphere
- 2. IP test machine
- 3. IP test machine
- 4. LED driver test machine



NBDD-LED-290D



应用场合: 街道、道路

主要特性:

- 主要特性
- 整灯防护等级IP66
- 整灯光效可达每瓦120流明
- 现代化流线感铝压铸灯体
- 安装角度可调, 具备横装和竖装两种安装方式
- 免工具灯体分离设计
- 全封闭钢化玻璃罩
- 内部配置防雷保护器

技术数据:

- 电器绝缘等级: I级 II级
- 电源电压: 120-277V-50/60Hz
- LED电流: 530/700/1050mA
- 功率因素: >0.95
- 工作环境: -35℃to+45℃
- 使用寿命: >50,000hrs
- 显色指数CRI:Ra>70
- 色温CCT:暖色白光 (3000-3700K)
- 自然白光 (3700-5000K)和冷白光 (5000-6500K)
- 灯具净重 (最大功率): 9.5kg

Application: Street

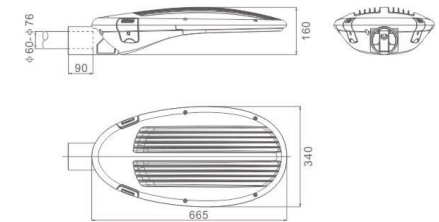
Main Features:

- IP66 protection degree
- Luminous efficacy is more than 120 lm/W
- Modern streamline die-casting aluminum housing
- Adjusted fixing system: top or side mounting
- Tool-free lighting housing separation design.
- Closure screen in flat tempered glass
- Integrated surge protection device

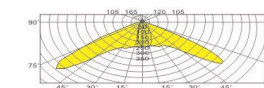
Technical Data:

- Insulation class:II
- Power supply: 120-277V(50/60Hz)
- LED current:530/700/1050mA
- Power Factor:>0.95
- Working Ambient: -35℃to+45℃
- Life span: >50,000hrs
- CRI:Ra>70
- CCT:Warm White (3000-3700K)
- Neutral White (3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max:Watt) : 9.5kg

灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram

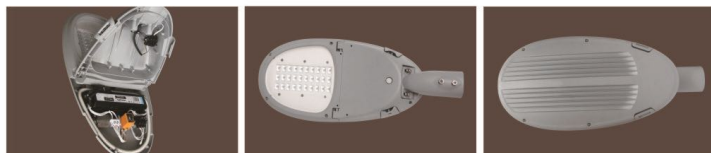


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
24	700mA	50W	5500lm
	1050mA	80W	8000lm
30	700mA	65W	7150lm
	1050mA	100W	10000lm
48	700mA	100W	11000lm
	1050mA	150W	15000lm
72	530mA	120W	13800lm
	700mA	150W	16500lm

*CCT is Cool White @ 25℃

NBDD-LED-290E



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
9	700mA	20W	2400lm
15	700mA	30W	3600lm
18	700mA	40W	4800lm
24	700mA	50W	6000lm
30	700mA	65W	7800lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

- 主要特性
- 整灯防护等级IP66
- 整灯光效可达每瓦120流明
- 现代化流线感铝压铸灯体
- 安装角度可调, 具备横装和竖装两种安装方式
- 免工具灯体分离设计
- 全封闭钢化玻璃罩
- 内部配置防雷保护器

技术数据:

- 电器绝缘等级: I级 II级
- 电源电压: 120-277V-50/60Hz
- LED电流: 700mA
- 功率因素: >0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: >50,000hrs
- 显色指数CRI:Ra>70
- 色温CCT:暖色白光 (3000-3700K)
- 自然白光 (3700-5000K)和冷白光 (5000-6500K)
- 灯具净重 (最大功率): 5kg

Application: Street

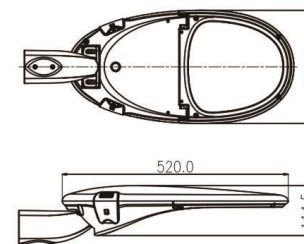
Main Features:

- IP66 protection degree
- Luminous efficacy is more than 120 lm/W
- Modern streamline die-casting aluminum housing
- Adjusted fixing system: top or side mounting
- Tool-free lighting housing separation design.
- Closure screen in flat tempered glass
- Integrated surge protection device

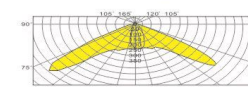
Technical Data:

- Insulation class: I II
- Power supply: 120-277V(50/60Hz)
- LED current: 700mA
- Power Factor: >0.95
- Working Ambient: -40°C--+55°C
- Life span: >50,000hrs
- CRI:Ra>70
- CCT:Warm White (3000-3700K)
- Neutral White (3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max:Watt) : 5kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-290F



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
80	750mA	180W	19800lm
96	700mA	200W	22000lm
	850mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

- 主要特性
- 整灯防护等级IP66
- 整灯光效可达每瓦120流明
- 现代化流线感铝压铸灯体
- 安装角度可调, 具备横装和竖装两种安装方式
- 免工具灯体分离设计
- 全封闭钢化玻璃罩
- 内部配置防雷保护器

技术数据:

- 电器绝缘等级: I级 II级
- 电源电压: 120-277V-50/60Hz
- LED电流: 350-1050mA
- 功率因素: >0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: >50,000hrs
- 显色指数CRI:Ra>70
- 色温CCT:暖色白光 (3000-3700K)
- 自然白光 (3700-5000K)和冷白光 (5000-6500K)
- 灯具净重 (最大功率): 13kg

Application: Street

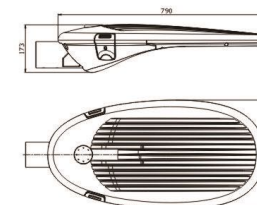
Main Features:

- IP66 protection degree
- Luminous efficacy is more than 120 lm/W
- Modern streamline die-casting aluminum housing
- Adjusted fixing system: top or side mounting
- Tool-free lighting housing separation design.
- Closure screen in flat tempered glass
- Integrated surge protection device

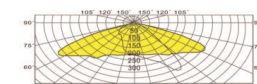
Technical Data:

- Insulation class: I II
- Power supply: 120-277V(50/60Hz)
- LED current: 350-1050mA
- Power Factor: >0.95
- Working Ambient: -35°Cto+45°C
- Life span: >50,000hrs
- CRI: Ra>70
- CCT: Warm White (3000-3700K)
- Neutral White (3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max:Watt): 13kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-600A



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
64	530mA	100W	11500lm
	700mA	140W	15400lm
	1050mA	200W	20000lm
80	530mA	150W	16500lm
	700mA	180W	19800lm
	1050mA	250W	25000lm
96	530mA	150W	13500lm
	700mA	200W	22000lm
112	530mA	180W	20700lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

- 整灯光效可达每瓦120流明
- 流线型一体铝压铸灯体
- 全封闭钢化玻璃罩
- 内部配备防雷击保护器
- 具备横装和竖装两种安装方式

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V- 50/60Hz
- LED电流: 530/700/1050mA
- 功率因素: >0.95
- 工作环境: -35°C to +45°C
- 使用寿命:>50,000hrs
- 显色指数CRI:Ra≥70
- 色温CCT:暖色白光 (3000-3700K)
- 自然白光(3700-5000K)和冷白光 (5000-6500K)
- 灯具净重 (最大功率): 13.5kg

Application: Street

Main Features:

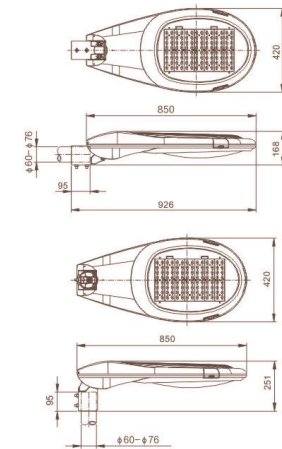
- Luminaire Efficiency up to 120lm/Wattage
- Streamlined die-casting aluminum body
- Closure screen in flat tempered glass cover
- Integrated surge protection device
- Two fixing system: Post top or arm mounting

Technical Data:

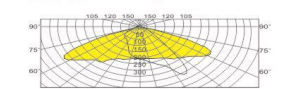
- IP66 protection degree
- Insulation class:I
- Power supply:120-277V- 50/60Hz
- LED current:530/700/1050mA
- Power Factor: >0.95
- Working Ambient: -35°C to +45°C
- Life Span:>50,000hrs
- CRI:Ra≥70
- CCT:Warm White (3000-3700K)
- Neutral White(3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max.Wattage) : 13.5kg

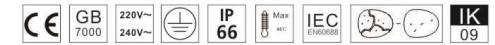


灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram





NBDD-LED-600B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
32	530mA	50W	5750lm
	700mA	60W	6600lm
	1050mA	100W	10000lm
48	530mA	80W	9200lm
	700mA	100W	11000lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯防护等级IP66
整灯光效可达每瓦120流明
现代化流线铝压铸灯体
安装角度可调, 具备横装和竖装两种安装方式
全封闭钢化玻璃罩
内部配置防雷保护器

技术数据:

电器绝缘等级: I级
电源电压: 120-277V-50/60Hz
LED电流: 530/700/1050mA
功率因素: >0.95
工作环境: -35°Cto+45°C
使用寿命: >50,000hrs
显色指数CRI:Ra>70
色温CCT:暖色白光 (3000-3700K)
自然白光 (3700-5000K)和冷白光 (5000-6500K)
灯具净重 (最大功率): 8.5kg

Application: Street

Main Features:

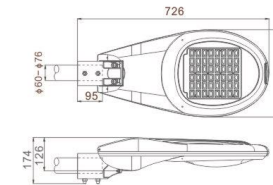
IP66 protection degree
Luminous efficacy is more than 120 lm/W
Modern streamline die-casting aluminum housing
Adjusted fixing system: top or side mounting
Closure screen in flat tempered glass
Integrated surge protection device

Technical Data:

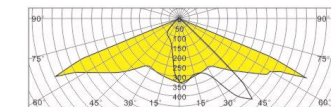
Insulation class:I
Power supply: 120-277V(50/60Hz)
LED current: 530/700/1050mA
Power Factor:>0.95
Working Ambient: -35°Cto+45°C
Life span: >50,000hrs
CRI:Ra>70
CCT:Warm White (3000-3700K)
Neutral White (3700-5000K) and Cool White (5000-6500K)
Net Weight (Max:Watt): 8.5kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-600mini



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
16	700mA	35W	3850lm
	1050mA	50W	5000lm
18	350mA	20W	2400lm
	530mA	30W	3450lm
	700mA	40W	4400lm
24	350mA	25W	3000lm
	530mA	40W	4600lm
	700mA	50W	5500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

- 整灯光效可达每瓦120流明
- 免工具安装与维修
- 流线型一体铝压铸灯体
- 全封闭钢化玻璃罩
- 内部配备防雷击保护器
- 具备横装和竖装两种安装方式

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: II级/级
- 电源电压: 120-277V- 50/60Hz
- LED电流: 350/530/700/1050mA
- 功率因素: >0.95
- 工作环境: -35°C to +45°C
- 使用寿命:>50,000hrs
- 显色指数CRI: Ra≥70
- 色温CCT: 暖色白光 (3000-3700K)
- 自然白光(3700-5000K)和冷白光 (5000-6500K)
- 灯具净重 (最大功率) : 4.8kg

Application: Street

Main Features:

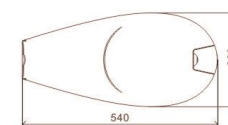
- Luminaire Efficiency up to 120lm/Wattage
- Tool-free access installation and maintenance
- Streamlined die-casting aluminum body
- Closure screen in flat tempered glass cover
- Integrated surge protection device
- Two fixing system: Post top or arm mounting

Technical Data:

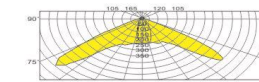
- IP66 protection degree
- Insulation class:II/I
- Power supply:120-277V- 50/60Hz
- LED current:350/530/700/1050mA
- Power Factor: >0.95
- Working Ambient: -35°C to +45°C
- Life Span:>50,000hrs
- CRI:Ra≥70
- CCT:Warm White (3000-3700K)
- Neutral White(3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max.Wattage) : 4.8kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-290A



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
60	530mA	100W	11500lm
	700mA	130W	14300lm
	1050mA	180W	18000lm
90	530mA	150W	17250lm
	700mA	200W	22000lm
112	530mA	200W	23000lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

- 整灯光效超过每瓦120流明
- 现代感流线型铝压铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 具备横装或竖装两种安装方式
- 内部配备防雷击保护器
- 通过CE认证、UL认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 17kg

Application: Street

Main Features:

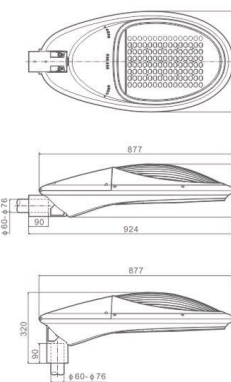
- Luminaire Efficiency is more than 120 lm/Wattage
- Modern streamline die cast aluminum case.
- Closure screen in flat tempered clear or frosted glass.
- Unique optical design creates consistent distribution and scalability.
- Adjustable fixing system: post top or arm mounting.
- Integrated surge protection device.
- CE certification&UL certification.

Technical Data:

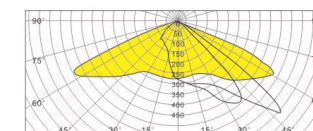
- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI: Ra ≥ 70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Wattage): 17kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram





NBDD-LED-290B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
24	700mA	50W	5500lm
	1050mA	80W	8000lm
48	530mA	80W	9200lm
	700mA	100W	11000lm
60	530mA	100W	11500lm
	700mA	120W	13200lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯防护等级IP66
整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证、UL认证

技术数据:

电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 10.5kg

Application: Street

Main Features:

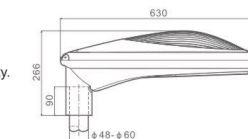
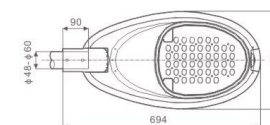
IP66 protection degree.
Luminous Efficacy is more than 120 lm/W.
Modern streamline die casting aluminum housing.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Adjustable fixing system: top or side mounting.
Integrated surge protection device.
CE certification&UL certification.

Technical Data:

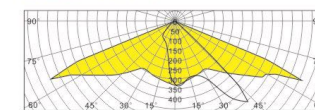
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 10.5kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram





NBDD-LED-290B (G)



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
24	700mA	50W	5500lm
	1050mA	80W	8000lm
48	530mA	80W	9200lm
	700mA	100W	11000lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯光效可达每瓦120流明
流线型一体铝压铸灯体
全封闭钢化玻璃罩
内部配备防雷击保护器
具备横装和竖装两种安装方式
光滑表面设计, 减少树叶堆积和鸟类停留

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V- 50/60Hz
LED电流: 530/700/1050mA
功率因素: >0.95
工作环境: -35°C to +45°C
使用寿命:>50,000hrs
显色指数CRI: Ra≥70
色温CCT:暖色白光 (3000-3700K)
自然白光(3700-5000K)和冷白光 (5000-6500K)
灯具净重 (最大功率): 10.5kg

Application: Street

Main Features:

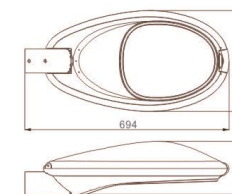
Luminaire Efficiency up to 120lm/Wattage
Streamlined die-casting aluminum body
Closure screen in flat tempered glass cover
Integrated surge protection device
Two fixing system: Post top or arm mounting

Technical Data:

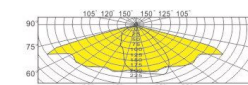
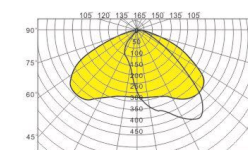
IP66 protection degree
Insulation class:I
Power supply:120-277V- 50/60Hz
LED current:530/700/1050mA
Power Factor: >0.95
Working Ambient: -35°C to +45°C
Life Span:>50,000hrs
CRI:Ra≥70
CCT:Warm White (3000-3700K)
Neutral White(3700-5000K) and Cool White (5000-6500K)
Net Weight (Max.Wattage) : 10.5kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram





【 ZL 2013 2 0475947.9 】
【 ZL 2013 1 0336811.4 】

NBDD-LED-290M



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
24	350mA	25W	3000lm
	530mA	40W	4600lm
	700mA	50W	5000lm
42	350mA	45W	5500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯防护等级IP66
整灯光效超过每瓦120流明
现代感流线型铝压铸壳体和铰链设计便于拆卸维修操作
全封闭钢化玻璃罩
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
光源区域和齿轮可拆卸
通过CE认证、UL认证

技术数据:

电器绝缘等级: I级 II级
电源电压: 120-277V - 50/60Hz.
LED 电流: 350/530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 10.5kg

Application: Street

Main Features:

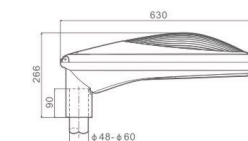
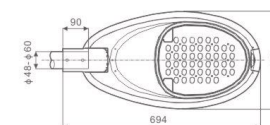
IP66 protection degree.
Luminous Efficacy is more than 120 lm/W.
Modern streamline die casting aluminum housing.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Adjustable fixing system: top or side mounting.
Integrated surge protection device.
CE certification&UL certification.

Technical Data:

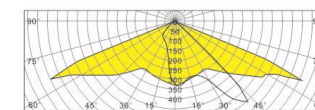
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 350/530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 10.5kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-400A



应用场合: 街道、道路

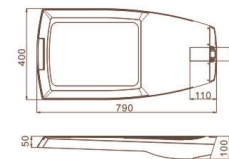
主要特性:

- 整灯光效超过每瓦120流明
- 现代感流线型铝压铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 内部配备防雷击保护器
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35℃to+45℃
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000 - 3700K) , 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 10.8kg

灯具尺寸
Product Dimensions(mm)



Application: Street

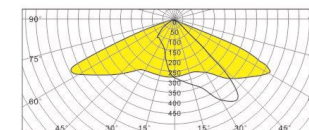
Main Features:

- Luminaire Efficiency is more than 120 lm/Wattage
- Modern streamline die cast aluminum case.
- Closure screen in flat tempered clear or frosted glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.
- CE certification.

Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35℃to+45℃
- Life Span: >50,000 hrs.
- CRI: Ra ≥ 70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Wattage): 10.8kg

配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
64	530mA	100W	11500lm
	700mA	140W	15400lm
	1050mA	200W	20000lm
80	530mA	150W	16500lm
	700mA	180W	19800lm
	1050mA	250W	25000lm
96	530mA	150W	13500lm
	700mA	200W	22000lm
112	530mA	180W	20700lm
	700mA	250W	27500lm

*CCT is Cool White @ 25℃

NBDD-LED-400B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
32	530mA	50W	5750lm
	700mA	60W	6600lm
	1050mA	100W	10000lm
48	350mA	50W	5500lm
	530mA	80W	9200lm
	700mA	100W	11000lm
64	350mA	65W	7800lm
	530mA	100W	11500lm
	700mA	120W	13500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器
通过CE认证

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 350/530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K),
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 8kg

Application: Street

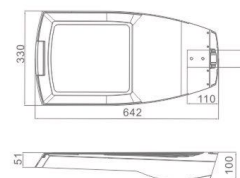
Main Features:

Luminaire Efficiency is more than 120 lm/Wattage
Modern streamline die cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.
CE certification.

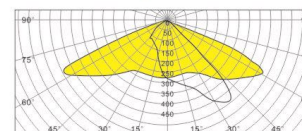
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 350/530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K)
and Cool White (5000 - 6500K)
Net Weight (Max. Wattage): 8kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram





【 ZL 2014 3 0341000.9 】
【 ZL 2011 3 0038056.3 】

NBDD-LED-400



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
60	530mA	100W	11500lm
	700mA	130W	14300lm
	1050mA	180W	18000lm
90	530mA	150W	17250lm
	700mA	200W	22000lm
112	530mA	200W	23000lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 15kg

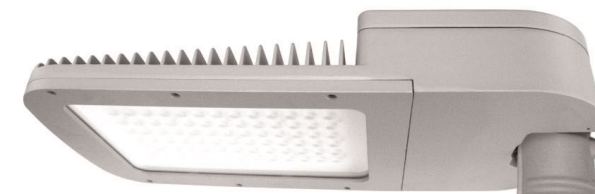
Application: Street

Main Features:

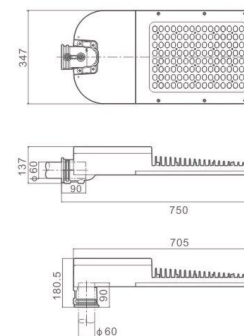
Luminaire Efficiency is more than 120 lm/Wattage
Modern streamline die cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Adjustable fixing system: post top or arm mounting.
Integrated surge protection device.
CE certification.

Technical Data:

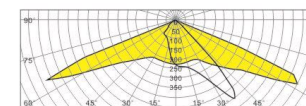
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K)
and Cool White (5000 - 6500K)
Net Weight (Max. Wattage): 15kg



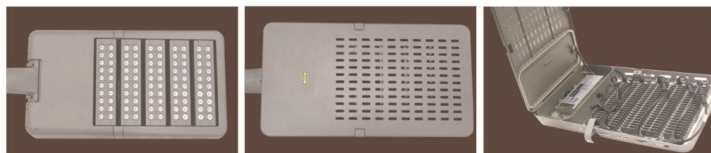
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-500



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
60	700mA	120W	13200lm
80	700mA	180W	19800lm
100	700mA	220W	24200lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高40瓦, 整灯可达200瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 11.2 kg

Application: Street

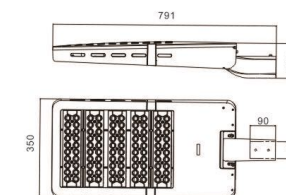
Main Features:

Luminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

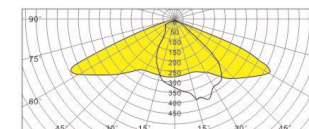
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V(50/60Hz)
LED current:700mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage):11.2kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-500B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
20	700mA	40W	4800lm
40	700mA	80W	9600lm
60	700mA	120W	14400lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高40瓦, 整灯可达200瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 8.5 kg

Application: Street

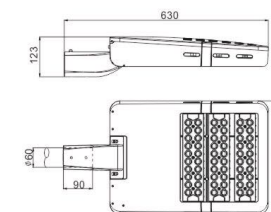
Main Features:

luminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

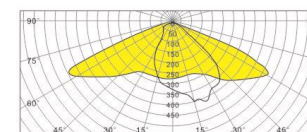
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V(50/60Hz)
LED current: 700mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage): 8.5 kg

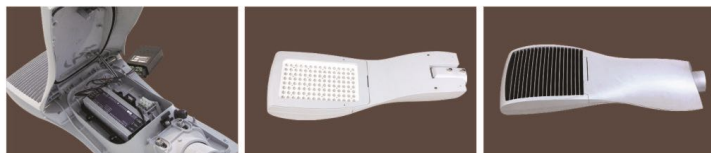
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-390



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
60	530mA	100W	11500lm
	700mA	130W	14300lm
	1050mA	180W	18000lm
90	530mA	150W	17250lm
	700mA	200W	22000lm
112	530mA	200W	23000lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率) : 19kg

Application: Street

Main Features:

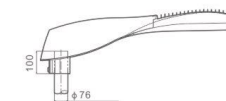
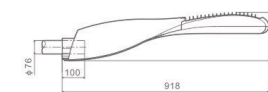
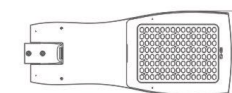
Luminaire Efficiency is more than 120 lm/Wattage
Modern streamline die cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Adjustable fixing system: post top or arm mounting.
Integrated surge protection device.

Technical Data:

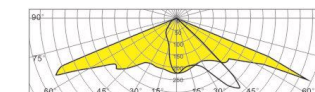
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K)
and Cool White (5000 - 6500K)
Net Weight (Max. Wattage): 19kg



灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-900B



应用场合: 街道、道路

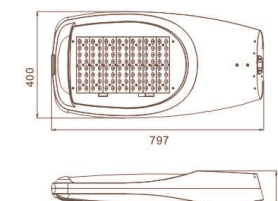
主要特性:

- 整灯光效可达每瓦120流明
- 流线型一体铝压铸灯体
- 全封闭钢化玻璃罩
- 内部配备防雷击保护器

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V- 50/60Hz
- LED电流: 530/700/1050mA
- 功率因素: >0.95
- 工作环境: -35℃ to +45℃
- 使用寿命:>50,000hrs
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000-3700K)
- 自然白光(3700-5000K)和冷白光 (5000-6500K)
- 灯具净重 (最大功率) : 13.5kg

灯具尺寸
Product Dimensions(mm)

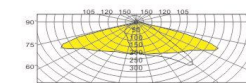


Application: Street

Main Features:

- Luminaire Efficiency up to 120lm/Wattage
- Streamlined die-casting aluminum body
- Closure screen in flat tempered glass cover
- Integrated surge protection device

配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
64	530mA	100W	11500lm
	700mA	140W	15400lm
	1050mA	200W	20000lm
80	530mA	150W	16500lm
	700mA	180W	19800lm
	1050mA	250W	25000lm
96	530mA	150W	13500lm
	700mA	200W	22000lm
112	530mA	180W	20700lm
	700mA	250W	27500lm

*CCT is Cool White @ 25℃

Technical Data:

- IP66 protection degree
- Insulation class:I
- Power supply:120-277V- 50/60Hz
- LED current:530/700/1050mA
- Power Factor: >0.95
- Working Ambient: -35℃ to +45℃
- Life Span:>50,000hrs
- CRI:Ra≥70
- CCT:Warm White (3000-3700K)
- Neutral White(3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max.Wattage) : 13.5kg



【 ZL 2013 1 0338336.4 】
【 ZL 2013 2 0473794.4 】

NBDD-LED-90A



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
48*2	1050mA	300W	30000lm
64*2	700mA	280W	30800lm
80*2	700mA	360W	40000lm
96*2	530mA	300W	34500lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 23kg

Application: Street

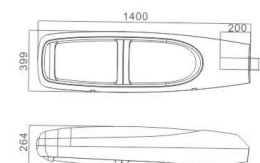
Main Features:

Luminaire Efficiency is more than 120 lm/Wattage
Modern streamline die cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.

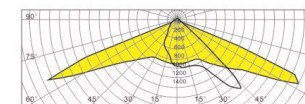
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K)
and Cool White (5000 - 6500K)
Net Weight (Max. Wattage): 23kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-90B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
64	700mA	140W	15500lm
80	700mA	180W	19800lm
96	530mA	150W	17250lm
112	530mA	180W	20700lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学透镜设计
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 13kg

Application: Street

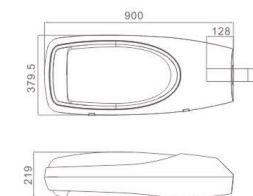
Main Features:

Luminaire Efficiency is more than 120 lm/Wattage
Modern streamline die cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.

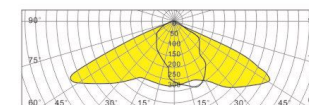
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K)
and Cool White (5000 - 6500K)
Net Weight (Max. Wattage): 13kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



Outdoor / 户外一路灯(LED Street light)

NBDD-LED-420

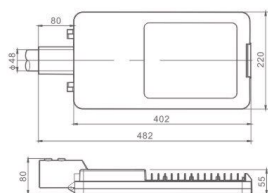


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

灯具尺寸 Product Dimensions(mm)



应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 6kg

Application: Street

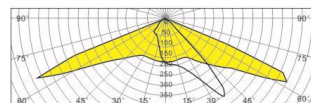
Main Features:

Luminaire Efficiency is more than 120 lm/Wattage
Modern streamline die cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.

Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Wattage): 6kg

配光曲线 Polar Diagram



Outdoor / 户外一路灯(LED Street light)

NBDD-LED-260

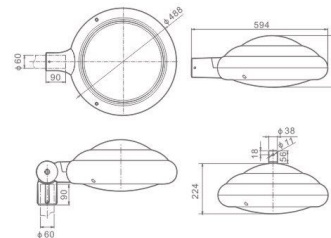


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

灯具尺寸 Product Dimensions(mm)



应用场合: 街道、道路

主要特性:

整灯防护等级IP66
整灯光效超过每瓦120流明
高压压铸铝壳体
全封闭钢化玻璃罩
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

技术数据:

电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率): 11kg

Application: Street

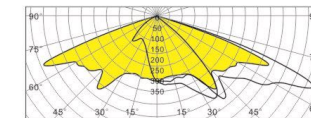
Main Features:

IP66 protection degree.
Luminous Efficacy is more than 120 lm/W.
High pressure diecasting aluminum housing.
Closure screen in tempered clear glass.
Adjustable fixing system: top or side mounting.
Integrated surge protection device.
CE certification.

Technical Data:

Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 11kg

配光曲线 Polar Diagram



Outdoor / 户外一路灯(LED Street light)

NBDD-LED-210

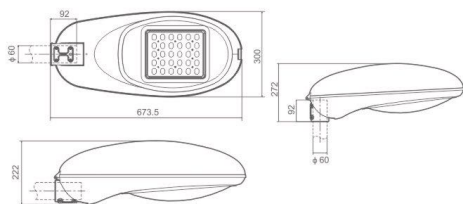


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

灯具尺寸 Product Dimensions(mm)



应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
具备横装或竖装两种安装方式
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 7kg

Application: Street

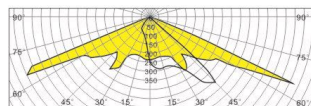
Main Features:

Luminous Efficacy is more than 120 lm/W.
Modern streamline die casting aluminum housing.
Closure screen in tempered clear glass.
Adjustable fixing system: top or side mounting.
Integrated surge protection device.

Technical Data:

IP66 optical chamber protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 7kg

配光曲线 Polar Diagram



Outdoor / 户外一路灯(LED Street light)

NBDD-LED-180

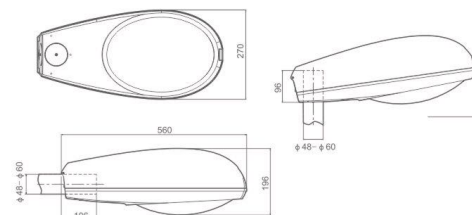


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	--	--

*CCT is Cool White @ 25°C

灯具尺寸 Product Dimensions(mm)



应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
全封闭钢化玻璃罩
具备横装或竖装两种安装方式
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 7kg

Application: Street

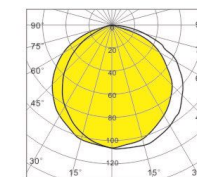
Main Features:

Luminous Efficacy is more than 120 lm/W.
Modern streamline die casting aluminum housing.
Closure screen in tempered clear glass.
Adjustable fixing system: top or side mounting.
Integrated surge protection device.

Technical Data:

IP66 optical chamber protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 7kg

配光曲线 Polar Diagram



Outdoor / 户外一路灯(LED Street light)

NBDD-LED-25A

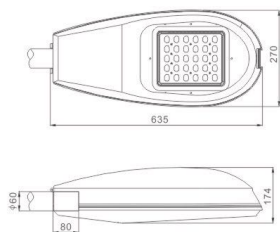


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

灯具尺寸 Product Dimensions(mm)



应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
高压铝铸壳体
全封闭钢化玻璃罩
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 7.5kg

Application: Street

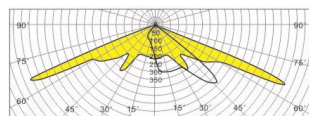
Main Features:

Luminous Efficacy is more than 120 lm/W.
High pressurediecasting aluminum housing.
Closure screen in flat tempered clear glass.
Integrated surge protection device.

Technical Data:

IP66 optical chamber protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 7.5kg

配光曲线 Polar Diagram



Outdoor / 户外一路灯(LED Street light)

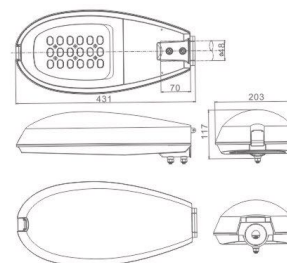
NBDD-LED-25B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
8	700mA	18W	2000lm
18	530mA	30W	4500lm

灯具尺寸 Product Dimensions(mm) *CCT is Cool White @ 25°C



应用场合: 街道、道路

主要特性:

整灯光效超过每瓦120流明
高压铝铸壳体
全封闭钢化玻璃罩
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 4kg

Application: Street

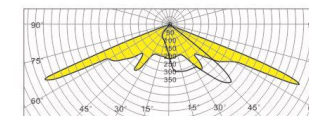
Main Features:

Luminous Efficacy is more than 120 lm/W.
High pressurediecasting aluminum housing.
Closure screen in flat tempered clear glass.
Integrated surge protection device.

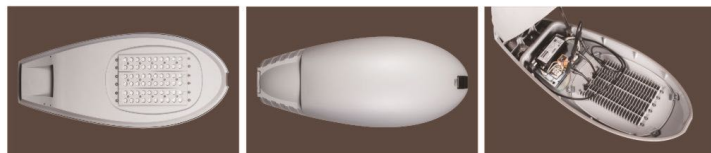
Technical Data:

IP66 optical chamber protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 4kg

配光曲线 Polar Diagram



NBDD-LED-18



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
60	700mA	120W	14400lm
60	1000mA	180W	19800lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高60瓦, 整灯可达180瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA/1000mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 10kg

Application: Street

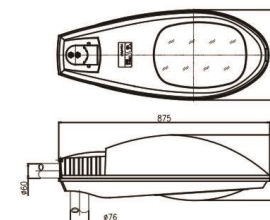
Main Features:

Illuminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

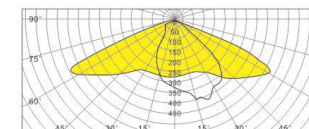
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V/(50/60Hz)
LED current:700mA/1000mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage):10kg

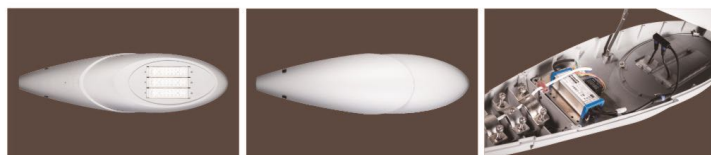
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-130



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
54	700mA	120W	14400lm
54	1000mA	180W	19800lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高60瓦, 整灯可达180瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA/1000mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 15.4kg

Application: Street

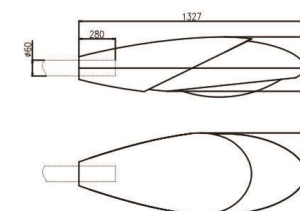
Main Features:

luminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

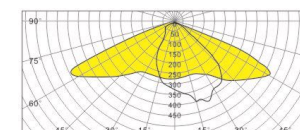
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V/(50/60Hz)
LED current:700mA/1000mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage):15.4kg

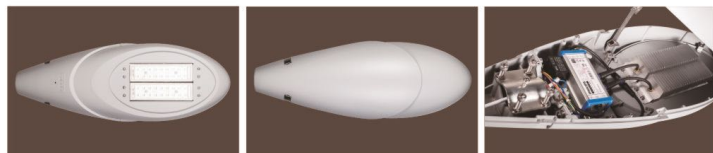
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-130B



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
36	700mA	80W	9600lm
36	1000mA	120W	13200lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高60瓦, 整灯可达120瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA/1000mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 9.4kg

Application: Street

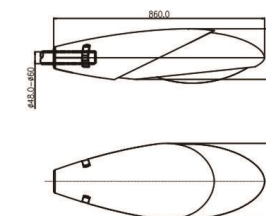
Main Features:

Illuminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

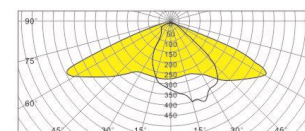
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V/(50/60Hz)
LED current:700mA/1000mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage):9.4kg

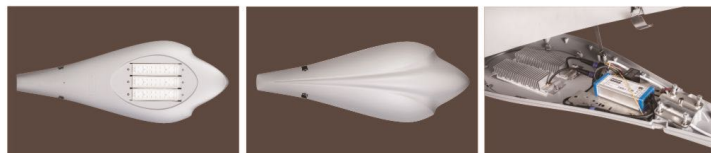
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-150



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
54	700mA	120W	14400lm
54	1000mA	180W	19800lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高60瓦, 整灯可达180瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA/1000mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 10.2kg

Application: Street

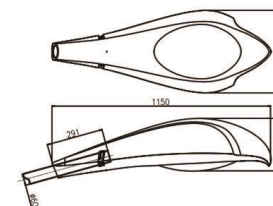
Main Features:

luminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

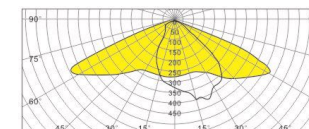
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V/(50/60Hz)
LED current:700mA/1000mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage):10.2kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-160



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
54	700mA	120W	14400lm
54	1000mA	180W	19800lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高60瓦, 整灯可达180瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA/1000mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 9.6kg

Application: Street

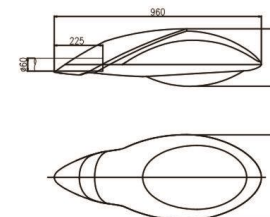
Main Features:

luminous Efficacy is more than 120lm/W
Modern line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

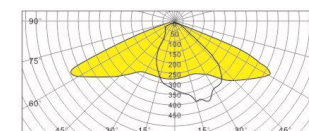
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V/(50/60Hz)
LED current:700mA/1000mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage):9.6kg

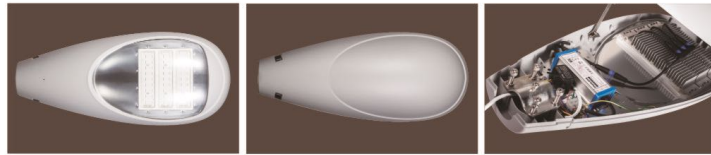
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-230



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
54	700mA	120W	14400lm
54	1000mA	180W	19800lm

*CCT is Cool White @ 25°C

应用场合: 街道、道路

灯具基本性能:

整灯光效超过每瓦120流明
现代感流线型铝压铸壳体
LED模块化光源, 单模块最高60瓦, 整灯可达180瓦
高效率光学级透镜设计
具备横装或竖装两种安装方式
内部配备防雷击保护器
通过CE认证

特点:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA/1000mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 11kg

Application: Street

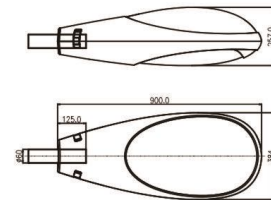
Main Features:

luminous Efficacy is more than 120lm/W
Morden line die-casting aluminum lighting housing.
Modular led source.
Two fixing system: Top or Side
Integrated surge protection device
CE certification.

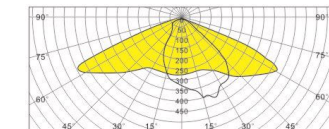
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply:120-277V/(50/60Hz)
LED current:700mA/1000mA
Working Ambient: -35°Cto+45°C
Life span: > 50000hrs
CRI:Ra ≥ 70
CCT:Warm White(3000-3700K) ,
Neutral White(3700-5000K)
and Cool White(5000-6500K)
Net Weight(Max. Wattage): 11kg

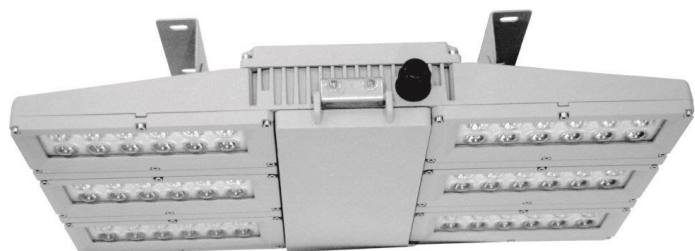
灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBS-LED-10



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
48	350mA	50W	5800lm
	530mA	80W	9400lm
	700mA	100W	11000lm
72	350mA	80W	9200lm
	530mA	120W	13500lm
	700mA	150W	16000lm

*CCT is Cool White @ 25°C

应用场合: 隧道

主要特性:

整灯光效超过每瓦120流明
 高压铝铸壳体
 LED模块化光源, 最高可达150W
 内部配备防雷击保护器
 通过CE认证

技术数据:

整灯防护等级IP66
 电器绝缘等级: I级
 电源电压: 120-277V - 50/60Hz.
 LED 电流: 350/530/700mA
 功率因素: > 0.95
 工作环境: -35°Cto+45°C
 使用寿命: > 50,000 hrs.
 显色指数CRI: Ra ≥ 70
 色温CCT: 暖色白光 (3000 - 3700K) ,
 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
 灯具净重 (最大功率) : 11kg

Application: Tunnel

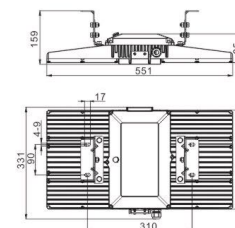
Main Features:

Luminous Efficacy is more than 120 lm/W.
 High pressure diecasting aluminum housing.
 Modular LED structure of light source, maximum up to 150W.
 Integrated surge protection device.
 CE certification.

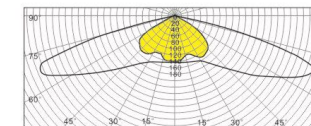
Technical Data:

IP66 protection degree.
 Insulation class: I
 Power supply: 120-277V (50/60Hz)
 LED current: 350/530/700mA
 Power Factor: > 0.95
 Working Ambient: -35°Cto+45°C
 Life Span: >50,000 hrs.
 CRI: Ra ≥ 70
 CCT: Warm White (3000 - 3700K),
 Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
 Net Weight (Max. Watt): 11kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBS-LED-11



应用场合: 隧道

主要特性:

- 整灯光效超过每瓦120流明
- 高压铝铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 内部配备防雷击保护器

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35℃to+45℃
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥70
- 色温CCT: 暖色白光 (3000 - 3700K) , 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 5 kg

Application: Tunnel

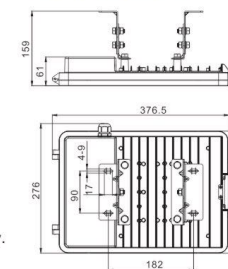
Main Features:

- Luminous Efficacy is more than 120 lm/W.
- High pressure diecasting aluminum housing.
- Closure screen in flat tempered clear glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.

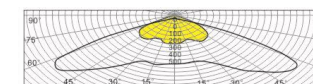
Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35℃to+45℃
- Life Span: >50,000 hrs.
- CRI: Ra ≥70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 5 kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram

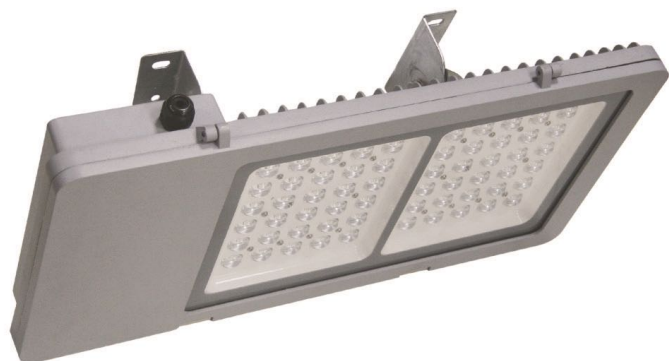


配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
	530mA	30W	3450lm
18	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm
36	530mA	60W	6900lm
	700mA	75W	8250lm

*CCT is Cool White @ 25°C

NBS-LED-12



应用场合: 隧道

主要特性:

- 整灯光效超过每瓦120流明
- 高压铝铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 内部配备防雷击保护器

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35℃to+45℃
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥70
- 色温CCT: 暖色白光 (3000 - 3700K) , 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率) : 6.5kg

Application: Tunnel

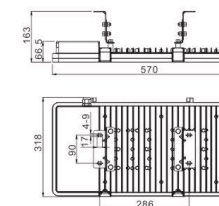
Main Features:

- Luminous Efficacy is more than 120 lm/W.
- High pressure diecasting aluminum housing.
- Closure screen in flat tempered clear glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.

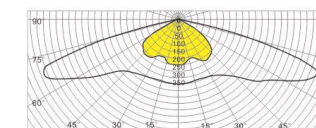
Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35℃to+45℃
- Life Span: >50,000 hrs.
- CRI: Ra ≥70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 6.5kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
24	700mA	50W	2750lm
	530mA	60W	6900lm
36	700mA	80W	8800lm
	1050mA	120W	12000lm
48	530mA	80W	9200lm
	700mA	100W	11000lm
	1050mA	150W	15000lm
60	530mA	100W	11500lm
	700mA	130W	14300lm
72	530mA	120W	13800lm
	700mA	150W	16500lm

*CCT is Cool White @ 25℃

NBS-LED-18



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
24	530mA	40W	4600lm
	700mA	52W	5700lm

*CCT is Cool White @ 25°C

应用场合: 隧道

主要特性:

整灯光效超过每瓦120流明
高效率光学级透镜设计
优质铝型材壳体

技术数据:

整灯防护等级IP66
电气绝缘等级: I级
电源电压: 120-277V-50/60Hz
LED电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50000h
显示指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000-3700K)
自然白光 (3700-5000K) 和冷色白光 (5000-6500)
灯体净重: 6.5kg

Application: Tunnel

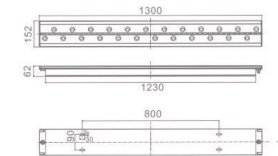
Main Features:

Luminous Efficacy is more than 120 lm/W.
High pressure diecasting aluminum housing.
Closure screen in flat tempered clear glass.

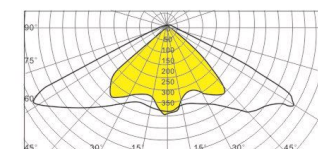
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 h.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 6.5kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NBT-LED-92



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

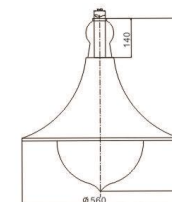
现代感流线型高压铝铸壳体
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率) : 9kg



灯具尺寸 Product Dimensions(mm)



Application: Park、 Square

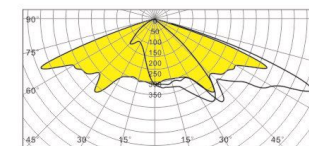
Main Features:

Modern streamline die casting aluminum housing.
Integrated surge protection device.

Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 9kg

配光曲线 Polar Diagram



NBT-LED-99



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
20	530mA	30W	3500lm
	700mA	--	--

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

现代感的高压铝铸灯体
全封闭聚碳酸酯灯罩
独特设计的镀铝反光罩
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 13kg

Application: Park、Square

Main Features:

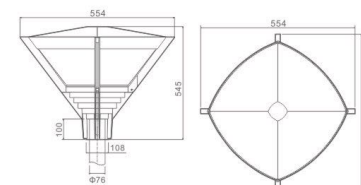
Modern die-casting aluminum housing.
Closure polycarbonate screen.
Unique design anodized aluminum reflector.
Integrated surge protection device.

Technical Data:

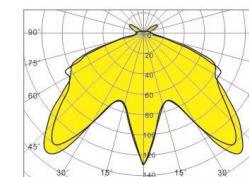
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 13kg



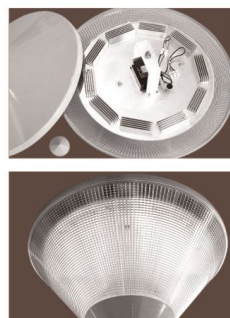
灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NBT-LED-101



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
30	530mA	50W	5750lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

富有现代感的家居锥形灯体设计
全封闭聚碳酸酯灯罩
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率) : 7kg

Application: Park、Square

Main Features:

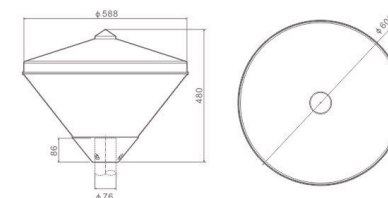
Modern cone shape housing design.
Closure polycarbonate screen.
Integrated surge protection device.

Technical Data:

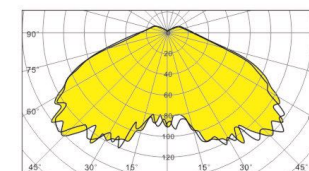
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 7kg



灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NBT-LED-101A



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
20	700mA	40W	4400lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

反光罩特殊的非对称性设计, 为行人和交通创造了舒适的照明环境.
非直射性配光技术最大程度减少了眩光及光污染.
聚碳酸酯外壳, 能承受IK08冲击和冰冻.
灯具使用寿命超过100,000小时.
通过CE认证

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
显色指数CRI: Ra ≥70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光(3700 - 5000K)和冷色白光(5000 - 6500K)
灯具净重 (最大功率) : 9kg

Application: Park, Square

Main Features:

Special designed asymmetric reflector creates a pleasant illuminating environment for pedestrians and traffic.
An indirect lighting technique minimize the glare and light pollution.
IK08 impact and freeze proof polycarbonate casing.
Over 100,000 hours lifespan.
CE certification.

Technical Data:

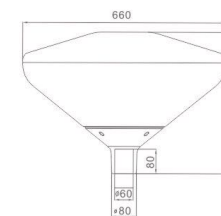
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
CRI: Ra ≥70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 9kg



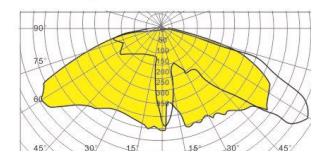
【 ZL 2014 3 0340981.5 】
【 ZL 2014 3 0341003.2 】
【 ZL 2013 1 0336562.9 】
【 ZL 2013 2 0475545.9 】



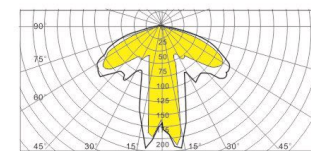
灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram
非对称 asymmetrical



对称symmetrical



NBT-LED-113



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt.	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

整灯光效超过每瓦120流明
古典铝压铸壳体
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥70
色温CCT: 暖色白光 (3000 - 3700K),
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 12kg

Application: Park, Square

Main Features:

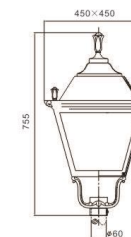
Luminous Efficacy is more than 120 lm/W.
Classical die casting aluminum housing.
Integrated surge protection device.

Technical Data:

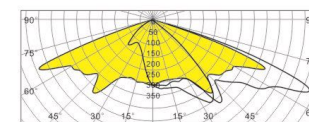
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 12kg



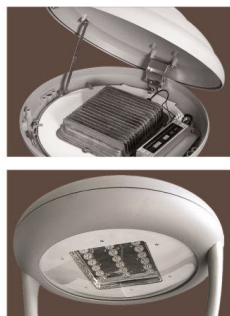
灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NBDD-LED-260F



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
12	700mA	25W	2750lm
18	530mA	30W	3450lm
	700mA	40W	4400lm
	1050mA	60W	6000lm
24	530mA	40W	4600lm
	700mA	52W	5720lm
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

- 经典款高压铝铸灯体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 内部配备防雷击保护器
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 16kg

Application: Park、Square

Main Features:

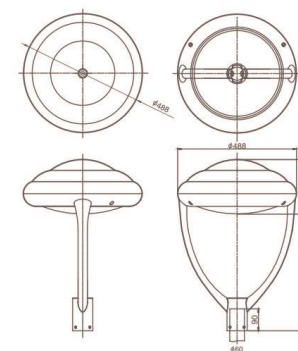
- Classical style die-casting aluminum housing.
- Closure screen in flat tempered clear glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.
- CE certification.

Technical Data:

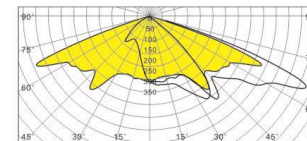
- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI: Ra ≥ 70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 16kg



灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NBT-LED-998



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt.	初始光通量* Nominal Initial Flux*
20	530mA	30W	3450lm
	700mA	45W	5000lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

现代感的高压铝铸灯体
全封闭聚碳酸酯灯罩
内部配备防雷击保护器

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 14kg

Application: Park、Square

Main Features:

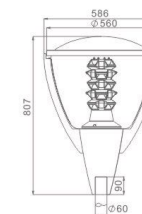
Modern die-casting aluminum housing.
Closure polycarbonate screen.
Integrated surge protection device.

Technical Data:

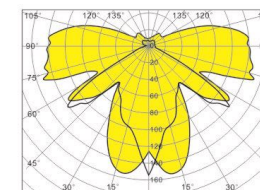
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 14kg



灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram

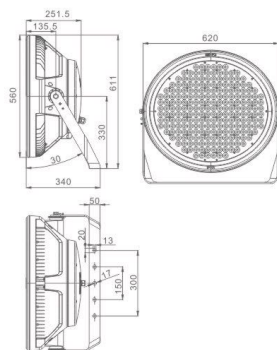


NTG-LED-81 / 81(H)



NTG-LED-81

灯具尺寸 Product Dimensions(mm)



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
152	1050mA	500W	50000lm
184	530mA	300W	34500lm
	700mA	400W	44000lm
224	530mA	375W	43000lm
	700mA	500W	55000lm

*CCT is Cool White @ 25°C

应用场合: 适用于大面积照明区域, 道路高杆照明, 工业区, 体育运动场馆, 及其他照明场所。

主要特性:

- 整灯光效超过每瓦120流明
- 简约的高压铝铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 可调节角度设计
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000 - 3700K) , 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率) : NTG-LED-81(18kg) NTG-LED-81H(18.5kg)

Application: High Bay

Main Features:

- Luminous Efficacy is more than 120 lm/W.
- Slim die-cast aluminum case.
- Closure screen in flat tempered clear or frosted glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.
- CE certification.

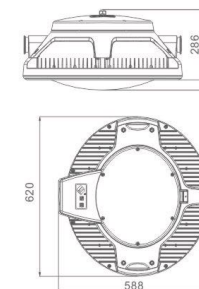
Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI: Ra ≥ 70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): NTG-LED-81(18kg) NTG-LED-81H(18.5kg)

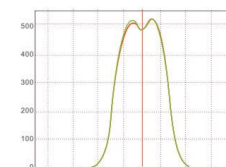


NTG-LED-81(H)

灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NTG-LED-81

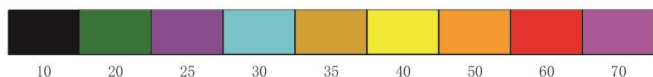
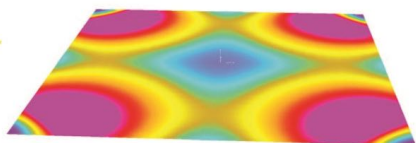
照明案例一：100米x100米大型堆场照明

- 1、灯具采用 NTG-LED-81 (500W) 投光灯数量：24套
- 2、场地直径100m x 100m，面积：10000 m²，灯具安装高度25m,用4套高杆灯，每套高杆灯上安装6个500w LED投光灯。
- 3、用500LED投光灯替代1000W金属卤化物灯，总流明：600000 lm，节能50%。
- 4、用DIALUX照明模拟软件计算，平均照度49 Lux,均匀度0.491，满足大堆场的基本照明要求。

Project One: 100m*100m large yard lighting

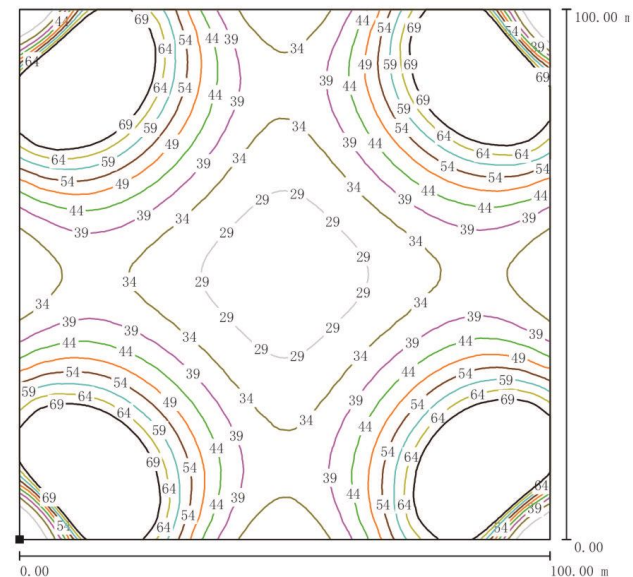
1. 24 sets of NTG-LED-81(500W) LED flood light.
2. Field diameter: 100m, Area: 10000m², Fixing height: 25m, with 4 sets of high mast, and every high mast with 6 sets of 500w LED flood light.
3. Replace 1000W metal halide lamps with 500W LED flood light Total lumen: 600000lm, 250W, energy-saving 50%.
4. Calculated by DIALUX, Eva:49lux,UE:0.491,Meet the requirements of large yard lighting.

【伪色表现图/False Color Rendering】



lx

【等照度图/Isolines】



户外场景内表面的位置:
Location of the inner surface of the outdoor scene
标出的点:
Mark point
(-50.000 m, -50.000 m, 0.000 m)



单位 Values in Lux,
比例 Scale 1 : 782

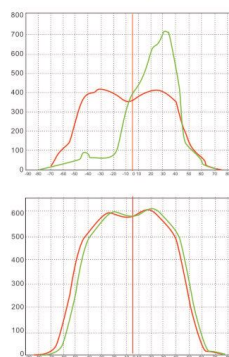
网格: 100 x 100 点 Grid:70*70 Points

平均照度 [lx]	最小照度 [lx]	最大照度 [lx]	最小照度 / 平均照度	最小照度 / 最大照度
Eav(lx) 49	Emin 24	Emax 97	U0 0.491	Emin / Emax 0.250

NTG-LED-71



配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
152	1050mA	500W	50000lm
192	530mA	320W	36800lm
	700mA	420W	46200lm
224	530mA	375W	43000lm
	700mA	500W	55000lm

*CCT is Cool White @ 25°C

应用场合: 适用于大面积照明区域, 道路交叉路口, 工业区, 体育运动场馆, 及其他照明场所。

主要特性:

- 整灯光效超过每瓦120流明
- 现代感流线型铝压铸壳体
- 全封闭钢化玻璃罩
- 高效率光学透镜设计
- 可调节角度设计
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 16kg

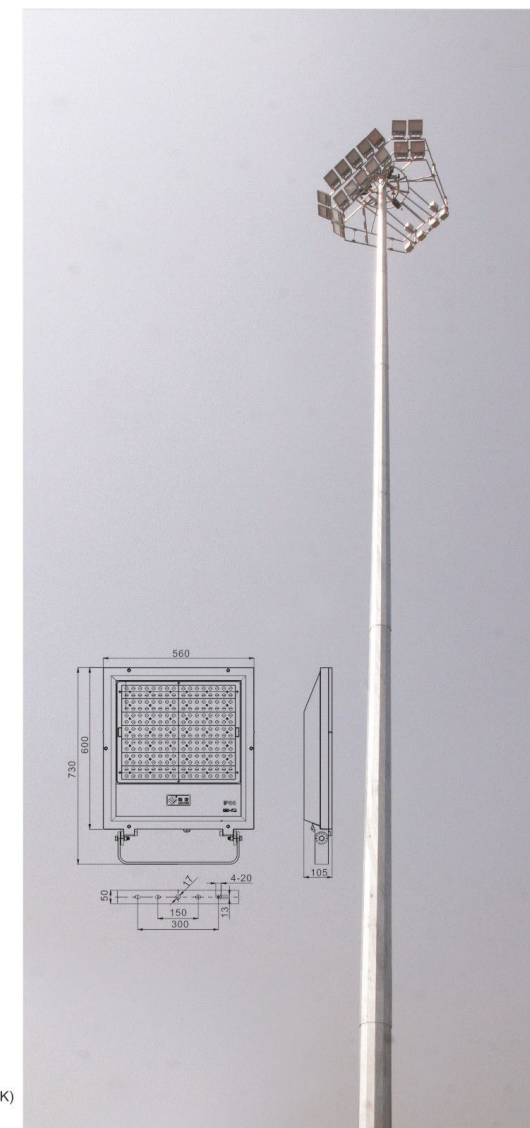
Application: Street, Square

Main Features:

- Luminous Efficacy is more than 120 lm/W.
- Modern slim die casting aluminum housing.
- Closure screen in flat tempered clear glass.
- Unique optical design creates consistent distribution and scalability.
- Adjustable tile angle design.
- CE certification.

Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI: Ra ≥ 70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 16kg



NTG-LED-71

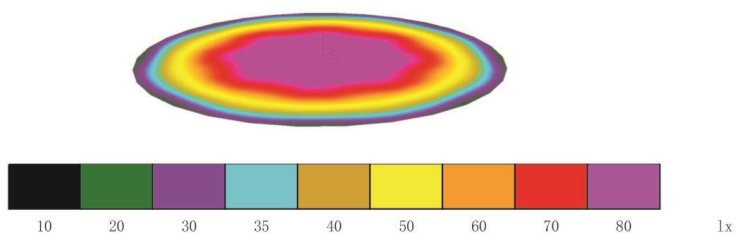
照明案例一：30米高杆照明

- 1、灯具采用 NTG-LED-71 (500W) 投光灯数量：8套
- 2、场地直径70m，面积：3846 m²，灯具安装高度30m，维护系数：0.80
- 3、用500LED投光灯替代1000W金属卤化物灯，总流明：373247 lm，节能50%。
- 4、用DIALUX照明模拟软件计算，平均照度52Lux，均匀度0.404，满足高杆照明要求。

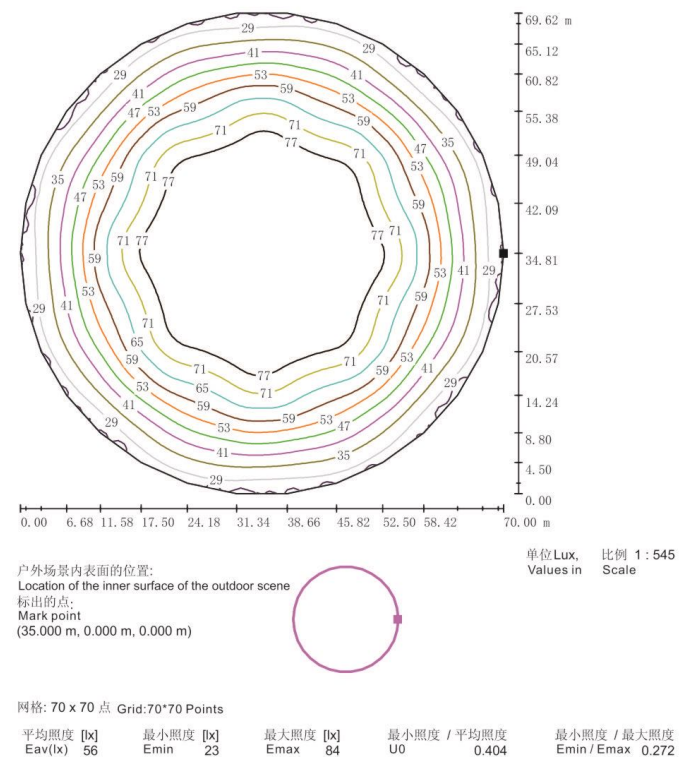
Project One: 30m High mast lighting

1. 8 sets of LED flood light, NTG-LED-71(500W)
2. Field diameter: 70m, Area: 3846m², Maintenance factor : 0.80
3. Replace 1000W metal halide lamps with 500W LED flood lights. Total lumen: 373247lm, Energy-saving 50%
4. Calculated by DIALUX, Eva: 52lux, UE: 0.404, Meet the requirements of high mast lighting.

【伪色表现图/False Color Rendering】



【等照度图/Isolines】



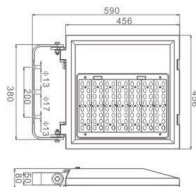


【 ZL 2013 2 0569731.9 】
 【 ZL 2012 3 0432814.4 】
 【 ZL 2013 2 0006212.1 】

NTG-LED-61



灯具尺寸
Product Dimensions(mm)



应用场合: 适用于大面积照明区域, 道路交叉路口, 工业区, 体育运动场馆, 及其他照明场所。

主要特性:

- 整灯光效超过每瓦120流明
- 现代感流线型铝压铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 可调节角度设计
- 内部配备防雷击保护器
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥ 70
- 色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 11kg

Application: Street, Square

Main Features:

- Luminous Efficacy is more than 120 lm/W.
- High pressure diecasting aluminum housing.
- Closure screen in flat tempered clear glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.
- CE certification.

Technical Data:

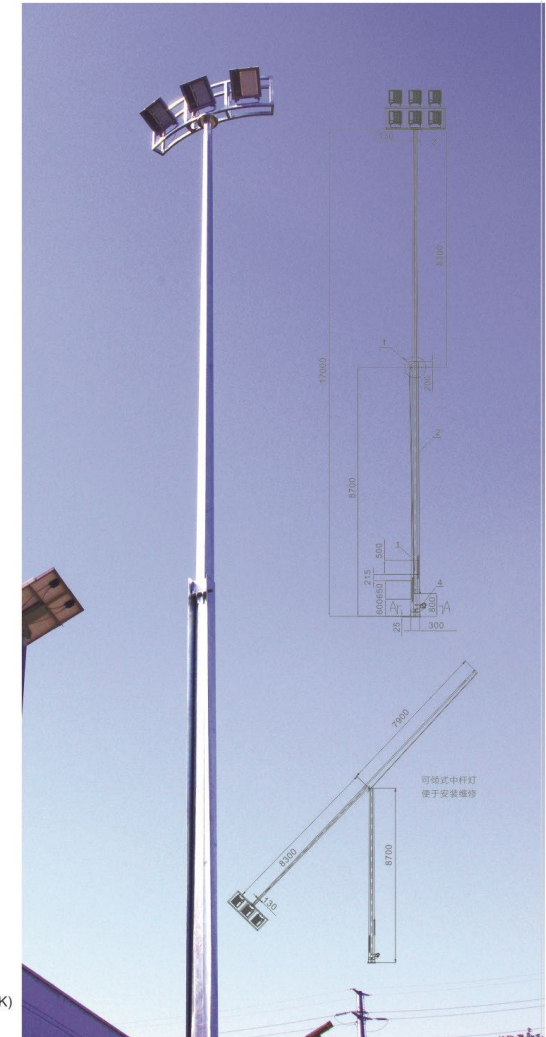
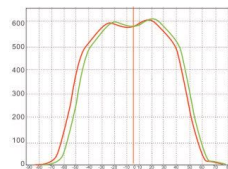
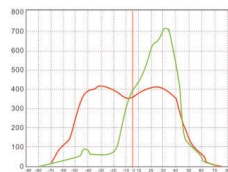
- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI: Ra ≥ 70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 11kg

配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
64	530mA	100W	11500lm
	700mA	140W	15400lm
	1050mA	200W	20000lm
80	530mA	150W	16500lm
	700mA	180W	19800lm
	1050mA	250W	25000lm
96	530mA	150W	13500lm
	700mA	200W	22000lm
112	530mA	180W	20700lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

配光曲线 Polar Diagram





NTG-LED-61

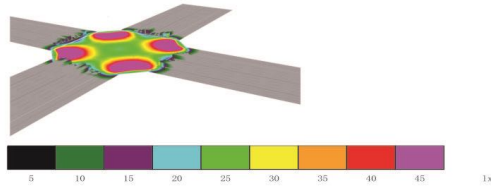
照明案例一: 八车道路交叉路口

- 1、灯具采用 NBT-LED-61 灯具采用不对称配光，112PCS leds 4700K 250w 24300lm
- 2、路口用4套中杆灯照明，照明高度 13.5m，每套中杆灯配3火250W 投光灯。
- 3、250w LED投光灯替代400W高压钠灯，共使用12套投光灯，250Wx12=3000w 节能40%。
- 4、用DIALUX照明模拟软件计算，平均照度 37Lux,均匀度0.456 满足道路照明要求。

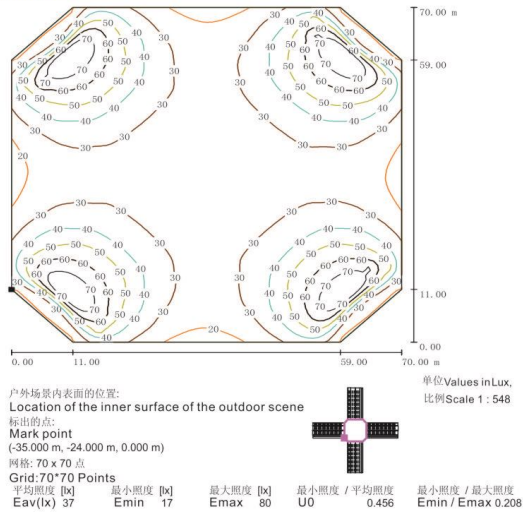
Project One: An eight-lane road intersection

1. 250W NTG-LED-61 LED flood light, asymmetric light distribution, 112pcs leds 4700k 24300lm
2. 4 sets of 13.5m high mast lighting at crossroad, and every set with 3 sets of 250w flood lights.
3. Replace 400W high pressure sodium lamps with 250 LED flood lights. Total 12 sets of flood lights, 250W*12=3000W, energy-saving 40%
4. Calculated by DIALUX, Eva:37lux,UE:0.456. Meet the requirements of street lighting.

【伪色表现图/False Color Rendering】



【等照度图/Isolines】



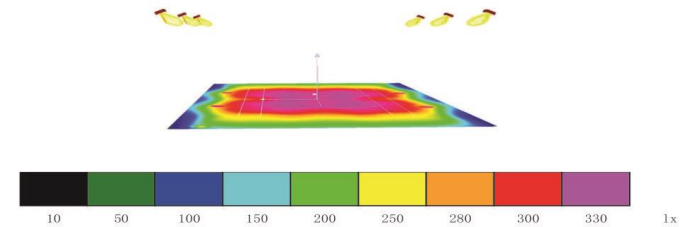
照明案例二: 标准网球场

- 1、灯具采用 NBT-LED-61 灯具采用不对称配光，112PCS leds 4700K 250w 24300 lm
- 2、路口用6套灯杆照明，照明高度 8m，每套灯杆配2火250W 投光灯。
- 3、250w LED投光灯替代400W高压钠灯，共使用12套投光灯，250Wx12=3000w 节能40%。
- 4、用DIALUX照明模拟软件计算，平均照度 317 Lux,均匀度0.86，满足网球场的一般训练，比赛要求。

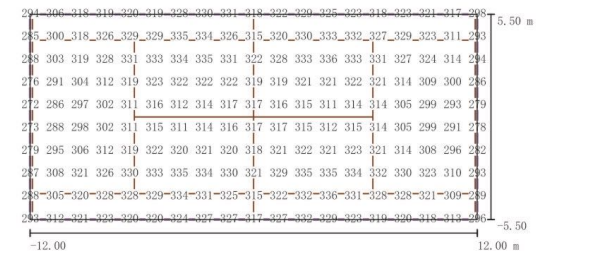
Project Two: Standard tennis courts

1. 250W NTG-LED-61 LED flood light, asymmetric light distribution, 112pcs leds, 4700k, 24300lm.
2. 6 sets of 8m high mast lighting at crossroad, and every set with 2 sets of 250w flood lights.
3. Replace 400W metal halide lamps with 250W LED flood light. Total 12 sets of flood lights, 250W*12=3000W, energy-saving 40%
4. Calculated by DIALUX, Eva:317lux,UE:0.86. Meet requirement of the tennis courts lighting.

【伪色表现图/False Color Rendering】



【等照度图/Isolines】



无法显示所有计算值
户外场景内表面的位置:
Location of the inner surface of the outdoor scene
标出的点: (-12.000 m, -5.500 m, 0.000 m)
Mark point

单位Values in Lux.
比例Scale 1 : 182

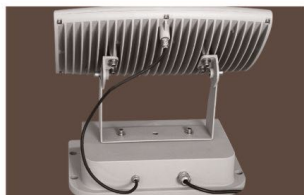
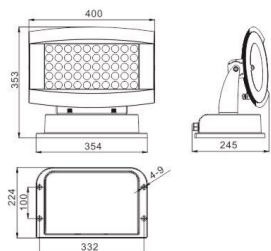
网格: 703 点 Grid:70*70 Points

平均照度 [lx]	最小照度 [lx]	最大照度 [lx]	最小照度 / 平均照度	最小照度 / 最大照度
Eav(x) 317	Emin 271	Emax 338	U0 0.86	Emin / Emax 0.80

NTG-LED-51/50



NTG-LED-51



配置数据/Configuration Data:

NTG-LED-50

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
33	530mA	55W	6000lm
	700mA	75W	7800lm

NTG-LED-51

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
50	530mA	80W	8500lm

*CCT is Cool White @ 25°C

应用场合: 园林、广场

主要特性:

- 现代感流线型铝压铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 内部配备防雷击保护器

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显色指数CRI: Ra ≥70
- 色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 7.5kg(50) / 9kg(51)

Application: Park、Square

Main Features:

- High Pressure die cast aluminum case.
- Closure screen in flat tempered frosted glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.

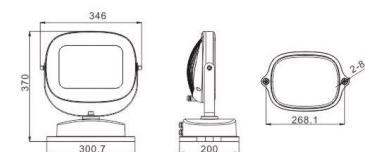
Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI: Ra ≥70
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 7.5kg(50) / 9kg(51)

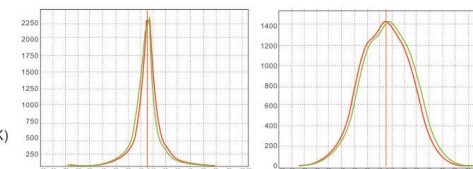


NTG-LED-50

灯具尺寸 Product Dimensions(mm)



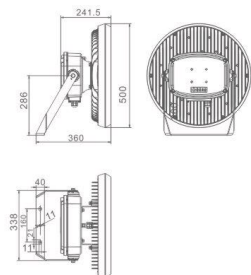
配光曲线 Polar Diagram



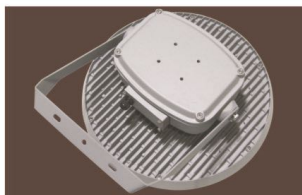
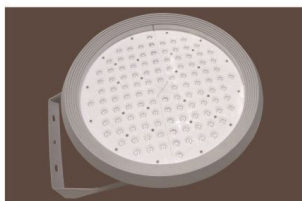
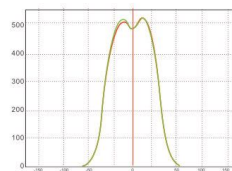
NTG-LED-01



灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
76	530mA	130W	15000lm
	700mA	165W	18000lm
	1050mA	250W	25000lm
96	700mA	200W	22000lm
112	530mA	180W	20700lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 适用于大面积照明区域, 道路高杆照明, 工业区, 体育运动场馆, 及其他照明场所。

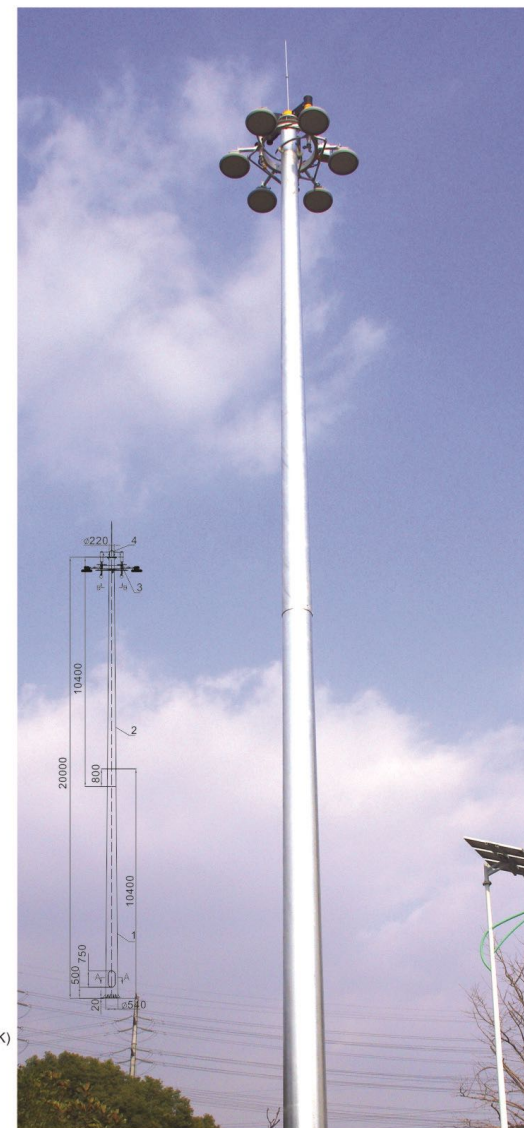
主要特性:
整灯光效超过每瓦120流明
高压铝铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器

技术数据:
整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显色指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000 - 3700K),
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 15kg

Application: Street, Square

Main Features:
Luminous Efficacy is more than 120 lm/W.
High Pressure die-cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.

Technical Data:
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: Ra ≥ 70
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 15kg



NBDD-LED-301A/301B



【 ZL 2010 1 0290201.1 】
 【 ZL 2010 2 0542172.9 】
 【 ZL 2010 3 0127186.X 】
 【 ZL 2010 3 0689936.2 】
 【 ZL 2010 3 0127187.4 】

应用场合: 桥梁

主要特性:

高压压铸壳体
 独特的光学设计, 最大程度地降低了眩光和光污染
 301A可调节角度设计, 保证了输出光量的最佳化
 301B整体化设计便于安装
 内部配备防雷击保护器

技术数据:

整灯防护等级IP66
 电器绝缘等级: I级
 电源电压: 120-277V - 50/60Hz.
 LED 电流: 530/700mA
 功率因素: > 0.95
 工作环境: -35℃to+45℃
 使用寿命: > 50,000 hrs.
 显色指数CRI: Ra ≥ 70
 色温CCT: 暖色白光 (3000 - 3700K) ,
 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
 灯具净重 (最大功率): 10kg(301A) / 28kg(301B)

Application: Bridge

Main Features:

High pressure diecasting aluminum housing.
 Unique optical design minimum the glare and light pollution.
 Adjustable tile angle design for best light output.
 Integrated surge protection device.

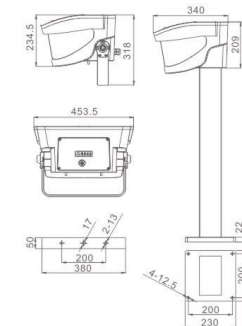
Technical Data:

IP66 protection degree.
 Insulation class: I
 Power supply: 120-277V (50/60Hz)
 LED current: 530/700mA
 Power Factor: > 0.95
 Working Ambient: -35℃to+45℃
 Life Span: >50,000 hrs.
 CRI: Ra ≥ 70
 CCT: Warm White (3000 - 3700K),
 Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
 Net Weight (Max. Watt): 10kg(301A) / 28kg(301B)

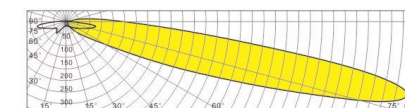


NBDD-LED-301A

灯具尺寸
 Product Dimensions(mm)



配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
36	530mA	60W	6900lm
	700mA	75W	8250lm

*CCT is Cool White @ 25℃

NBDD-LED-301B

NZD-LED-01



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
20	530mA	30W	3300lm
	700mA	45W	4500lm

*CCT is Cool White @ 25°C

应用场合: 匝道

主要特性:

整灯光效超过每瓦120流明
独特的光学级设计, 最大程度地降低了眩光和光污染
铝压铸壳体

技术数据:

整灯防护等级: IP66:
电气绝缘等级: I级
电源电压: 120-277V-50/60Hz
LED电流: 530/700mA
功率因素: > 0.96
工作环境: -35°Cto+45°C
使用寿命: > 50000h
显示指数CRI: Ra ≥ 70
色温CCT: 暖色白光 (3000-3700K)
自然白光 (3700-5000K) 和冷色白光 (5000-6500)
灯体净重: 4kg

Application: Bridge

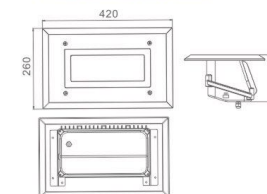
Main Features:

Luminous Efficacy is more than 120 lm/W.
High pressure die casting aluminum housing.
Unique optical design minimum the glare and light pollution.

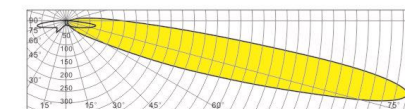
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 h.
CRI: Ra ≥ 70
CCT: Warm White (3000 – 3700K),
Neutral White (3700 – 5000K) and Cool White (5000 – 6500K)
Net Weight (Max. Watt): 4kg

灯具尺寸
Product Dimensions(mm)



配光曲线 Polar Diagram



NGC-LED-81



应用场合: 钢厂电厂, 大型车间, 大型物流仓库, 超市卖场, 展馆大厅, 体育场馆等照明场所。

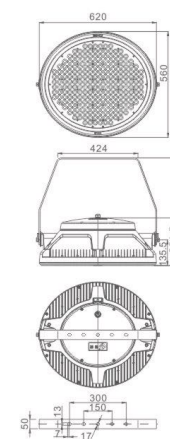
主要特性:

- 整灯光效超过每瓦120流明
- 简约的高压铝铸壳体
- 全封闭钢化玻璃罩
- 高效率光学透镜设计
- 可调节角度设计
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/700/1050mA
- 功率因素: > 0.95
- 工作环境: -35℃to+45℃
- 使用寿命: > 50,000 hrs.
- 显示指数CRI: 85≥Ra≥70
- 特殊显色指数: 24≥R9≥-20
- 色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 18kg

灯具尺寸 Product Dimensions(mm)



Application: High Bay

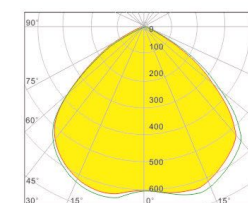
Main Features:

- Luminous Efficacy is more than 120 lm/W.
- Slim die-cast aluminum case.
- Closure screen in flat tempered clear or frosted glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.
- CE certification.

Technical Data:

- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/700/1050mA
- Power Factor: > 0.95
- Working Ambient: -35℃to+45℃
- Life Span: >50,000 hrs.
- CRI: 85≥Ra≥70
- R9: 24≥R9≥-20
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 18kg

配光曲线 Polar Diagram



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
152	1050mA	500W	50000lm
	530mA	300W	34500lm
184	700mA	400W	44000lm
	530mA	375W	43000lm
224	700mA	500W	55000lm

*CCT is Cool White @ 25℃



NGC-LED-01



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
76	530mA	130W	15000lm
	700mA	165W	18000lm
	1050mA	250W	25000lm
96	700mA	200W	22000lm
112	530mA	180W	20700lm
	700mA	250W	27500lm

*CCT is Cool White @ 25°C

应用场合: 生产车间, 物流仓库, 商场超市, 展馆大厅, 地下停车场等照明场所。

主要特性:

整灯光效超过每瓦120流明
高压铝铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器
通过CE认证

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显示指数CRI:85≥Ra≥70
特殊显色指数: 24≥R9≥-20
色温CCT: 暖色白光 (3000 - 3700K),
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 15kg

Application: High Bay

Main Features:

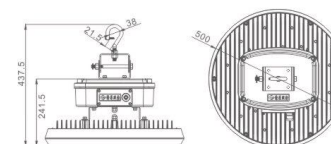
Luminous Efficacy is more than 120 lm/W.
High Pressure die-cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.
CE certification.

Technical Data:

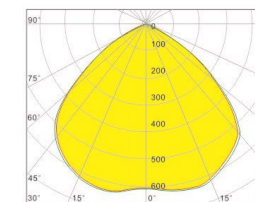
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: 85≥Ra≥70
R9: 24≥R9≥-20
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 15kg



灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram

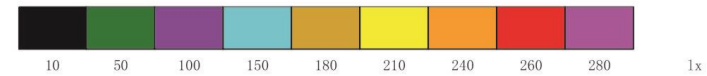
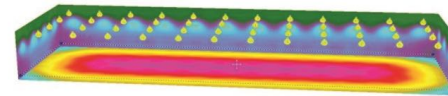


NGC-LED-01

【 伪色表现图/False Color Rendering 】

照明照明案例一：12米高厂房照明

- 1、灯具采用NGC-LED-01 (250W) 灯具数量：48套
- 2、厂房长108米，宽36米，面积：3888.00 m²，空间高度：12.5m，安装高度：12m，维护系数：0.80
- 3、用250w LED工厂灯替代400W金属卤化物灯，总流明：1301581lm，节能50%。
- 4、用DIALUX照明模拟软件计算，平均照度 240 Lux，均匀度0.544，满足工厂照明规范要求。

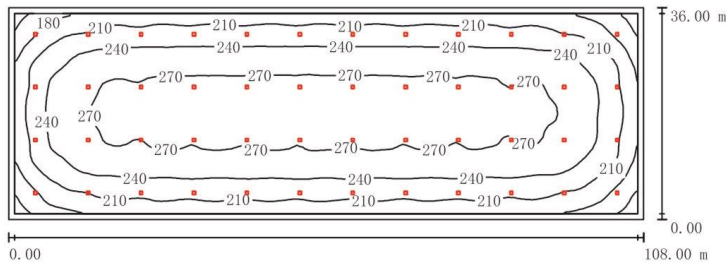


Project One: 12m high factory building lighting

1. 48 sets of NGC-LED-01(250W) LED high bay light.
2. Factory building 108m*36m, Area: 3888.00m², Space height: 12.500m, Mounting height:12.000m, Maintenance factor: 0.80
3. Replace 400W metal halide lamps with 250W LED high bay light Total lumen:1301581lm, Energy-saving 50%
4. Calculated by DIALUX, Eva:240lux, UE:0.544, Meet the requirements of factory building lighting.

【 等照度图--照度/Isolines 】

【 摘要/Abstract 】



空间高度: 12.500 m, 安装高度: 12.000 m, 维护系数: 0.80
Space height:12.500m Mounting height:12.000m Maintenance factor:0.80

表面 Surface	ρ [%]	平均照度 [lx]	最小照度 [lx]	最大照度 [lx]	最小照度 / 平均照度
工作面 The working surface	/	Eav(lx) 240	Emin (lx)131	Emax (lx)280	U0 0.544

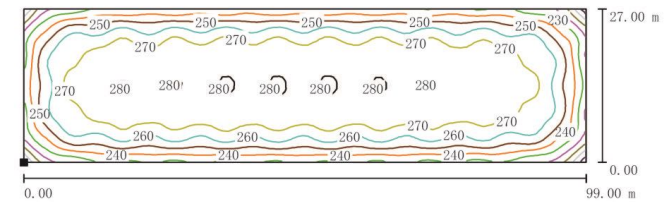
工作面: 高度: 0.000 m The working surface
网格: 106 x 34 点 Height:0.000m
边界: 1.000 m Grid:106*34 Points
Border: 1.000m

灯具表 Light Table

编号 No	数量 Quantity	名称 (修正系数) Model(Correction factor)	Φ (灯具) [lm] Lighting(lm)	Φ (光源) [lm] Source(lm)	P [W] P (W)
1	48	Ningbo Liaoyuan General Lamp Co. 2014031003 NGC-LED 01(112Pcs 250W) (0.930)	27116	26938	246.0
总数: 1301581			总数: 11809.4		

实际效能值: 3.04 W/m² = 1.26 W/m²/100 lx (面积: 3888.00 m²)

Actual performance values:3.04W/m²/100lx(area:3888.00m²)



空间内表面的位置: Location of the inner surface of the outdoor scene
单位: Values in Lux, 比例 Scale 1 : 708

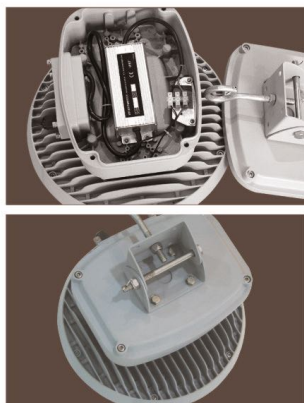
标出的点: Mark point
(4.500 m, 4.500 m, 1.000 m)



网格: 99 x 27 点 Grid:99*27 Points

	平均照度 Eav(lx)[lx]	最小照度 Emin[lx]	最大照度 Emax[lx]	最小照度 / 平均照度 U0	最小照度 / 最大照度 Emin / Emax照度
工作区1 Working area	261	186	282	0.714	0.660
围绕区 Surrounding	197	121	229	0.613	0.528

NGC-LED-02



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
48	530mA	80W	9000lm
	700mA	100W	11000lm
	1050mA	150W	15000lm
60	530mA	100W	11500lm
	700mA	130W	14300lm

*CCT is Cool White @ 25°C

应用场合: 生产车间, 物流仓库, 商场超市, 展馆大厅, 地下停车场等照明场所。

主要特性:
高压铝铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器

技术数据:
整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700/1050mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显示指数CRI:85≥Ra≥70
特殊显色指数: 24≥R9≥-20
色温CCT: 暖色白光 (3000 - 3700K), 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 10kg

Application: High Bay

Main Features:

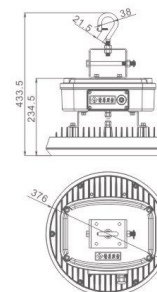
High Pressure die-cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.

Technical Data:

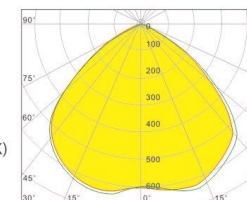
IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700/1050mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI: 85≥Ra≥70
R9: 24≥R9≥-20
CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 10kg



灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NGC-LED-03



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
48	530mA	80W	9200lm
	700mA	100W	11000lm
64	530mA	100W	11500lm
	600mA	120W	13200lm

*CCT is Cool White @ 25°C

应用场合: 生产车间, 物流仓库, 商场超市, 展馆大厅, 地下停车场等照明场所。

主要特性:

- 整灯光效超过每瓦120流明
- 简约的高压铝铸壳体
- 全封闭钢化玻璃罩
- 高效率光学级透镜设计
- 内部配备防雷击保护器
- 通过CE认证

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V - 50/60Hz.
- LED 电流: 530/600/700mA
- 功率因素: > 0.95
- 工作环境: -35°Cto+45°C
- 使用寿命: > 50,000 hrs.
- 显示指数CRI:85≥Ra≥70
- 特殊显色指数: 24≥R9≥-20
- 色温CCT: 暖色白光 (3000 - 3700K) , 自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
- 灯具净重 (最大功率): 7kg

Application: High Bay

Main Features:

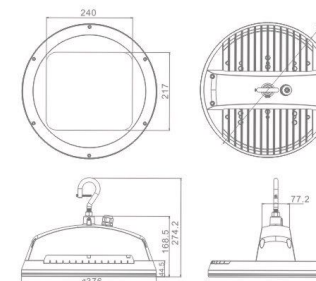
- Luminous Efficacy is more than 120 lm/W.
- Slim die-cast aluminum case.
- Closure screen in flat tempered clear or frosted glass.
- Unique optical design creates consistent distribution and scalability.
- Integrated surge protection device.
- CE certification.

Technical Data:

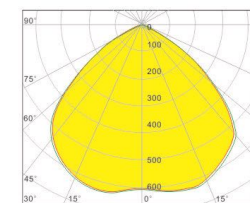
- IP66 protection degree.
- Insulation class: I
- Power supply: 120-277V (50/60Hz)
- LED current: 530/600/700mA
- Power Factor: > 0.95
- Working Ambient: -35°Cto+45°C
- Life Span: >50,000 hrs.
- CRI:85≥Ra≥70
- R9 : 24≥R9≥-20
- CCT: Warm White (3000 - 3700K), Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
- Net Weight (Max. Watt): 7kg



灯具尺寸 Product Dimensions(mm)

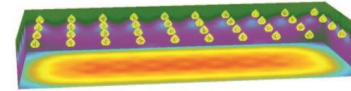


配光曲线 Polar Diagram



NGC-LED-03

【伪色表现图/False Color Rendering】



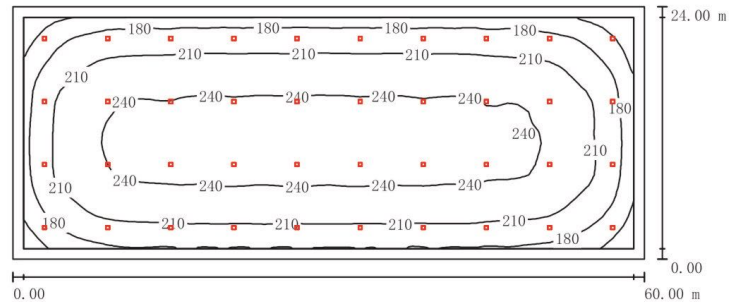
照明案例一：8米高厂房照明

- 1、灯具采用 NGC-LED-03(110W) 灯具数量：40套
- 2、厂房长60米，宽24米，面积：1440m²，空间高度：8.5 m，安装高度：8m，维护系数：0.80
- 3、用110w LED工厂灯替代250W金属卤化物灯，总流明：496000 lm，节能60%。
- 4、用DIALUX照明模拟软件计算，平均照度 216Lux,均匀度0.573。满足工厂照明规范要求。

Project One: 8m high factory building lighting

1. 40 sets of NGC-LED-03(110W) led high bay light.
2. Factory building 60m*24m, Area:1440.00m², Space height:8.5m, Mounting height:8m, Maintenance factor: 0.80
3. Replace 250W metal halide lamps with 110W led high bay light Total lumen: 496000lm, energy-saving 60%
4. Calculated by DIALUX, Eva:216lux,UE:0.57. Meet the requirements of factory building lighting.

【摘要】



空间高度: 8.500 m, 安装高度: 8.000 m, 维护系数: 0.80
 Space height:8.500m Mounting height:8.000m Maintenance factor:0.80
 单位Values inLux, 比例Scale 1:429

表面 Surface	ρ [%]	平均照度 [lx] Eav(lx)	最小照度 [lx] Emin (lx)	最大照度 [lx] Emax (lx)	最小照度 / 平均照度 U0
工作面 The working surface	/	216	124	249	0.573

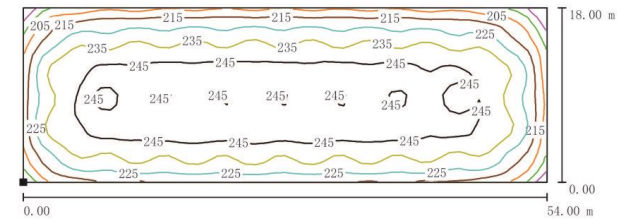
高度: 0.000 m The working surface
 网格: 58 x 22 点 Height:0.000m
 边界: 1.000 m Grid:58*22 Point
 Border:1.000m

灯具表

编号 No	数量 Quantity	名称 (修正系数) Model(Correction factor)	Φ (灯具) [lm] Lighting(lm)	Φ (光源) [lm] Source(lm)	P [W] P (W)
1	40	Ningbo Liaoyuan General Lamp Co. 2013120504 NGC-03(64Pcs 110W XP-G2 6500K) (0.800)	12420	12425	108.9
总数: 496790			总数: 496980	总数: 4357.6	

实际效能值: 3.03 W/m² = 1.40 W/m²/100 lx (面积: 1440.00 m²)
 Actual performance values:3.03W/m²=1.40W/m²/100lx (area:1440.00m²)

【等照度图--照度/Isolines】



空间内表面的位置:
 Location of the inner surface of the outdoor scene

标出的点:
 Mark point
 (3.000 m, 3.000 m, 1.000 m)



单位Values inLux,
 比例 Scale 1 : 387

网格: 54 x 18 点 Grid:54*18 Points

	平均照度 Eav(lx) [lx]	最小照度 Emin [lx]	最大照度 Emax[lx]	最小照度 / 平均照度 U0	最小照度 / 最大照度 Emin / Emax照度
工作区 1 Working area	234	174	252	0.742	0.690
围绕区 Surrounding	179	108	213	0.600	0.506

NGC-LED-04



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
30	530mA	50W	5750lm
	700mA	65W	7150lm

*CCT is Cool White @ 25°C

应用场合: 生产车间, 物流仓库, 商场超市, 地下停车场等照明场所。

主要特性:

整灯光效超过每瓦120流明
简约的高压铝铸壳体
全封闭钢化玻璃罩
高效率光学级透镜设计
内部配备防雷击保护器
通过CE认证

技术数据:

整灯防护等级IP66
电器绝缘等级: I级
电源电压: 120-277V - 50/60Hz.
LED 电流: 530/700mA
功率因素: > 0.95
工作环境: -35°Cto+45°C
使用寿命: > 50,000 hrs.
显示指数CRI: 85≥Ra≥70
特殊显色指数: 24≥R9≥-20
色温CCT: 暖色白光 (3000 - 3700K) ,
自然白光 (3700 - 5000K) 和冷色白光 (5000 - 6500K)
灯具净重 (最大功率): 6kg

Application: High Bay

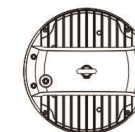
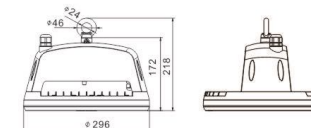
Main Features:

Luminous Efficacy is more than 120 lm/W.
Slim die-cast aluminum case.
Closure screen in flat tempered clear or frosted glass.
Unique optical design creates consistent distribution and scalability.
Integrated surge protection device.
CE certification.

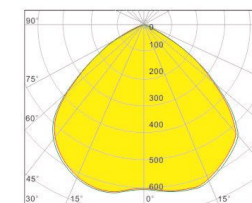
Technical Data:

IP66 protection degree.
Insulation class: I
Power supply: 120-277V (50/60Hz)
LED current: 530/700mA
Power Factor: > 0.95
Working Ambient: -35°Cto+45°C
Life Span: >50,000 hrs.
CRI:85≥Ra≥70
R9 : 24≥R9≥-20
CCT: Warm White (3000 - 3700K),
Neutral White (3700 - 5000K) and Cool White (5000 - 6500K)
Net Weight (Max. Watt): 6kg

灯具尺寸 Product Dimensions(mm)



配光曲线 Polar Diagram



NBGS-LED-01A/B/C



配置数据/Configuration Data:

LED颗数 Number of LEDs	LED电流 LED Current	消耗功率 Power Consumpt	初始光通量* Nominal Initial Flux*
32	530mA	55W	6300lm
	700mA	70W	7700lm
	1050mA	100W	10000lm
48	530mA	80W	9200lm
	700mA	100W	11000lm
	1050mA	150W	15000lm
64	530mA	100W	11500lm
	700mA	140W	15400lm

*CCT is Cool White @ 25°C

应用场合: 加油站, 便利店等

主要特性:

- 整灯光效可达每瓦120流明
- 全封闭钢化玻璃罩
- 典型外壳设计
- 内部配备防雷击保护器
- 3种安装方式: 吸顶灯式, 嵌入式和投光灯式

技术数据:

- 整灯防护等级IP66
- 电器绝缘等级: I级
- 电源电压: 120-277V- 50/60Hz
- LED电流: 530/700/1050mA
- 功率因素: >0.95
- 工作环境: -35°C to +45°C
- 使用寿命:>50,000hrs
- 显色指数CRI:Ra≥70
- 色温CCT:暖色白光 (3000-3700K)
- 自然白光(3700-5000K)和冷白光 (5000-6500K)
- 灯具净重(最大功率):NBGS-LED-01A(6.5kg)
- NBGS-LED-01B(9kg)
- NBGS-LED-01C(7kg)

Application: Street

Main Features:

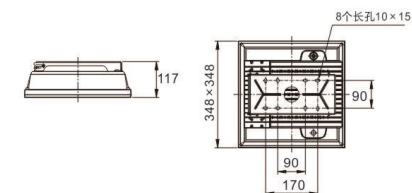
- Luminaire Efficiency up to 120lm/Wattage
- Classical die-casting aluminum body
- Closure screen in flat tempered glass cover
- Integrated surge protection device
- Three fixing system: Surface mounting ,recessed mounting or flood light type mounting

Technical Data:

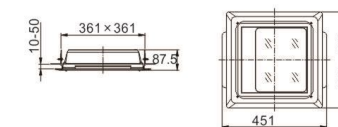
- Ip66 IP66 protection degree
- Insulation class:I
- Power supply:120-277V- 50/60Hz
- LED current:530/700/1050mA
- Power Factor: >0.95
- Working Ambient: -35°C to +45°C
- Life Span:>50,000hrs
- CRI:Ra≥70
- CCT:Warm White (3000-3700K)
- Neutral White(3700-5000K) and Cool White (5000-6500K)
- Net Weight (Max.Wattage) :NBGS-LED-01A(6.5kg)
- NBGS-LED-01B(9kg)
- NBGS-LED-01C(7kg)

灯具尺寸 Product Dimensions(mm)

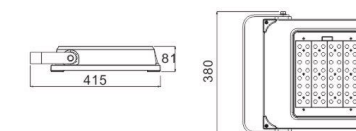
NBGS-LED-01A



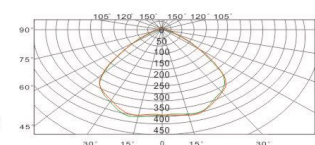
NBGS-LED-01B



NBGS-LED-01C



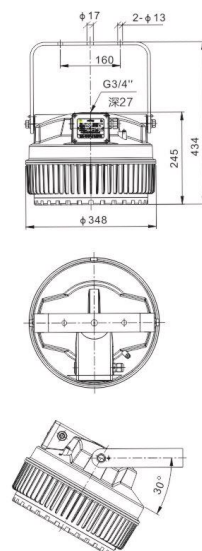
配光曲线 Polar Diagram



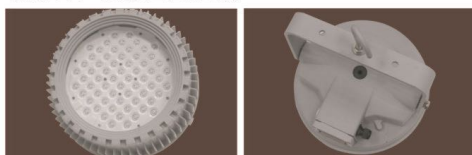
LYDB001- LED (LED防爆灯)



灯具尺寸
Product Dimensions(mm)



防爆灯具 可以配置应急电源



规格型号表格/Specification:

型号 Model	功率 Power	电压 Voltage	LED数量 The number of LED	LED功率 LED power	温度组别T Temperature group	环境温度℃ Ambient temperature	初始光通量(lm) The initial flux LM	节能效果 The energy saving effect
LYdB001-LED64	80W	120-277V AC 50Hz/60Hz	64	64*1.24W	T6	-20~+50	7600	可替换150W金卤灯 Replace of 150W MH
	100W		64	64*1.55W	T6	-20~+50	9500	可替换175W金卤灯 Replace of 175W MH
	120W		64	64*1.86W	T6	-20~+50	11400	可替换175W-250W金卤灯 Replace of 175W-250W MH
	140W		64	64*2.17W	T6	-20~+50	13300	可替换250W金卤灯 Replace of 250W MH
LYdB001-LED16	100W	120-277V AC 50Hz/60Hz	16	16*5.85W	T6	-20~+50	9500	可替换175W金卤灯 Replace of 175W MH
	120W		16	16*7.02W	T6	-20~+50	11400	可替换175W-250W金卤灯 Replace of 175W-250W MH
	140W		16	16*8.19W	T6	-20~+50	13300	可替换250W金卤灯 Replace of 250W MH

*CCT is Cool White @ 25℃

应用场合: 石油, 石化, 钢铁, 造船, 电力, 港口码头, 废水处理, 造纸厂等多种1区, 2区气体防爆工业场所及21区, 22区粉尘防爆场所

灯具防爆数据:

防爆形式: EX de 隔爆, 增安型
防爆标志: EX de II C T6 Gb/DIP A21 TA T6
防爆合格证号
外壳防护等级: IP66

外壳材料:

外壳材料无铜铝合金
表面处理喷塑
玻璃罩钢化平板玻璃
安装支架控制铝(表面喷塑)
紧固件不锈钢
接地内部接地和外部接地

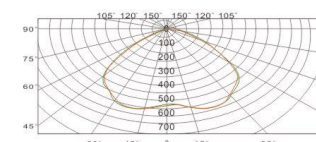
引入装置:

M20x1.5引入装置

电气参数:

功率: 80W/100W/120W/140W
电压: 120-277VAC 50Hz/60Hz
防触电保护等级: I类
遵循标准: GB7000.1-2008 GB3836.1-2010
GB3836.2-2010 GB3836.3-2010
GB12746.1-2000
功率因素: >0.95
色温标准: 5700k 冷白 (3300k暖白可选)
显色指数: >70
接线端子可接单股: 0.5mm²-6mm²导线
电缆外径电缆: φ7-φ11mm, 导线截面1.5mm²
灯具净重量: 约17.5Kg

配光曲线 Polar Diagram



LYDB001-LED64

Application:

oil refineries ,gas stations And other dangerous places

Explosion-proof Date:

Explosion-proof Type: EX de
Explosion-proof mark: EX de II C T6 Gb/DIP A21 TA T6
IP66 protection degree

Housing :

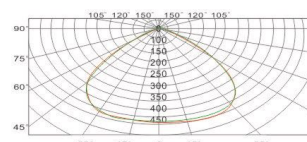
Copper-free aluminium alloy
Spray on the surface
Closure screen in tempered glass
Aluminum bracket
Stainless steel fasteners

Introducing device :

M20*1.5Introducing device

Technical Date :

Power Consumpt : 80W/100W/120W/140W
Power supply:120-277V AC (50/60Hz)
Insulation class: I
Main reference standards:GB7000.1-2008 GB3836.1-2010
GB3836.2-2010 GB3836.3-2010
GB12746.1-2000
Power Factor: >0.95
Standard: 5700k cool white (3300k warm white on request)
CRI: >70
Terminals can linked with a single strand wire of: 0.5mm²-6mm²
External cable: φ7-φ11mm
Net Weight(Max. Wattage):17.5kg



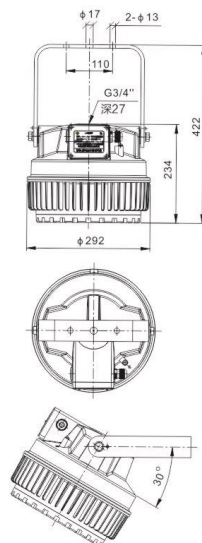
LYDB001-LED16

LYDB002-LED (LED防爆灯)

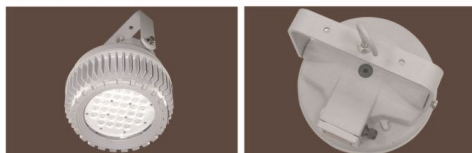
应用场合: 石油, 石化, 钢铁, 造船, 电力, 港口码头, 废水处理, 造纸厂等多种1区, 2区气体防爆工业场所及21区, 22区粉尘防爆场所。



灯具尺寸
Product Dimensions(mm)



防爆灯具 可以配置应急电源



灯具防爆数据:

防爆形式: EX de 隔爆, 增安型
防爆标志: EX de II C T6 Gb/DIP A21 TA T6
防爆合格证号
外壳防护等级: IP66

外壳材料:

外壳材料无铜铝合金
表面处理喷塑
玻璃罩钢化平板玻璃
安装支架控制铝(表面喷塑)
紧固件不锈钢
接地内部接地和外部接地

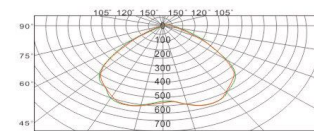
引入装置:

M20x1.5引入装置

电气参数:

功率: 40W/50W/60W/70W
电压: 120-277VAC 50Hz/60Hz
防触电保护等级: I类
遵循标准: GB7000.1-2008 GB3836.1-2010
GB3836.2-2010 GB3836.3-2010
GB12746.1-2000
功率因素: >0.95
色温标准: 5700k 冷白 (3300k暖白可选)
显色指数: Ra >70
接线端子可接单股: 0.5mm²-6mm²导线
电缆外径电缆: φ7-φ11mm, 导线截面1.5mm²
灯具净重量: 约13.5Kg

配光曲线 Polar Diagram



LYDB002-LED32

Application:

oil refineries ,gas stations And other dangerous places

Explosion-proof Date:

Explosion-proof Type: EX de
Explosion-proof mark: EX de II C T6 Gb/DIP A21 TA T6
IP66 protection degree

Housing :

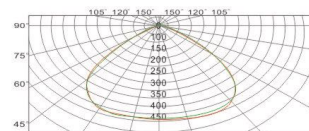
Copper-free aluminium alloy
Spray on the surface
Closure screen in tempered glass
Aluminum bracket
Stainless steel fasteners

Introducing device :

M20*1.5Introducing device

Technical Date :

Power Consumpt : 40W/50W/60W/70W
Power supply:120-277V AC (50/60Hz)
Insulation class: I
Main reference standards:GB7000.1-2008 GB3836.1-2010
GB3836.2-2010 GB3836.3-2010
GB12746.1-2000
Power Factor: >0.95
Standard: 5700k cool white (3300k warm white on request)
CRI: Ra >70
Terminals can linked with a single strand wire of: 0.5mm²-6mm²
External cable: φ7-φ11mm
Net Weight(Max. Wattage):13.5kg



LYDB002-LED8

规格型号表格/Specification:

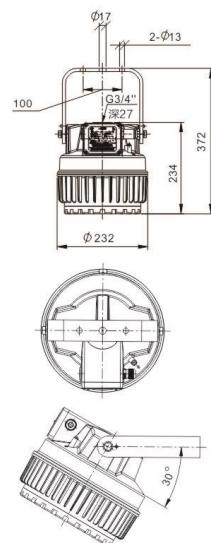
型号 Model	功率 Power	电压 Voltage	LED数量 The number of LED	LED功率 LED power	温度组别T T temperature group	环境温度℃ Ambient temperature	初始光通量lm The initial flux LM	节能效果 The energy saving effect
LYdB002-LED32	40W	120-277V AC 50Hz/60Hz	32	32*1.24W	T6	-20~+50	3800	可替换70W金卤灯 Replace of 70W MH
	50W		32	32*1.55W	T6	-20~+50	4750	可替换70-100W金卤灯 Replace of 70-100W MH
	60W		32	32*1.86W	T6	-20~+50	5700	可替换100W金卤灯 Replace of 100W MH
	70W		32	32*2.17W	T6	-20~+50	6650	可替换100-150W金卤灯 Replace of 100-150W MH
LYdB002-LED8	50W	120-277V AC 50Hz/60Hz	8	8*5.85W	T6	-20~+50	4750	可替换70-100W金卤灯 Replace of 70-100W MH
	60W		8	8*7.02W	T6	-20~+50	5700	可替换100W金卤灯 Replace of 100W MH
	70W		8	8*8.19W	T6	-20~+50	6650	可替换100-150W金卤灯 Replace of 100-150W MH

*CCT is Cool White @ 25°C

LYDB003-LED (LED防爆灯)



灯具尺寸
Product Dimensions(mm)



防爆灯具 可以配置应急电源



应用场合: 石油, 石化, 钢铁, 造船, 电力, 港口码头, 废水处理, 造纸厂等多种1区, 2区气体防爆工业场所及21区, 22区粉尘防爆场所。

灯具防爆数据:

防爆形式: EX de 隔爆, 增安型
 防爆标志: EX de II C T6 Gb/DIP A21 TA T6
 防爆合格证号
 外壳防护等级: IP66

外壳材料:

外壳材料无铜铝合金
 表面处理喷塑
 玻璃罩钢化平板玻璃
 安装支架控制铝(表面喷塑)
 紧固件不锈钢
 接地内部接地和外部接地

引入装置:

M20x1.5引入装置

电气参数:

功率: 20W/25W/30W/35W
 电压: 120-277VAC 50Hz/60Hz
 防触电保护等级: I类
 遵循标准: GB7000.1-2008 GB3836.1-2010
 GB3836.2-2010 GB3836.3-2010
 GB12746.1-2000
 功率因素: >0.95
 色温标准: 5700k 冷白 (3300k暖白可选)
 显色指数: Ra >70
 接线端子可接单股: 0.5mm²-6mm²导线
 电缆外径电缆: φ7-φ11mm, 导线截面1.5mm²
 灯具净重量: 约9.5Kg

Application:

oil refineries ,gas stations And other dangerous places

Explosion-proof Date:

Explosion-proof Type: EX de
 Explosion-proof mark: EX de II C T6 Gb/DIP A21 TA T6
 IP66 protection degree

Housing :

Copper-free aluminium alloy
 Spray on the surface
 Closure screen in tempered glass
 Aluminum bracket
 Stainless steel fasteners

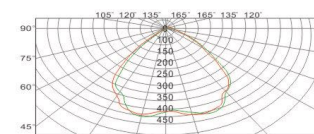
Introducing device :

M20*1.5Introducing device

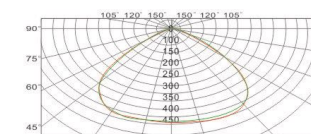
Technical Date :

Power Consumpt : 20W/25W/30W/35W
 Power supply:120-277V AC (50/60Hz)
 Insulation class: I
 Main reference standards:GB7000.1-2008 GB3836.1-2010
 GB3836.2-2010 GB3836.3-2010
 GB12746.1-2000
 Power Factor: >0.95
 Standard: 5700k cool white (3300k warm white on request)
 CRi: Ra >70
 Terminals can linked with a single strand wire of: 0.5mm²-6mm²
 External cable: φ7-φ11mm
 Net Weight(Max. Wattage):9.5kg

配光曲线 Polar Diagram



LYDB003-LED16



LYDB003-LED4

规格型号表格/Specification:

型号 Model	功率 Power	电压 Voltage	LED数量 The number of LED	LED功率 LED power	温度组别T Temperature group	环境温度℃ Ambient temperature	初始光通量lm The initial flux Lm	节能效果 The energy saving effect
LYDB003-LED16	20W	120-277V AC 50Hz/60Hz	16	64*1.24W	T6	-20~+50	1900	可替换40W金卤灯 Replace of 40W MH
	25W		16	64*1.55W	T6	-20~+50	2425	可替换50W金卤灯 Replace of 50W MH
	30W		16	64*1.86W	T6	-20~+50	2850	可替换60W金卤灯 Replace of 60W MH
	35W		16	64*2.17W	T6	-20~+50	3325	可替换70W金卤灯 Replace of 70W MH
LYDB003-LED4	25W	120-277V AC 50Hz/60Hz	4	16*5.85W	T6	-20~+50	2425	可替换50W金卤灯 Replace of 50W MH
	30W		4	16*7.02W	T6	-20~+50	2850	可替换60W金卤灯 Replace of 60W MH
	35W		4	16*8.19W	T6	-20~+50	3325	可替换70W金卤灯 Replace of 70W MH

*CCT is Cool White @ 25°C

LYDB-LED-817E



规格型号表格/Specification:

序号 No	名称 Item	单位 Unit	参数 Date
1	输入电源 Input voltage	额定电压 Rated voltage V	Ac220
		额定频率 Rated frequency Hz	50
2	光源 Source	种类 Type	LED
		功率 Consumpt	1
3	光源寿命 Source working life		100000
4	应急时长 Response time	h	8
5	充电时长 Electricize time	h	6
6	进线口螺纹 Screw thread	h	G3/4
7	灯具规格 Size	mm	310 × 260 × 95
8	灯具重量 Weight	Kg	5.2
9	引入电缆 Wire	mm	Φ8-12
10	防护等级 Protection degree	GB	IP65
11	防腐等级 Antisepticise degree	GB	WF2
12	绝缘等级 Insulate degree	GB	I
13	防爆标志 Explosion-proof mark	GB	Exd II BT6

*CCT is Cool White @ 25°C

应用场合: 油田、中转站、内场泵房、联合站、配电间、操作间、值班室、计量间及易燃易爆场所需要装置防爆标志灯。

灯具防爆数据:

- ◆ 完全按防爆要求设计制造, 能在易燃易爆危险场所安全可靠工作;
- ◆ 用最新绿色环保大功率LED固态光源发光, 光效高、寿命长, 寿命可高达100000小时, 可实现长期免维护, 光线柔和均匀功耗极小。
- ◆ 外壳采用轻质合金材料和最新的表面处理技术, 耐磨抗腐, 防水防尘, 能使灯具在各种恶劣的环境下正常工作; 钢化玻璃的透明件内有双色指示灯, 红色为正常供电, 绿色为应急状态, 应急时间长达6小时, 是普通应急标志灯的5倍,
- ◆ 防爆箱内装有免维护锂电池组, 在正常供电下自动充电, 停电或事故时自动转换为电池组供电, 防误操作面盖, 在打开时自动切断输出电源, 可安全更换光源。多种标志牌, 用户可根据需要选配。
- ◆ 采用壁挂式、座式等多种安装方式; 体积小, 重量轻, 电缆间接引入方式, 安装接线简单方便。

Application:

oil field、transhipment station、distribution room、duty room and some inflammable and explosive area.

Main Features

- ◆ The light's design and manufacture is completely according to the explosion-proof requirements, which is able to work safely in places where are inflammable and explosive
- ◆ Using the high efficiency and long life LED source, which can live up to 100000 hours and can achieve long-term free maintenance, uniform soft light.
- ◆ Shell is made of light alloy materials and the latest surface treatment technology, that make the lamps can be work properly in a variety of hostile environments. Two-color LEDs in the transparent tempered glass parts, red for the normal power supply, green for the State of emergency. Emergency response time can be up to 6 hours, which is 5 times than the ordinary emergency lights
- ◆ Explosion-proof tank is equipped with maintenance-free lithium-ion battery pack. Under the normal power position the light is auto-rechargeable, automatically converted to battery-powered power outage or incident. Misoperation-proof cover cut off the power output automatically when it is open. The light source and a variety of signs can be safely replaced according to the users' requirements.
- ◆ A variety of installation methods such as using wall-mounted and seat type.
Small volume, light weight and the wiring is simple and convenient to be connected.

Solar Led Lighting Introduction /

太阳能LED灯具介绍

燎原太阳能 LED 路灯系统是一项国际领先，国内首创的照明技术。通过控制器结合蓄电池充放电特性，能在连续阴雨 15 天的情况下保持亮灯。攻克了普通太阳能 LED 路灯阴雨天只能维持 2-3 天的技术难题，是太阳能 LED 路灯领域的一项技术革命。利用功率动态充放电技术，使蓄电池寿命大幅延长。产品采用整体铝压铸工艺，工作腔体经多重防水处理，确保系统的运行可靠性。

LED 路灯与成套传统高压钠灯（包括灯具、灯杆、电缆、厢变及安装）的基本造价相近，充分体现出太阳能 LED 路灯的经济性。该产品应用广泛，特别适用于无供电或难以供电的高速公路、大型广告牌、高山村落、海岛、草原等地的照明。已经在宁波、杭州、江阴、沈阳及尼日利亚、西班牙、澳大利亚、南美等地区，安装了 10000 多套灯具，优异的产品性能在业内取得广泛好评，市场空间巨大。

Liaoyuan Solar Streetlight Intelligent Control System (SSICS) is a revolutionary technology in solar lighting area. Through the combination with SSICS and battery, it keeps lighting in the continuous 15 raining days while the normal solar lighting products last only 2-3 days. SSICS also helps battery lengthen its lifespan significantly by dynamic discharging and recharging technology. One piece aluminum die casting process and water proof big space design ensure the high reliable continuous operation.

Moreover, the investment cost of one set of solar LED streetlight is equivalent to one set of traditional High Pressure Sodium streetlight including light fixture, pole, cable, transformer and installation. It has great value to promote the technology of SSICS in the area where is difficulty to use the electricity supply, such as in rural, pasture, island or mountain areas. More than 10000 sets of solar streetlight system have been installed in Spain, Australia, Nigeria, Ningbo, Hangzhou, etc. As a well proven high level technology, we will constantly contribute more to energy saving green lighting in the world.

燎原智能化控制器工作原理

Working Principle of Liaoyuan Solar Intelligent Controller

燎原一体式太阳能控制器 12V/24V



- ◇ 具有真正的 MPPT 功能，适合不同串联数目的单晶硅、多晶硅或非晶硅电池板，能显著提高太阳能电池板的能量利用率。
- ◇ 具有无线通讯功能，通过太阳能路灯智能管理系统和无线模块，对路灯进行远程监控、实时监控。
- ◇ 支持远程开关灯/调光及蓄电池、负载参数修改。
- ◇ 实时监控太阳能板电压、电流、功率、蓄电池充放电电流、电压、负载工作状态、控制器工作状态等数据以及故障自动报警。
- ◇ 支持 12V 和 24V 铅酸电池和锂电池使用，用户可自行设置铅酸电池工作模式或是锂电池工作模式。
- ◇ 专门针对锂电池设计的充放电管理模式，支持 3~8 串的三元锂、钴酸锂、锰酸锂和磷酸铁锂电池等。
- ◇ 多波峰 MPPT 技术，适用于光伏电池部分阴影遮挡或者部分损坏的情况，追踪效率大于 99%。
- ◇ 内置升压 LED 恒流驱动，最大可直接驱动 18 颗串联 LED。
- ◇ 四时段调光设计（含晨亮）。
- ◇ 可通过红外遥控设置参数，读取参数和控制器运行的历史数据。
- ◇ 自动识别白天/黑夜。
- ◇ 极低的休眠损耗 0.06W。
- ◇ IP68 防水等级。
- ◇ 具有光伏超压、充电限功率、负载短路/开路、防反充、反接、超温、TVS 防雷等保护。

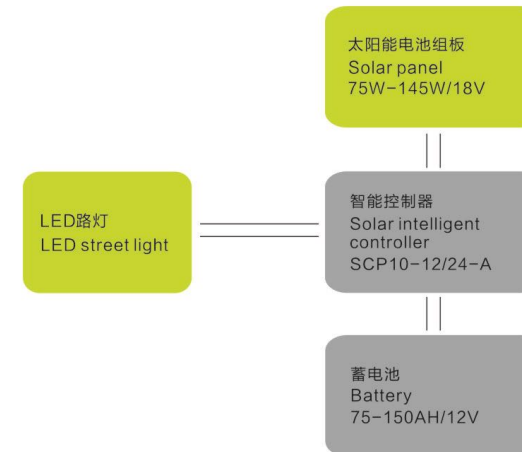
Specification List of Solar Streetlight Series /

太阳能路灯系列配置一览表

12V 太阳能路灯系统 / 12V solar street light system

路灯功率 Power	宜采用 LED 数量 (以 1-3W 单颗串联为例) LED number	DC-DC 输入电压 DC-DC input voltage	DC-DC 输出电参数 DC-DC output parameter	太阳能电池板配置 Solar panel Specification	蓄电池配置 Battery Specification	适合安装高度 The installation height
20W	9-18pcs	12V	150mA-4800mA(可调 dimming) 15V-60V	75W/18V	75AH/12V	3-5m
30W	18-24pcs	12V	150mA-4800mA(可调 dimming) 15V-60V	100W/18V	100AH/12V	3-5m
40W	24-36pcs	12V	150mA-4800mA(可调 dimming) 15V-60V	145W/18V	150AH/12V	4-6m

配置接线示意图 Wiring Layout



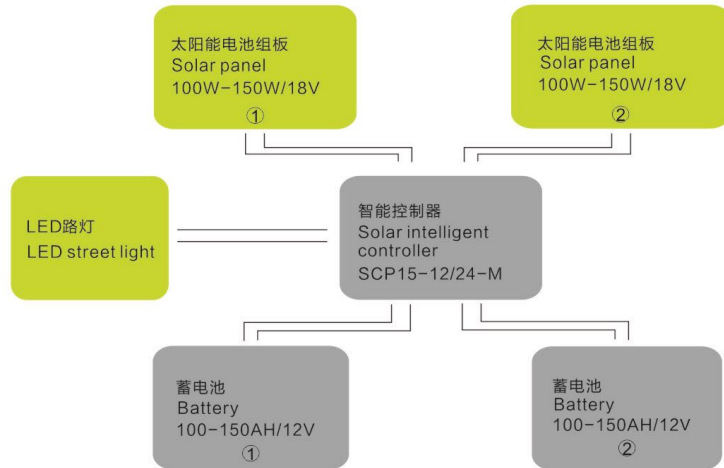
Specification List of Solar Streetlight Series /

太阳能路灯系列配置一览表

24V 太阳能路灯系统 / 24V solar street light system

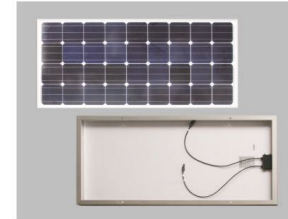
路灯功率 Power	宜采用LED数量 (以1-3W单颗串联为例) LED number	DC-DC输入电压 DC-DC input voltage	DC-DC输出电参数 DC-DC output parameter	太阳能电池板配置 Solar panel Specification	蓄电池配置 Battery Specification	适合安装高度 The installation height
60W	32-48pcs	24V	150mA-4800mA(可调dimming) 29V-60V	100W*2/18V	100AH*2/12V	6-8m
80W	48-64pcs	24V	150mA-4800mA(可调dimming) 29V-60V	120W*2/18V	120AH*2/12V	8-10m
100W	64-80pcs	24V	150mA-4800mA(可调dimming) 29V-60V	150W*2/18V	150AH*2/12V	8-10m

配置接线示意图 Wiring Layout



Performance And Advantages /

产品性能优点

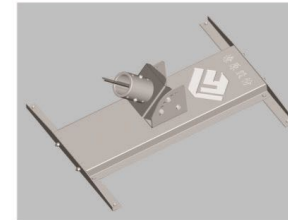


太阳能电池板
Solar Panel

太阳能电池板 Solar Panel

1. 正面采用低铁超白布纹(绒面)玻璃封装, 太阳总透射比(350-1800nm) 高达 91.42%。
2. 选用效率为 16%-17% 的单晶硅太阳能电池片, 使组件更有效的进行光电转换。
3. 按最恶劣的气候条件设计: 工作温度, -30°C~75°C; 相对湿度, 0-100%; 最大风速, >150 公里/小时

- 1.cover uses embossed glass ,total sun transmission reach 91.42%
- 2.mono-crystal line silicon solar cells reach a efficiency at 16%-17%,to be more efficient in conversion
- 3.work in terrible condition. Temperature of working condition:-30°C~75°C,Humidity of working condition:0~100%,Max wind speed:>150km/h.



太阳能板安装支架
Solar Panel Bracket

太阳能板安装支架 Solar Panel Bracket

1. 0°~60°灵活调节太阳能电池板的倾斜角, 满足地球各纬度的安装需求, 同时精确的刻度保持批量安装的一致性
2. 360°全方位的调节太阳能电池板的方向角。
3. 整个支架采用全钢结构, 牢固、方便。

- 1, solar panel can be adjusted from 0~60°.It can satisfy all customers from different regions. Precise scale to maintain the consistency of batch installation.
- 2, Azimuth angle of solar panel can be adjusted 360°.
- 3, Whole bracket is made of aluminum. Installation are solid, portable and convenient



蓄电池
Battery

蓄电池 Battery

- 1.普通环境: 性价比较高的阀控免维护的铅酸蓄电池
- 2.低温环境: 零下7°C以下时, 选用抗低温性能优越的胶体蓄电池, 建议选用地埋安装方式
- 3.高温环境: 常年50°C以上, 选用抗高温性能优越的磷酸铁锂电池, 如果多数时间温度较高, 性价比较高的做法是选胶体地埋, 这样能使蓄电池寿命大大延长

- 1.Normal condition: lead-acid battery with good cost performance and free maintenance
- 2.Low temperature condition: Using colloid storage battery if the temperature is lower than -7°C and underground style is suggested.
- 3.High temperature condition: Using Ni-Cd battery if the temperature is always more than 45°C. However, colloid battery with underground style are best way to keep battery long life.

港珠澳大桥

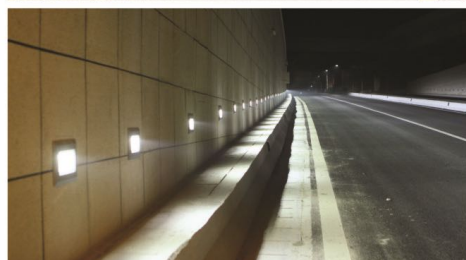
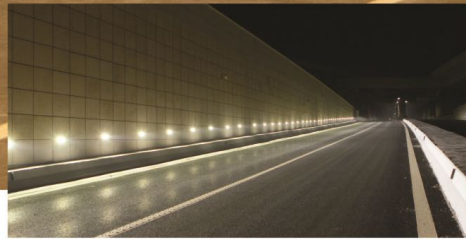
Hong Kong-Zhuhai-Macao Bridge





杭州湾跨海大桥
Hangzhou bay bridge

NBDD-LED-290D / 实景案例



杭州紫金港隧道
Hangzhou zijinggang tunnel
NBS-LED-18(18W) / 实景案例



青岛迎宾大道
Qingdao Yingbing Road
NBDD-LED-90A/90B(360W/180W) / 实景案例



南宁EMC节能改造工程
Nanjing EMC Energy Saving Reconstruction Project
NBDD-LED-500A/500B / 实景案例





迪拜
Dubai
NBDD-LED-290B(40W) / 实景案例

几内亚
Guinea

NBDD-LED-400(90W) / 实景案例





德国
Germany

NBDD-LED-290B(60W)/ 实景案例

www.nbliaoyuan.com

141~142