

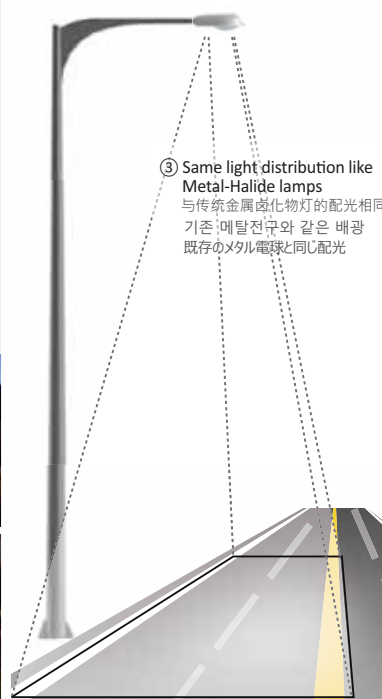
Street Light Security Light **OBB Street**



→ ICEPIPE LED Street Light

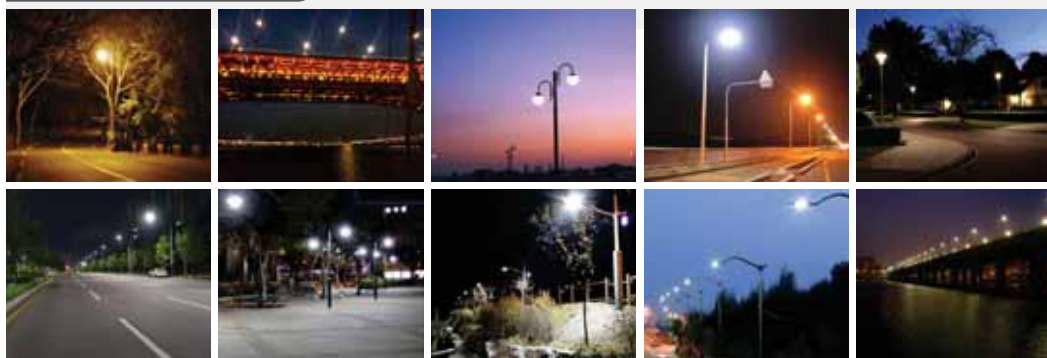


- ① Economical by not requiring replacement of existing luminaires but only light bulbs
无需更换现有灯具，只需更换灯泡即可
기존 등기구를 교체하지 않고 전구만 교체하여 경제적인
既存の照明器具を交換せずに電球が交換できて経済的である
- ② Save 1/3 of electricity cost compared to traditional Metal-Halide lamps
比传统金属卤化物灯节省1/3电费
메탈전구에 비하여 1/3 전기료 절감
既存のメタル電球に比べて1/3の電気代節約



- ③ Same light distribution like Metal-Halide lamps
与传统金属卤化物灯的配光相同
기존 메탈전구와 같은 배광
既存のメタル電球と同じ配光

Applications Specifications



Street Light

Security Light

Security Light

Street Light

Security Light

OBB Street Specifications

Model	Power	Voltage	Hz	Wattage	Total Lumen	Pupil Lumen	Luminous Efficacy	CCT	CRI	Beam Angle	Temperature	IP
OBB-Street D50W IEA*	ACP	AC220V AC100V	50~60Hz	50W	4,350lm	8,265Plm	87lm/W	5,700K	83Ra	140° x 60°	-40°C ~ 60°C	IP67
OBB-Street D60W IEA*				60W	5,200lm	9,576Plm	86lm/W					
OBB-Street D80W IEA*				80W	6,480lm	11,552Plm	81lm/W					

※ In this catalogue, default color temperature is 5,700K and when color temperature of 3,000K is applied, total lumen and luminous efficacy decrease by 10%
 ※ Standard Deviation : Electricity Consumption $\pm 7\%$, Total Lumen $\pm 7\%$, Light Efficacy $\pm 7\%$, CCT $\pm 6\%$, CRI $\pm 2\%$ in this catalogue
 ※ Specifications are subject to change without prior notice. Please refer to our website for the newest specifications (www.icepipeLED.com)

※ 1) Pupil Lumen (有效光通量, 가시광속, 有效全光束) → Reference p.24 (p.24 参照, p.24 참조, p.24 参照)
 Pupil Lumen = Photopic Lumens x S/P Ratio
 ○ Photopic Lumen : 照度計測値 / 조도계로 측정된 값 / 照度測定器で測定した値
 ○ S/P Ratio : S/P 比率, S/P 비율, S/P 比率

※ **IEA*** interference Min. THD (Total Harmonic Distortion)
 Energy Saving PFC (Power Factor Correction)
 Airtight

OBB Street

Street Light, Security Light

Composition(内部构造, 내부구조, 内部構造)

■ OBB Street

PC Cap Vent

通风口, 통풍구, 通風口

Adopted "In-Flow" method with the cap vents at the bottom of the bulb that guides air flow

采用灯体下部的透气孔设计,从而诱导内部空气流通的 "In-Flow"方式

벌브 하단에 공기구멍을 형성하여 내부에 공기흐름을 유도하는 "In-Flow" 방식 적용
電球下部に空氣孔を形成し、内部に空氣の流れを誘導する "In-Flow" 方式の適用

Fixture (灯具, 등기구, 灯器具)

Pole (支柱, 기둥, 柱)

Aluminum/铝/알루미늄/アルミ E39 Socket

E39灯头, E39소켓, E39口金

PC Diffuser Bulb

散光球泡, 확산벌브, 拡散電球

It does not glare
Offers wide range of brightness
(15W, 20W, 25W, 30W, 35W, 50W, 80W, 120W)

不耀眼
备有多种亮度的球泡灯
(15W, 20W, 25W, 30W, 35W, 50W, 80W, 120W)

눈부시지 않음
다양한 밝기의 전구 구비
(15W, 20W, 25W, 30W, 35W, 50W, 80W, 120W)

グレア無し
様々な明るさの電球完備
(15W, 20W, 25W, 30W, 35W, 50W, 80W, 120W)

PC Housing

外壳, 하우징, 케이스

PC Cover

灯罩, 커버, 카버

The vents at the crown of the cover circulate heat inside to outside

灯体上部设有空气孔·使内部产生的热向外循环排出

커버 상부에 공기 구멍을 형성하여 내부의 열을 외부로 순환

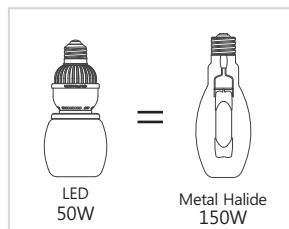
カバー上部に空氣穴を形成し、内部の熱を外部に循環

Illustration (实际安装, 설치사례, 設置事例)

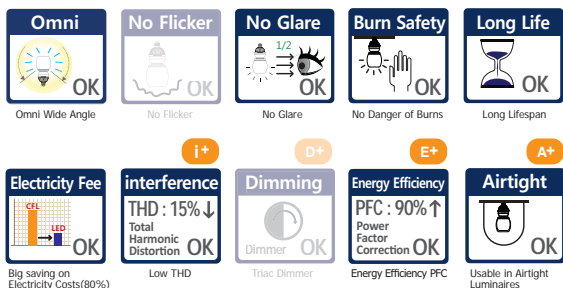


OBB-D50W iEA+

Replacement for Metal Halide 150W, 可代替150W金属卤化物灯, 메탈할라이드 150W 대체가능, 메탈하라이드 150W 相当

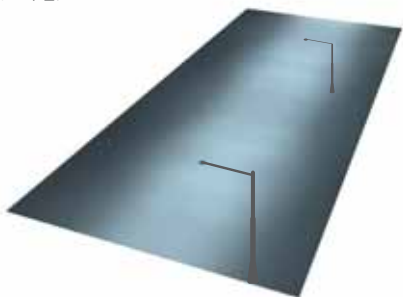
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■ Features(特点, 특장점, 特徴)



■ Simulation Example

1. Model(型号名称, 모델명, モデル) : OBB-D50W iEA+
2. Maintenance Factor : 75%
光维持率, 보수율, 保守率



3. Efficacy relative to installation conditions :
(On two lane road, installed along one side)
安装条件: 单向2车道, 1列,
설치 조건별 성능: (편도 2차선, 1열 설치),
設置条件: 片道2車線, 1列

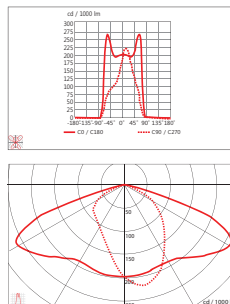
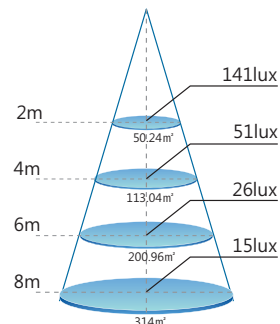
Interval 灯间距 등간격 照明間隔	Light Installation Height : 8m 灯具安装高度 등설치 높이 設置高さ		Light Installation Height : 10m 灯具安装高度 등설치 높이 設置高さ	
	Average Floor Illuminance 地面平均照度 바닥평균조도 床平均照度	Uniformity 均匀度 균제도 均斉度	Average Floor Illuminance 地面平均照度 바닥평균조도 床平均照度	Uniformity 均匀度 균제도 均斉度
12m	14.8lux	U0=0.44 U1=0.91	12.3lux	U0=0.57 U1=0.94
16m	11.1lux	U0=0.43 U1=0.88	9.2lux	U0=0.58 U1=0.72

※ Clients can find simulation data for evaluation with installation dimensions, interval, and height.

客户提供相关安装参数时, 本公司可提供照度模拟计算服务

조사면적, 등간격, 설치높이를 알려주시면 당사에서 시뮬레이션 해드립니다

照射面積は、照明の間隔、設置高さ情報をいただければ、当社でシミュレーションして致します

■ Light Distribution Curve
配光曲线, 배광곡선, 配光曲線■ Illumination Intensity
照度示意图, 직하조도표, 直下照度

■ Applications(适用范围, 용도, 適用範圍)

- Street Light(路灯, 가로등, 街路灯)
- Security Light(保安灯, 보안등, 防犯灯)

■ Replacement For: Metal Halide 150W

代替: 150W 金属卤化物灯

대체: 메탈할라이드 150W

代替: 메탈하라이드 150W

■ Specifications(参数, 사양, 仕様)

1. Input Voltage(输入电压, 입력전압, 入力電圧) : AC220V, AC100V
2. Installation(安装, 설치, 設置) : Arm
3. Wattage(消耗功率, 소비전력, 消費電力) : 50W
4. Total Lumen(光通量, 총광량, 全光束) : 4,350lm (3,915lm)
5. Luminous Efficacy(光效, 광효율, 光効率) : 87lm/W (78lm/W)
6. Pupil Lumens(有效光通量, 가시총광속, 有効全光束) : 8,265Plm (7,439Plm)
7. CCT(色温, 색온도, 色温度) : 5,700K (3000K)
8. CRI(显色性, 연색성, 演色性) : 83Ra
9. Beam Angle(照射角度, 조사각도, ビーム角) : 140°x 60°
10. IP Rating(防水等级, 방수등급, 防水等級) : IP67

■ Weight and Dimensions

1. Weight(重量, 무게, 重量) : 5.5Kg
2. Dimensions : 616mm(W) X 350mm(L) X 208mm(H)
产品尺寸, 제품사이즈, 製品サイズ
3. Packaging Size : 365mm(W) X 675mm(L) X 215mm(H)
单个产品包装, 개별박스포장, 小箱梱包

■ Installation Conditions(使用条件, 사용조건, 使用条件)

1. Indoors, Outdoors(with ceilings)
室内・室外(屋檐), 실내, 실외(천장 있는 곳), 屋内, 屋外(軒下)
2. Operation Temperature(使用温度, 사용온도, 使用温度) : -40°C ~ 60°C
3. Permitted Installation Angle : Rotates 360°, Pivots up to 90°
适用安装角度: 上下90°, 全方向360°, 설치허용각도: 상하90°, 전방향360°,
設置許可角度: 上下90°, 全方向360°

■ Dimming(调光, 조광, 調光)

1. Dimmer Incompatible(禁止使用调光器, 디머 사용불가, 調光器使用不可)



※ In this catalogue, default color temperature is 5,700K and when color temperature of 3,000K is applied, total lumen and luminous efficacy decrease by 10%

※ Standard Deviation : Electricity Consumption $\pm 7\%$, Total Lumen $\pm 7\%$, Light Efficacy $\pm 7\%$, CCT $\pm 6\%$, CRI $\pm 2\%$ in this catalogue

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OBB Street

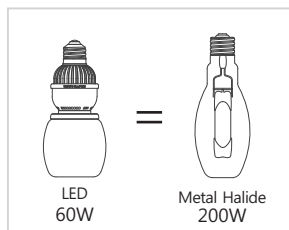
Street Light, Security Light

OBB-D60W **IEA+**

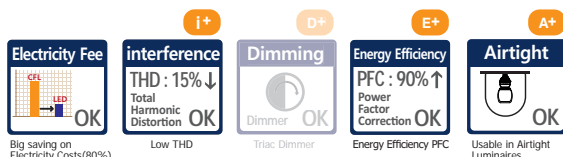
Replacement for Metal Halide 200W, 可代替200W金属卤化物灯, 메탈할라이드 200W 대체가능, 메탈할라이드 200W 相当



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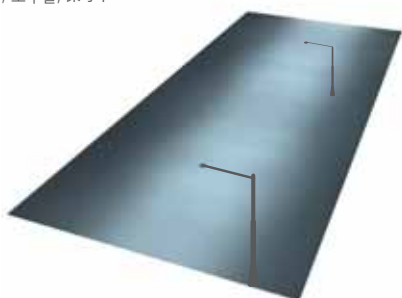


■ Features(特点, 특징, 特徴)



■ Simulation Example

1. Model(型号名称, 모델명, モデル) : OBB-D60W **IEA+**
2. Maintenance Factor : 75%
光维持率, 보수율, 保守率



3. Efficacy relative to installation conditions :
(On two lane road, installed along one side)
安装条件: 单向2车道, 1列,
설치 조건별 성능: (편도 2차선, 1열 설치),
設置条件: 片道2車線, 1列

Interval 灯间距 등간격 照明間隔	Light Installation Height : 8m 灯具安装高度 등설치 높이 設置高さ		Light Installation Height : 10m 灯具安装高度 등설치 높이 設置高さ	
	Average Floor Illuminance 地面平均照度 바닥평균조도 床平均照度	Uniformity 均匀度 균제도 均齊度	Average Floor Illuminance 地面平均照度 바닥평균조도 床平均照度	Uniformity 均匀度 균제도 均齊度
12m	17.2lux	U0=0.44 U1=0.91	14.2lux	U0=0.57 U1=0.94
16m	12.9lux	U0=0.43 U1=0.88	10.7lux	U0=0.58 U1=0.90

※ Clients can find simulation data for evaluation with installation dimensions, interval, and height.

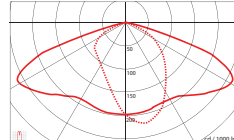
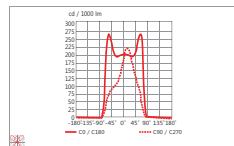
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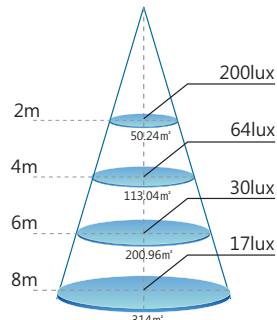
■ Light Distribution Curve

配光曲线, 배광곡선, 配光曲線



■ Illumination Intensity

照度示意图, 직하조도표, 直下照度



■ Applications(适用范围, 용도, 適用範圍)

- Street Light(路灯, 가로등, 街路灯)
- Security Light(保安灯, 보안등, 防犯灯)

■ Replacement For: Metal Halide 150W

代替: 150W 金属卤化物灯

대체: 메탈할라이드 150W

代替: 메탈할라이드 150W

■ Specifications(参数, 사양,仕様)

1. Input Voltage(输入电压, 입력전압, 入力電圧) : AC220V, AC100V
2. Installation(安装, 설치, 設置) : Arm
3. Wattage(消耗功率, 소비전력, 消費電力) : 50W
4. Total Lumen(光通量, 총광량, 全光束) : 5,040lm (4,536lm)
5. Luminous Efficacy(光效, 광효율, 光効率) : 84lm/W (76lm/W)
6. Pupil Lumens(有效光通量, 가시총광속, 有効全光束) : 9,576Plm (8,618Plm)
7. CCT(色温, 색온도, 色温度) : 5,700K (3000K)
8. CRI(显色性, 연색성, 演色性) : 83Ra
9. Beam Angle(照射角度, 조사각도, ビーム角) : 140°x 60°
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1. Weight(重量, 무게, 重量) : 5.5Kg
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1. Indoors, Outdoors(with ceilings)
室内・室外(屋檐), 실내, 실외(천장 있는 곳), 屋内, 屋外(軒下)
2. Operation Temperature(使用温度, 사용온도, 使用温度) : -40°C~ 60°C
3. Permitted Installation Angle : Rotates360°, Pivots up to90°
适用安装角度: 上下90°・全方向360°, 설치허용각도: 상하90°, 전방향360°,
設置許可角度: 上下90°, 全方向360°

■ Dimming(调光, 조광, 調光)

1. Dimmer Incompatible(禁止使用调光器, 디머 사용불가, 調光器使用不可)



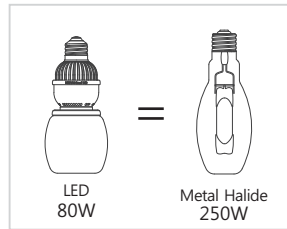
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※ Standard Deviation : Electricity Consumption ±7%, Total Lumen ±7%, Light Efficacy ±7%, CCT ±6%, CRI ±2% in this catalogue

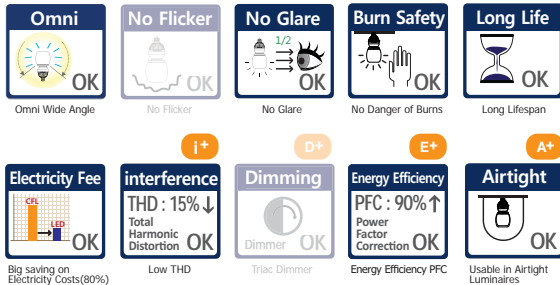
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OBB-D80W iEA+

Replacement for Metal Halide 250W, 可代替250W金属卤化物灯, 메탈할라이드 250W 대체가능, 메탈ハライド 250W 相当

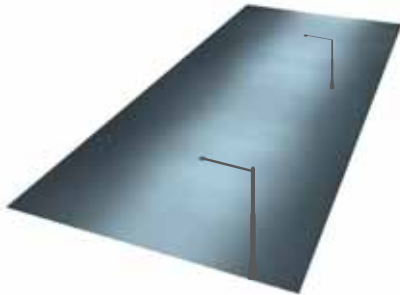


■ Features(特点, 특징, 特徴)



■ Simulation Example

1. Model(型号名称, 모델명, モデル) : OBB-D80W iEA+
2. Maintenance Factor : 75%
光维持率, 보수율, 保守率



3. Efficacy relative to installation conditions :
(On two lane road, installed along one side)

安装条件: 单向2车道, 1列.
설치 조건별 성능: (편도 2차선, 1열 설치),
設置条件: 片道2車線, 1列

Interval 灯间距 등간격 照明間隔	Light Installation Height : 8m 灯具安装高度 등설치 높이 設置高さ		Light Installation Height : 10m 灯具安装高度 등설치 높이 設置高さ	
	Average Floor Illuminance 地面平均照度 바닥평균조도 床平均照度	Uniformity 均匀度 균제도 均斉度	Average Floor Illuminance 地面平均照度 바닥평균조도 床平均照度	Uniformity 均匀度 균제도 均斉度
12m	20.7lux	U0=0.44 U1=0.91	17.2lux	U0=0.57 U1=0.94
16m	15.6lux	U0=0.43 U1=0.88	12.9lux	U0=0.58 U1=0.90

※ Clients can find simulation data for evaluation with installation dimensions, interval, and height.

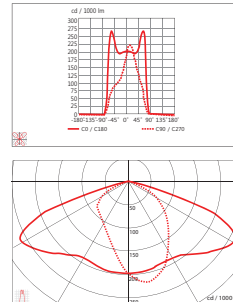
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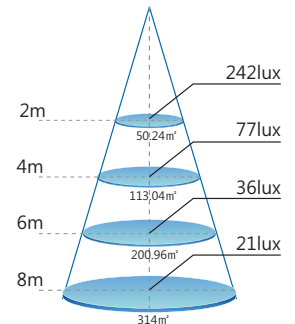
■ Light Distribution Curve

配光曲线, 배광곡선, 配光曲線



■ Illumination Intensity

照度示意图, 직하조도표, 直下照度



■ Applications(适用范围, 용도, 適用範圍)

- Street Light(路灯, 가로등, 街路灯)
- Security Light(保安灯, 보안등, 防犯灯)

■ Replacement For: Metal Halide 150W

代替: 150W 金属卤化物灯
대체: 메탈할라이드 150W
代替: メタルハライド 150W

■ Specifications(参数, 사양, 仕様)

1. Input Voltage(输入电压, 입력전압, 入力電圧) : AC220V, AC100V
2. Installation(安装, 설치, 設置) : Arm
3. Wattage(消耗功率, 소비전력, 消費電力) : 80W
4. Total Lumen(光通量, 총광량, 全光束) : 6,480lm (5,472lm)
5. Luminous Efficacy(光效, 광효율, 光効率) : 81lm/W (68lm/W)
6. Pupil Lumens(有效光通量, 가시총광속, 有効全光束) : 11,552Plm (10,397Plm)
7. CCT(色温, 색온도, 色温度) : 5,700K (3000K)
8. CRI(显色性, 연색성, 演色性) : 83Ra
9. Beam Angle(照射角度, 조사각도, ビーム角) : 140°x 60°
10. IP Rating(防水等级, 방수등급, 防水等級) : IP67

■ Weight and Dimensions

1. Weight(重量, 무게, 重量) : 5.5Kg
2. Dimensions : 616mm(W) X 350mm(L) X 208mm(H)
产品尺寸, 제품사이즈, 製品サイズ
3. Packaging Size : 365mm(W) X 675mm(L) X 215mm(H)
单个产品包装, 개별박스포장, 小箱梱包

■ Installation Conditions(使用条件, 사용조건, 使用条件)

1. Indoors, Outdoors(with ceilings)
室内・室外(屋檐), 실내, 실외(천장 있는 곳), 屋内, 屋外(軒下)
2. Operation Temperature(使用温度, 사용온도, 使用温度) : -40°C ~ 60°C
3. Permitted Installation Angle : Rotates 360°, Pivots up to 90°
适用安装角度: 上下90°・全方向360°, 설치허용각도: 상하90°, 전방향360°,
設置許可角度: 上下90°, 全方向360°

■ Dimming(调光, 조광, 調光)

1. Dimmer Incompatible(禁止使用调光器, 디머 사용불가, 調光器使用不可)



※ In this catalogue, default color temperature is 5,700K and when color temperature of 3,000K is applied, total lumen and luminous efficacy decrease by 10%

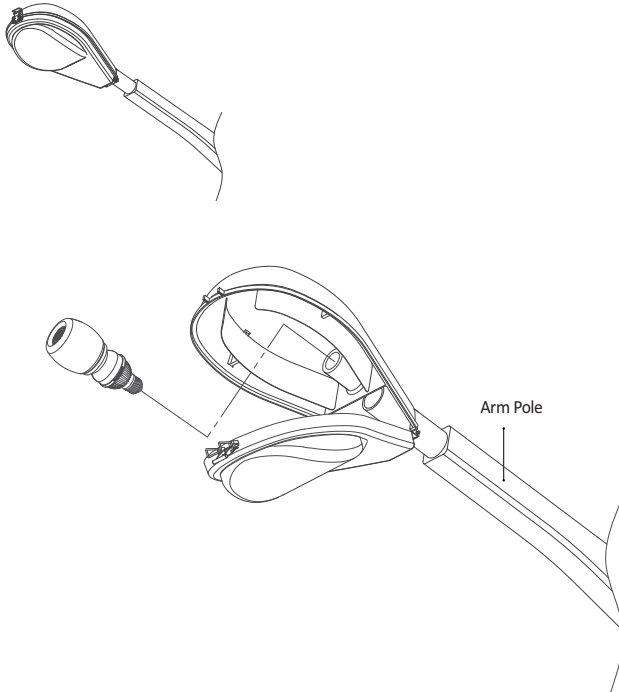
※ Standard Deviation : Electricity Consumption ±7%, Total Lumen ±7%, Light Efficacy ±7%, CCT ±6%, CRI ±2% in this catalogue

※ Specifications are subject to change without prior notice. Please refer to our website for the newest specifications (www.icepipeLED.com)

OBB Street Series Installation Types(安装形式, 설치타입, 設置タイプ)

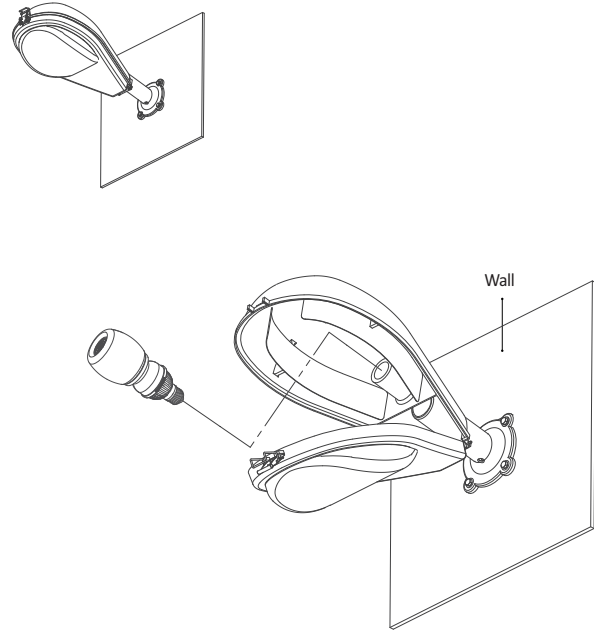
Street Light

Install 1 OBB Street



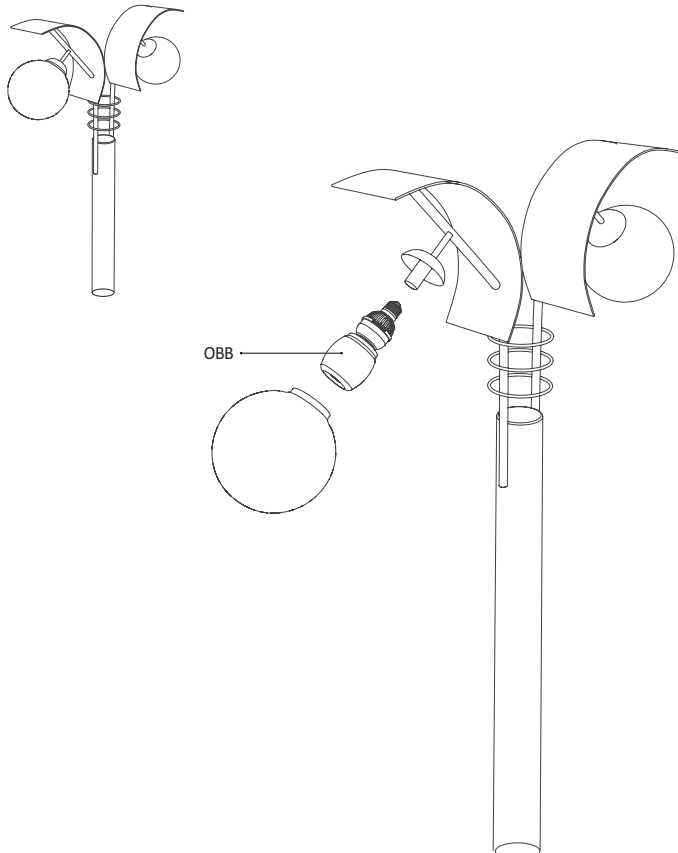
Security Light

Install 2 ^{Option 9} Wall Bracket



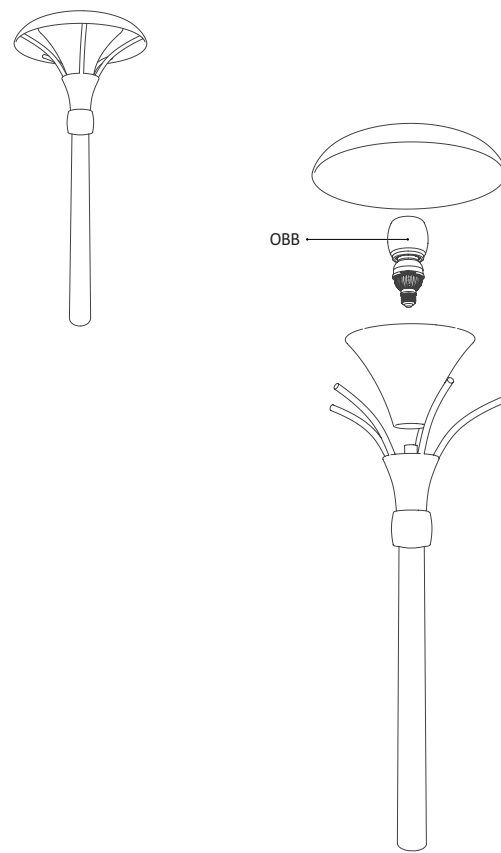
Security Light

Install 3 OBB + Fixture 1



Security Light

Install 4 OBB + Fixture 2



OBB Street Series Options

CR2000	CH2000	CH2500	CD800	CD1500	CD3000	CD4000	CT2000	CT2500	CT3000	CT5000	CT8000	OB8 Street	CD800S	CD1500S	CD3000S	CD4000S	Omini LED Bulb	POP LED
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Memo

- CR2000
- CH2000
- CH2500
- CD800
- CD1500
- CD3000
- CD4000
- CT2000
- CT2500
- CT3000
- CT5000
- CT8000
- OBB Street**
- CD800S
- CD1500S
- CD3000S
- CD4000S
- Omni LED Bulb
- POP LED

