

Omni LED Bulb

Bulb, Downlight

Illustration(实际安装, 설치사례, 設置事例)



OBB

OBB-i15W IDEA*

OBB-i20W IDEA*

OBB-i25W IDEA*

OBB-i30W IDEA*

OBB-i35W IDEA*

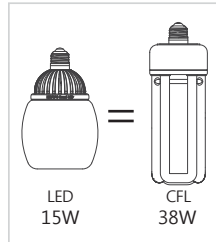


Omni LED Bulb

Bulb, Downlight

OBB-i15W **IDEA+**

Replacement for CFL 38W, 可代替CFL 38W, CFL 38W 대체, CFL 38W 相当



Specifications

1. Input Voltage : AC100~240V(AC90~264V), 50/60Hz
2. Installation : E26/27
3. Wattage : 15W
4. Total Lumen : 1,440lm
5. Luminous Efficacy : 96lm/W
6. Pupil Lumen : 2,736Plm
7. CCT : 5,700K
8. CRI : 85Ra
9. Beam Angle : 270°

IDEA+

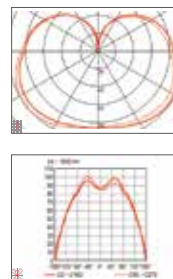
10. interference Min. THD : 10%
11. Dimming : Compatible
12. Energy Saving PFC : 93%
13. Airtight : Compatible

Weight and Dimensions

1. Weight : 190g
2. Dimensions : Φ110mm × 174.8mm(H)

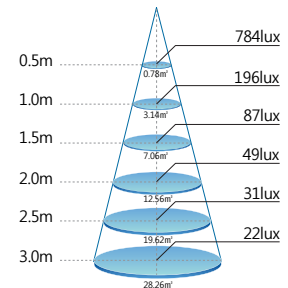
Light Distribution Curve

配光曲线, 배광곡선, 配光曲線

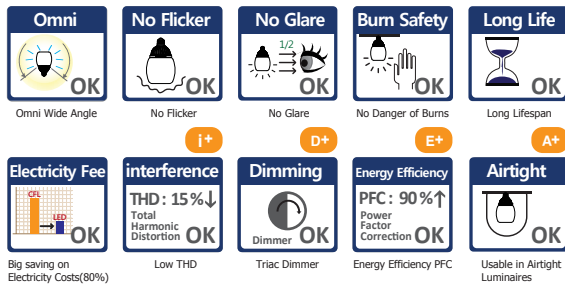


Illumination Intensity

照度示意图, 직하조도표, 直下照度



* Below specifications are at 5,700K CCT, for 4,200K or 2,800K CCT, please refer to our website
 下面是5,700K参数, 4,200K, 2,800K请参阅网页
 아래 스펙은 5,700K 기준. 4,200K, 2,800K는 홈페이지를 참조 하십시오
 下記は5700Kの仕様であり, 4,200K, 2,800Kは、ホームページを参照してください



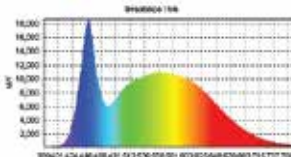
Test Information

- Product Type : OBB-i15W
- Manufacturer : ICEPIPE
- Temperature : (28 ± 2)
- Test Lab : Korea Institute of Lighting Technology
- Measurement Date : 2014-01-20

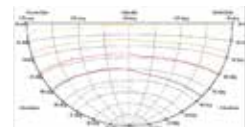
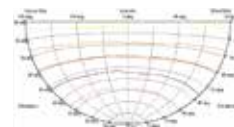
Result Luminous Flux

1. Optical Property
 - Total Lumen : 1,440lm
 - Luminous Efficacy : 96lm/W
 - CCT : 5,700K
 - Cx : 0.3212
 - Cy : 0.3318
2. Electric Property
 - Total Power : 15W
 - Input Voltage : 220V
 - Hertz : 50~60Hz
3. CRI

Ra : 87.81	R5 : 87.54	R10 : 77.29
R1 : 87.32	R6 : 84.95	R11 : 86.95
R2 : 90.00	R7 : 91.50	R12 : 68.06
R3 : 91.20	R8 : 80.95	R13 : 88.52
R4 : 88.08	R9 : 45.11	R14 : 94.53



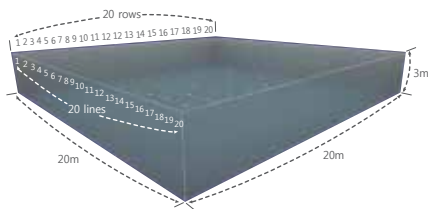
IsoCandela(Type C)



4 ~ 1212	6045 ~ 7253
1212 ~ 2420	7253 ~ 8461
2420 ~ 3628	8461 ~ 9669
3628 ~ 4836	9669 ~ 10878
4836 ~ 6045	10878 ~ 12086

Simulation Example

1. Model(型号名称, 모델명, 모델): OBB-i15W-5700K
2. Area(照射面积, 조사면적, 照射面積) : 400m²(20m×20m)
3. Installation Height(安装高度, 설치높이, 設置高さ) : 3m
4. Lamp Quantity(灯具数量, 등수량, 照明数量) : 100(10x10)
5. Average Floor Illuminance : 254lux
 (Maintenance factor : 80%,
 Interior Reflection Factor : 70% - Floor, Ceiling, Wall)
 平均照度: 254lux(光维持率: 80%, 反射率: 70% - 地面, 天花板, 墙壁)
 바닥평균조도: 254lux(유지보수율: 80%, 실내반사율: 70% - 바닥, 천장, 벽)
 床平均照度: 254lux(保守率: 80%, 反射率: 70% - 床, 天井, 壁)



Required Lamp Q'ty (Area 400m² (20m×20m))

所需灯具数量(照射面积), 등의 필요수량(조사면적), 照明の必要な数量(面積)(400m² (20m×20m))

Classification 区分, 구분, 区分	Average Floor Illuminance 地面 平均照度 바닥평균조도 床平均照度	Number of Lamps by Height 根据高度的所需数量, 높이에 따른 필요수량, 高さによる必要な数量		
		3m	4m	5m
Low Lumen 较低亮度的 낮은밝기 低い明るさ	100lux	39EA	43EA	46EA
Normal Lumen 普通亮度的 보통밝기 普通明るさ	300lux	118EA	129EA	139EA
High Lume 较高亮度的 밝은밝기 高い明るさ	500lux	197EA	215EA	230EA

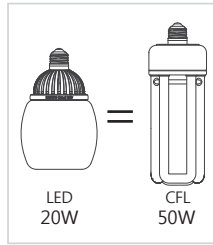
※ Specifications are subject to change without prior notice. Please refer to our website for the newest specifications. (www.icepipeLED.com)
 以上内容的参数可能会根据制造商的设计变更有所不同。最新参数请参考制造商网站。(www.icepipeLED.com)
 위 내용의 스펙과 사양은 제조사의 설계변경에 따라 예고없이 변경될 수 있습니다. 최신사양은 홈페이지를 참조 하십시오. (www.icepipeLED.com)
 上記の内容と仕様はメーカーの設計変更により予告なく変更されることがあります。最新情報はホームページを参照してください。(www.icepipeLED.com)

Omni LED Bulb

Bulb, Downlight

OBB-i20W **IDEA+**

Replacement for CFL 50W, 可代替CFL 50W, CFL 50W 대체, CFL 50W 相当



Specifications

1. Input Voltage : AC100~240V(AC90~264V), 50/60Hz
2. Installation : E26/27
3. Wattage : 20W
4. Total Lumen : 1,920lm
5. Luminous Efficacy : 96lm/W
6. Pupil Lumen : 3,648Plm
7. CCT : 5,700K
8. CRI : 85Ra
9. Beam Angle : 270°

IDEA+

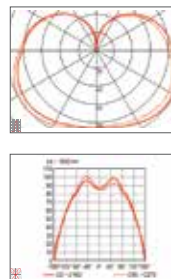
10. interference Min. THD : 10%
11. Dimming : Compatible
12. Energy Saving PFC : 93%
13. Airtight : Compatible

Weight and Dimensions

1. Weight : 190g
2. Dimensions : Φ110mm × 174.8mm(H)

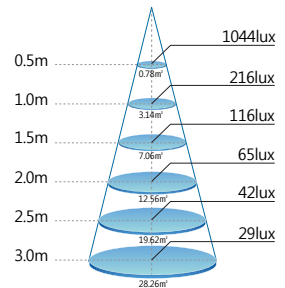
Light Distribution Curve

配光曲线, 배광곡선, 配光曲線

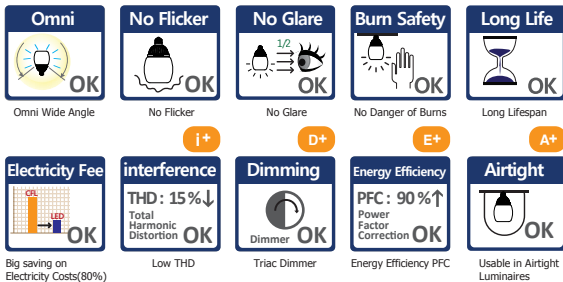


Illumination Intensity

照度示意图, 직하조도표, 直下照度



* Below specifications are at 5,700K CCT, for 4,200K or 2,800K CCT, please refer to our website
 下面是5,700K参数, 4,200K, 2,800K请参阅网页
 아래 스펙은 5,700K 기준. 4,200K, 2,800K는 홈페이지를 참조 하십시오
 下記は5700Kの仕様であり、4,200K、2,800Kは、ホームページを参照してください



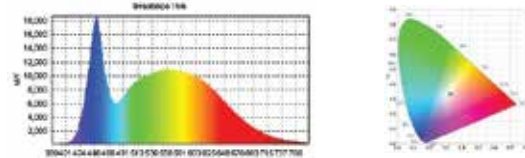
Test Information

- Product Type : OBB-i20W
- Manufacturer : ICEPIPE
- Temperature : (28 ± 2)
- Test Lab : Korea Institute of Lighting Technology
- Measurement Date : 2014-01-20

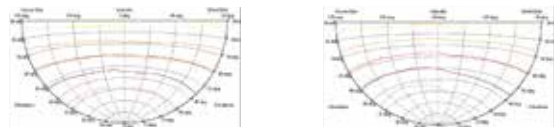
Result Luminous Flux

1. Optical Property
 - Total Lumen : 1,920lm
 - Luminous Efficacy : 96lm/W
 - CCT : 5,700K
 - Cx : 0.3212
 - Cy : 0.3318
2. Electric Property
 - Total Power : 20W
 - Input Voltage : 220V
 - Hertz : 50~60Hz
3. CRI

Ra : 88.31	R5 : 88.11	R10 : 77.38
R1 : 88.12	R6 : 85.93	R11 : 87.88
R2 : 91.18	R7 : 91.70	R12 : 68.02
R3 : 91.20	R8 : 81.57	R13 : 88.54
R4 : 88.73	R9 : 44.81	R14 : 95.50



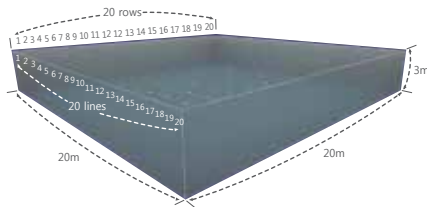
IsoCandela(Type C)



4 ~ 1212	6045 ~ 7253
1212 ~ 2420	7253 ~ 8461
2420 ~ 3628	8461 ~ 9669
3628 ~ 4836	9669 ~ 10878
4836 ~ 6045	10878 ~ 12086

Simulation Example

1. Model(型号名称, 모델명, モデル) : OBB-i20W-5700K
2. Area(照射面积, 조사면적, 照射面積) : 400m²(20m×20m)
3. Installation Height(安装高度, 설치높이, 設置高さ) : 3m
4. Lamp Quantity(灯具数量, 등수량, 照明数量) : 100(10x10)
5. Average Floor Illuminance : 341lux
 (Maintenance factor : 80%,
 Interior Reflection Factor : 70% - Floor, Ceiling, Wall)
 平均照度 : 341lux(光维持率 : 80%, 反射率 : 70% - 地面, 天花板, 墙壁)
 바닥평균조도 : 341lux(유지보수율 : 80%, 실내반사율 : 70% - 바닥, 천장, 벽)
 床平均照度 : 341lux(保守率 : 80%, 反射率 : 70% - 床, 天井, 壁)



Required Lamp Q'ty (Area 400m² (20m×20m))

所需灯具数量(照射面积, 등의 필요수량(조사면적), 照明の必要な数量(面積)(400m² (20m×20m))

Classification 区分, 구분, 区分	Average Floor Illuminance 地面 平均照度 바닥평균조도 床平均照度	Number of Lamps by Height 根据高度的所需数量, 높이에 따른 필요수량, 高さによる必要な数量		
		3m	4m	5m
Low Lumen 较低亮度的 낮은밝기 低い明るさ	100lux	30EA	32EA	35EA
Normal Lumen 普通亮度的 보통밝기 普通明るさ	300lux	88EA	96EA	104EA
High Lume 较高亮度的 밝은밝기 高い明るさ	500lux	148EA	161EA	174EA

* Specifications are subject to change without prior notice. Please refer to our website for the newest specifications. (www.icepipeLED.com)
 以上内容の参数可能会根据制造商的设计变更有所不同。最新参数请参考制造商网站。(www.icepipeLED.com)
 위 내용의 스펙과 사양은 제조사의 설계변경에 따라 예고없이 변경될 수 있습니다. 최신사양은 홈페이지를 참조 하십시오. (www.icepipeLED.com)
 上記の内容と仕様はメーカーの設計変更により予告なく変更されることがあります。最新情報はホームページを参照してください。(www.icepipeLED.com)

Omni LED Bulb

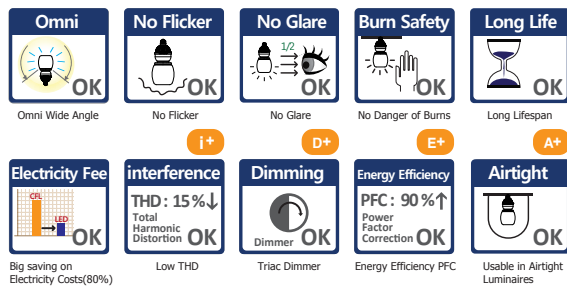
Bulb, Downlight

OBB-i25W **IDEA+**

Replacement for CFL 63W, 可代替CFL 63W, CFL 63W 대체, CFL 63W 相当



* Below specifications are at 5,700K CCT, for 4,200K or 2,800K CCT, please refer to our website
 下面是5,700K参数, 4,200K, 2,800K请参阅网页
 아래 스펙은 5,700K 기준. 4,200K, 2,800K는 홈페이지를 참조 하십시오
 下記は5700Kの仕様であり、4,200K、2,800Kは、ホームページを参照してください



Specifications

1. Input Voltage : AC100~240V(AC90~264V), 50/60Hz
2. Installation : E26/27
3. Wattage : 25W
4. Total Lumen : 2,350lm
5. Luminous Efficacy : 94lm/W
6. Pupil Lumen : 4,465Plm
7. CCT : 5,700K
8. CRI : 85Ra
9. Beam Angle : 270°

IDEA+

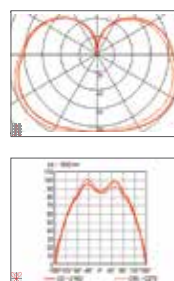
10. **i**nterference Min. THD : 10%
11. **D**imming : Compatible
12. **E**nergy Saving PFC : 93%
13. **A**irtight : Compatible

Weight and Dimensions

1. Weight : 260g
2. Dimensions : Φ110mm × 224.7mm(H)

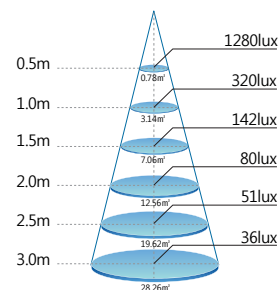
Light Distribution Curve

配光曲线, 배광곡선, 配光曲線



Illumination Intensity

照度示意图, 직하조도표, 直下照度



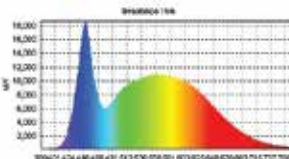
Test Information

- Product Type : OBB-i25W
- Manufacturer : ICEPIPE
- Temperature : (28 ± 2)
- Test Lab : Korea Institute of Lighting Technology
- Measurement Date : 2014-01-20

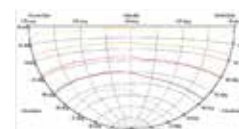
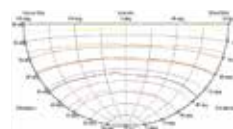
Result Luminous Flux

1. Optical Property
 - Total Lumen : 2,350lm
 - Luminous Efficacy : 94lm/W
 - CCT : 5,700K
 - Cx : 0.3196
 - Cy : 0.3280
2. Electric Property
 - Total Power : 25W
 - Input Voltage : 220V
 - Hertz : 50~60Hz

3. CRI		
Ra : 88.53	R5 : 86.99	R10 : 77.11
R1 : 87.85	R6 : 84.90	R11 : 86.45
R2 : 90.63	R7 : 90.43	R12 : 68.01
R3 : 90.91	R8 : 80.74	R13 : 88.82
R4 : 87.83	R9 : 44.80	R14 : 95.63



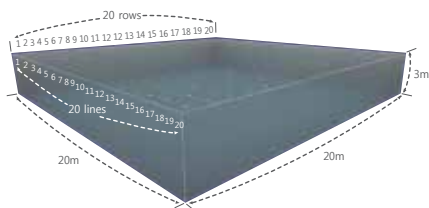
IsoCandela(Type C)



4 ~ 1212	6045 ~ 7253
1212 ~ 2420	7253 ~ 8461
2420 ~ 3628	8461 ~ 9669
3628 ~ 4836	9669 ~ 10878
4836 ~ 6045	10878 ~ 12086

Simulation Example

1. Model(型号名称, 모델명, モデル) : OBB-i25W-5700K
2. Area(照射面积, 조사면적, 照射面積) : 400m²(20m×20m)
3. Installation Height(安装高度, 설치높이, 設置高さ) : 3m
4. Lamp Quantity(灯具数量, 등수량, 照明数量) : 100(10x10)
5. Average Floor Illuminance : 417lux
 (Maintenance factor : 80%,
 Interior Reflection Factor : 70% - Floor, Ceiling, Wall)
 平均照度: 417lux(光维持率: 80%, 反射率: 70% - 地面, 天花板, 墙壁)
 바닥평균조도: 417lux(유지보수율: 80%, 실내반사율: 70% - 바닥, 천장, 벽)
 床平均照度: 417lux(保守率: 80%, 反射率: 70% - 床, 天井, 壁)



Required Lamp Q'ty (Area 400m² (20m×20m))

所需灯具数量(照射面积), 등의 필요수량(조사면적), 照明の必要数量(面積)(400m² (20m×20m))

Classification 区分, 구분, 区分	Average Floor Illuminance 地面 平均照度 바닥평균조도 床平均照度	Number of Lamps by Height 根据高度的所需数量, 높이에 따른 필요수량, 高さによる必要数量		
		3m	4m	5m
Low Lumen 较低亮度的 낮은밝기 低い明るさ	100lux	24EA	26EA	27EA
Normal Lumen 普通亮度的 보통밝기 普通明るさ	300lux	72EA	79EA	81EA
High Lume 较高亮度的 밝은밝기 高い明るさ	500lux	120EA	131EA	134EA

※ Specifications are subject to change without prior notice. Please refer to our website for the newest specifications. (www.icepipeLED.com)
 以上内容的参数可能会根据制造商的设计变更有所不同, 最新参数请参考制造商网站. (www.icepipeLED.com)
 위 내용의 스펙과 사양은 제조사의 설계변경에 따라 예고없이 변경될 수 있습니다. 최신사양은 홈페이지를 참조 하십시오. (www.icepipeLED.com)
 上記の内容と仕様はメーカーの設計変更により予告なく変更されることがあります. 最新情報ホームページを参照してください. (www.icepipeLED.com)

Omni LED Bulb

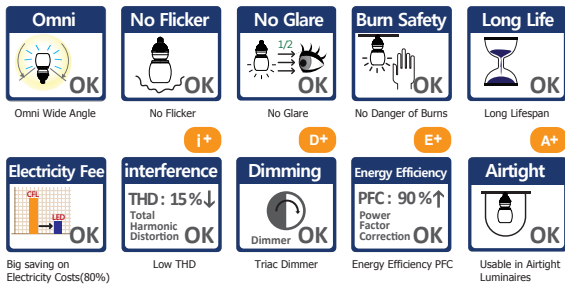
Bulb, Downlight

OBB-i 30W **iDEA+**

Replacement for CFL 75W, 可代替CFL 75W, CFL 75W 대체, CFL 75W 相当

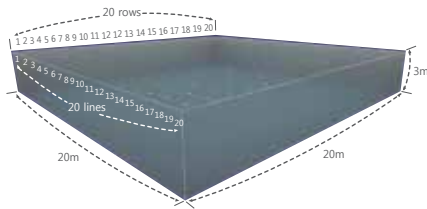


* Below specifications are at 5,700K CCT, for 4,200K or 2,800K CCT, please refer to our website
 下面是5,700K参数, 4,200K, 2,800K请参阅网页
 아래 스펙은 5,700K 기준. 4,200K, 2,800K는 홈페이지를 참조 하십시오
 下記は5700Kの仕様であり、4,200K、2,800Kは、ホームページを参照してください



Simulation Example

- Model(型号名称, 모델명, モデル) : OBB-i30W-5700K
- Area(照射面积, 조사면적, 照射面積) : 400m²(20m×20m)
- Installation Height(安装高度, 설치높이, 設置高さ) : 3m
- Lamp Quantity(灯具数量, 등수량, 照明数量) : 100(10x10)
- Average Floor Illuminance : 500lux
 (Maintenance factor : 80%,
 Interior Reflection Factor : 70% - Floor, Ceiling, Wall)
 平均照度: 500lux(光维持率: 80%, 反射率: 70% - 地面, 天花板, 墙壁)
 바닥평균조도: 500lux(유지보수율: 80%, 실내반사율: 70% - 바닥, 천장, 벽)
 床平均照度: 500lux(保守率: 80%, 反射率: 70% - 床, 天井, 壁)



Required Lamp Q'ty (Area 400m² (20m×20m))

所需灯具数量(照射面积, 등의 필요수량(조사면적), 照明の必要数量(面積)(400m² (20m×20m))

Classification 区分, 구분, 区分	Average Floor Illuminance 地面 平均照度 바닥평균조도 床平均照度	Number of Lamps by Height 根据高度的所需数量, 높이에 따른 필요수량, 高さによる必要数量		
		3m	4m	5m
Low Lumen 较低亮度的 낮은밝기 低い明るさ	100lux	20EA	22EA	24EA
Normal Lumen 普通亮度的 보통밝기 普通明るさ	300lux	60EA	65EA	70EA
High Lume 较高亮度的 밝은밝기 高い明るさ	500lux	100EA	110EA	118EA

Specifications

- Input Voltage : AC100~240V(AC90~264V), 50/60Hz
- Installation : E26/27
- Wattage : 30W
- Total Lumen : 2,820lm
- Luminous Efficacy : 94lm/W
- Pupil Lumen : 5,358Plm
- CCT : 5,700K
- CRI : 85Ra
- Beam Angle : 270°

iDEA+

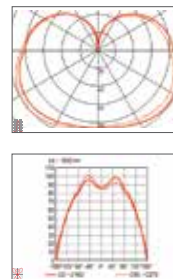
- Interference Min. THD : 10%
- Dimming : Compatible
- Energy Saving PFC : 93%
- Airtight : Compatible

Weight and Dimensions

- Weight : 260g
- Dimensions : Φ110mm × 224.7mm(H)

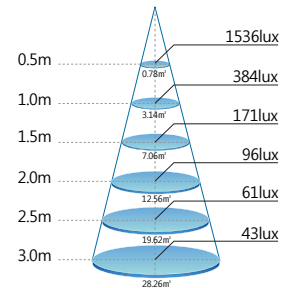
Light Distribution Curve

配光曲线, 배광곡선, 配光曲線



Illumination Intensity

照度示意图, 직하조도표, 直下照度



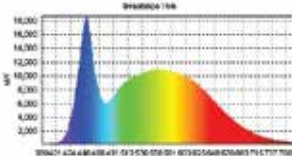
Test Information

- Product Type : OBB-i30W
- Manufacturer : ICEPIPE
- Temperature : (28 ± 2)
- Test Lab : Korea Institute of Lighting Technology
- Measurement Date : 2014-01-20

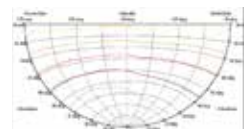
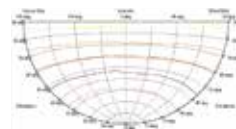
Result Luminous Flux

- Optical Property
 Total Lumen : 2,820lm
 Luminous Efficacy : 94lm/W
 CCT : 5,700K
 Cx : 0.3196
 Cy : 0.3280
- Electric Property
 Total Power : 30W
 Input Voltage : 220V
 Hertz : 50~60Hz

3. CRI		
Ra : 88.10	R5 : 88.31	R10 : 80.19
R1 : 88.14	R6 : 86.79	R11 : 87.72
R2 : 91.70	R7 : 90.14	R12 : 67.04
R3 : 91.80	R8 : 81.25	R13 : 91.00
R4 : 88.30	R9 : 47.08	R14 : 85.77



IsoCandela(Type C)



4 ~ 1212	6045 ~ 7253
1212 ~ 2420	7253 ~ 8461
2420 ~ 3628	8461 ~ 9669
3628 ~ 4836	9669 ~ 10878
4836 ~ 6045	10878 ~ 12086

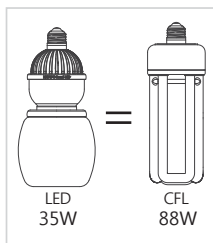
※ Specifications are subject to change without prior notice. Please refer to our website for the newest specifications. (www.icepipeLED.com)
 以上内容的参数可能会根据制造商的设计变更有所不同。最新参数请参考制造商网站。(www.icepipeLED.com)
 위 내용의 스펙과 사양은 제조사의 설계변경에 따라 예고없이 변경될 수 있습니다. 최신사양은 홈페이지를 참조 하십시오. (www.icepipeLED.com)
 上記の内容と仕様はメーカーの設計変更により予告なく変更されることがあります。最新情報はホームページを参照してください。(www.icepipeLED.com)

Omni LED Bulb

Bulb, Downlight

OBB-i35W **IDEA+**

Replacement for CFL 88W, 可代替CFL 88W, CFL 88W 대체, CFL 88W 相当



Specifications

1. Input Voltage : AC100~240V(AC90~264V), 50/60Hz
2. Installation : E26/27
3. Wattage : 35W
4. Total Lumen : 3,290lm
5. Luminous Efficacy : 94lm/W
6. Pupil Lumen : 6,251Plm
7. CCT : 5,700K
8. CRI : 85Ra
9. Beam Angle : 270°

IDEA+

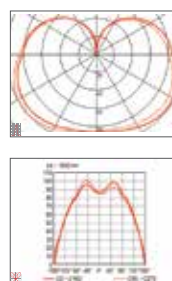
10. **i**nterference Min. THD : 10%
11. **D**imming : Compatible
12. **E**nergy Saving PFC : 93%
13. **A**irtight : Compatible

Weight and Dimensions

1. Weight : 260g
2. Dimensions : Φ110mm × 224.7mm(H)

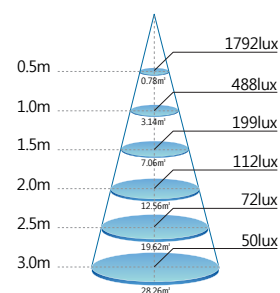
Light Distribution Curve

配光曲线, 배광곡선, 配光曲線

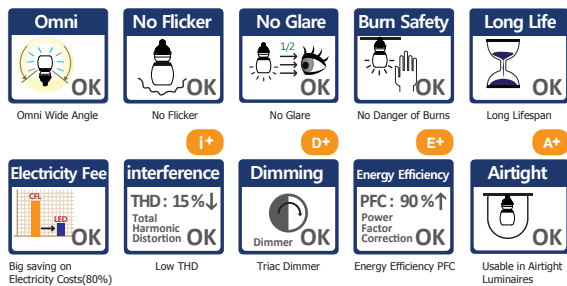


Illumination Intensity

照度示意图, 직하조도표, 直下照度



* Below specifications are at 5,700K CCT, for 4,200K or 2,800K CCT, please refer to our website
 下面是5,700K参数, 4,200K, 2,800K请参阅网页
 아래 스펙은 5,700K 기준. 4,200K, 2,800K는 홈페이지를 참조 하십시오
 下記は5700Kの仕様であり, 4,200K, 2,800Kは、ホームページを参照してください



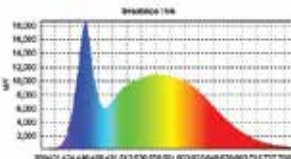
Test Information

- Product Type : OBB-i35W
- Manufacturer : ICEPIPE
- Temperature : (28 ± 2)
- Test Lab : Korea Institute of Lighting Technology
- Measurement Date : 2014-01-20

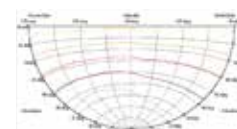
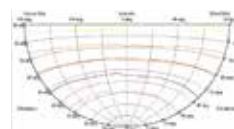
Result Luminous Flux

1. Optical Property
 - Total Lumen : 3,290lm
 - Luminous Efficacy : 94lm/W
 - CCT : 5,700K
 - Cx : 0.3196
 - Cy : 0.3280
2. Electric Property
 - Total Power : 35W
 - Input Voltage : 220V
 - Hertz : 50~60Hz
3. CRI

Ra : 88.20	R5 : 88.06	R10 : 80.77
R1 : 87.13	R6 : 87.44	R11 : 87.46
R2 : 91.09	R7 : 91.18	R12 : 66.95
R3 : 91.78	R8 : 81.84	R13 : 90.17
R4 : 87.15	R9 : 46.09	R14 : 96.05



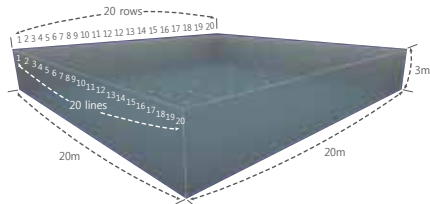
IsoCandela(Type C)



4 ~ 1212	6045 ~ 7253
1212 ~ 2420	7253 ~ 8461
2420 ~ 3628	8461 ~ 9669
3628 ~ 4836	9669 ~ 10878
4836 ~ 6045	10878 ~ 12086

Simulation Example

1. Model(型号名称, 모델명, モデル) : OBB-i35W-5700K
2. Area(照射面积, 조사면적, 照射面積) : 400m²(20m×20m)
3. Installation Height(安装高度, 설치높이, 設置高さ) : 3m
4. Lamp Quantity(灯具数量, 등수량, 照明数量) : 100(10x10)
5. Average Floor Illuminance : 581lux
 (Maintenance factor : 80%,
 Interior Reflection Factor : 70% - Floor, Ceiling, Wall)
 平均照度 : 581lux(光维持率 : 80%, 反射率 : 70% - 地面, 天花板, 墙壁)
 바닥평균조도 : 581lux(유지보수율 : 80%, 실내반사율 : 70% - 바닥, 천장, 벽)
 床平均照度 : 581lux(保守率 : 80%, 反射率 : 70% - 床, 天井, 壁)



Required Lamp Q'ty (Area 400m² (20m×20m))

所需灯具数量(照射面积), 등의 필요수량(조사면적), 照明の必要な数量(面積)(400m² (20m×20m))

Classification 区分, 구분, 区分	Average Floor Illuminance 地面 平均照度 바닥평균조도 床平均照度	Number of Lamps by Height 根据高度的所需数量, 높이에 따른 필요수량, 高さによる必要な数量		
		3m	4m	5m
Low Lumen 较低亮度的 낮은밝기 低い明るさ	100lux	17EA	19EA	20EA
Normal Lumen 普通亮度的 보통밝기 普通明るさ	300lux	51EA	56EA	61EA
High Lume 较高亮度的 밝은밝기 高い明るさ	500lux	86EA	94EA	101EA

※ Specifications are subject to change without prior notice. Please refer to our website for the newest specifications. (www.icepipeLED.com)
 以上内容的参数可能会根据制造商的设计变更有所不同。最新参数请参考制造商网站。(www.icepipeLED.com)
 위 내용의 스펙과 사양은 제조사의 설계변경에 따라 예고없이 변경될 수 있습니다. 최신사양은 홈페이지를 참조 하십시오.(www.icepipeLED.com)
 上記の内容と仕様はメーカーの設計変更により予告なく変更されることがあります。最新情報はホームページを参照してください。(www.icepipeLED.com)