

Product Specification

LED Grille Light

LBE9481A

LBE9482A

LBE9483A

LBE9484A

LBE9485A



Product Image



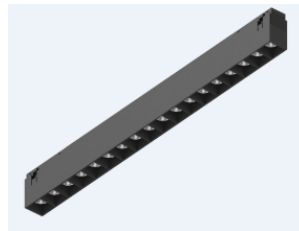
LBE9481A



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LBE9483A



LBE9484A



LBE9485A

NOTES:

1. This specification is for our regular product specifications.
2. The right of final interpretation of this specification is reserved by International Building Supply Corporation.

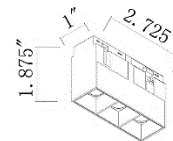
1. Description

- ◆ LED Grille Lights
- ◆ Application: perfect for interior settings in commercial and residential usage (e.g., office, retail stores, restaurant, home, schools, etc.)

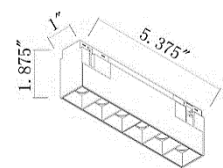
2. Characteristics

- ◆ Multiple certification: ETL/CE/RoHS
- ◆ Waterproof rating of IP20
- ◆ Smart light control with Bluetooth device
- ◆ 48V electrical system
- ◆ On/Off only
- ◆ Max 240W, 20 meters (78 inches) in length in one circuit
- ◆ Dimming is available for LBE9483A (0-10V)
- ◆ Clean and minimalist design with variety of color options
- ◆ Adjustable design for different beam angles
- ◆ High power factor: > 0.95
- ◆ Environmental-friendly & Energy-saving
- ◆ 5-years warranty

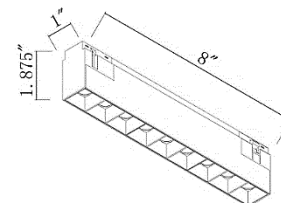
Dimensions



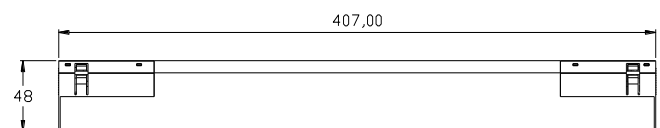
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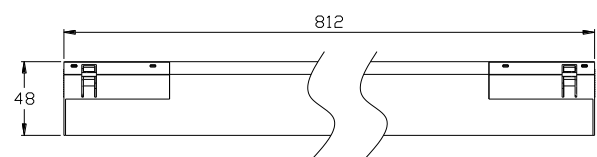
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3. Application



4. Technical Parameters

Code	LBE9481A	LBE9482A	LBE9483A	LBE9484A	LBE9485A
Power(W)	4.3W	7.6W	10W	20W	40W
Input Current	DC48 350MA			DC48 20W	DC48 33W
Lumen Output	333-352lm	666-704lm	999-1026lm	1998-2052lm	3996-4104lm
CCT(K)	2700K/3000K/4000K/5000K				
Dimming	/		0-10V		
Bluetooth Control	/		✓		
Lamp Holder Model	Aluminum PCB				
Light Source Brand/Code	CREE XPE-2				
Beam Angle	10° 12° 24° 36°				
Wire Connection Method	Track Adaptor				
Housing Color	FB03		PW02, PB02, FS01		
Material	Aluminum				
Waterproof Rating	IP20				
Class	□I □II ■III				
Certification	ETL/CE/RoHS				
Warranty	5 Years				
Product Size (mm)	69*24.5*48	137*24.5*48	205*24.5*48	407*24.5*48	812*24.5*48

5. Photometric Data

LBE9481A

Color Temperature 3000K, Beam Angle 10°, 4.3W

Luminaire Property

Luminaire Category: LED RECESSED LIGHT
Luminaire Manufacturer: IBS
Lamp Description: XPE-2
Lumens per Lamp: 119
Luminous Width (mm): 22
Voltage: 48.0 V
Power: 3.36 W

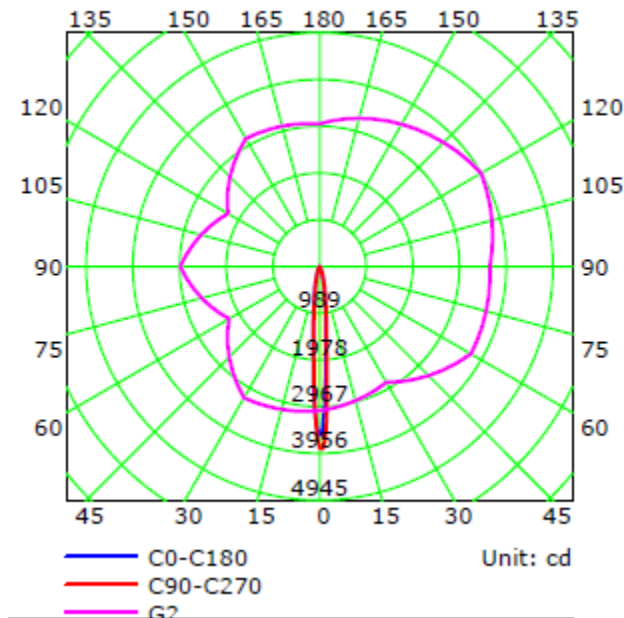
Luminaire Description: LBE-9481A
Lamp Catalog: LED
Number of Lamps: 3
Luminous Length (mm): 66
Luminous Height (mm): 20
Current: 0.07 A
Power Factor: 1.000

Photometric Results

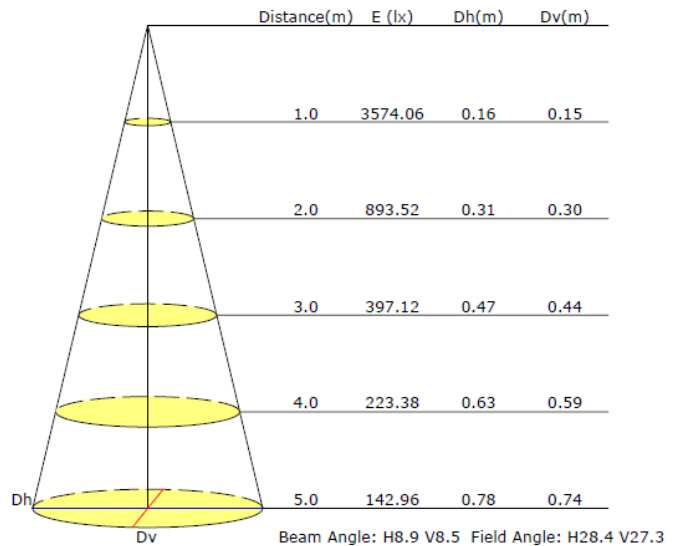
CIE Class: Direct
Measurement Flux: 276.3 lm
Downward Ratio: 77.38%
Luminaire Efficacy Rating (LER): 82
Max. Intensity: 3955.8 cd

Total Rated Lamp Lumens: 357.0 lm
Efficiency: 77.38%
Upward Ratio: 0.00%
Central Intensity: 3574.06 cd
Pos of Max. Intensity: H120 V2

Luminous Intensity Distribution Curve



Illuminance at a Distance



LBE9482A

Color Temperature 3000K, Beam Angle 10°, 7.6W

Luminaire Property

Luminaire Category: LED RECESSED LIGHT
Luminaire Manufacturer: IBS
Lamp Description: XPE-2
Lumens per Lamp: 113
Luminous Width (mm): 22
Voltage: 48.0 V
Power: 6.72 W

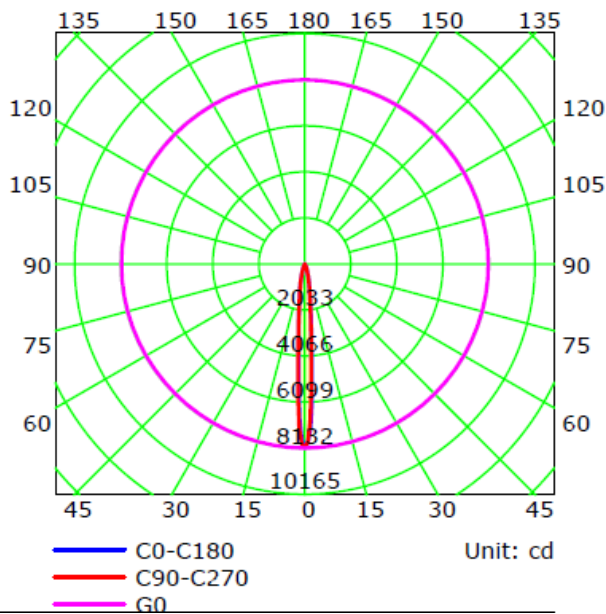
Luminaire Description: LBE-9482A
Lamp Catalog: LED
Number of Lamps: 6
Luminous Length (mm): 134
Luminous Height (mm): 20
Current: 0.14 A
Power Factor: 1.000

Photometric Results

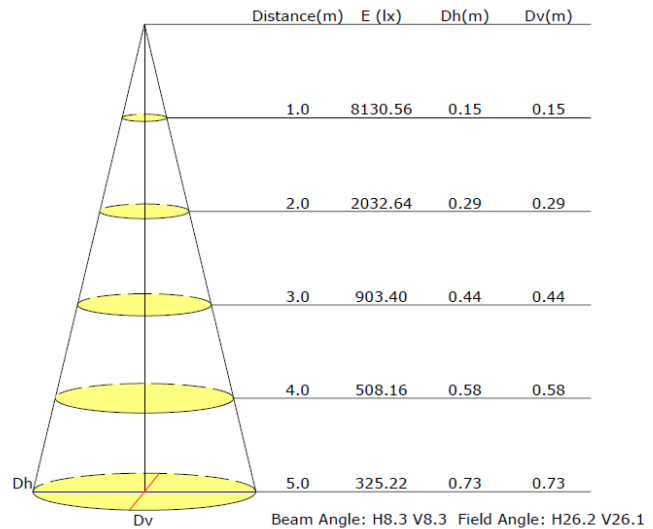
CIE Class: Direct
Measurement Flux: 517.2 lm
Downward Ratio: 76.28%
Luminaire Efficacy Rating (LER): 77
Max. Intensity: 8130.57 cd

Total Rated Lamp Lumens: 678.0 lm
Efficiency: 76.28%
Upward Ratio: 0.00%
Central Intensity: 8130.56 cd
Pos of Max. Intensity: H0 V0

Luminous Intensity Distribution Curve



Illuminance at a Distance



LBE9483A

Color Temperature 3000K, Beam Angle 10°, 10W

Luminaire Property

Luminaire Category: LED RECESSED LIGHT
Luminaire Manufacturer: IBS
Lamp Description: XPE-2
Lumens per Lamp: 116
Luminous Width (mm): 22
Voltage: 48.0 V
Power: 9.60 W

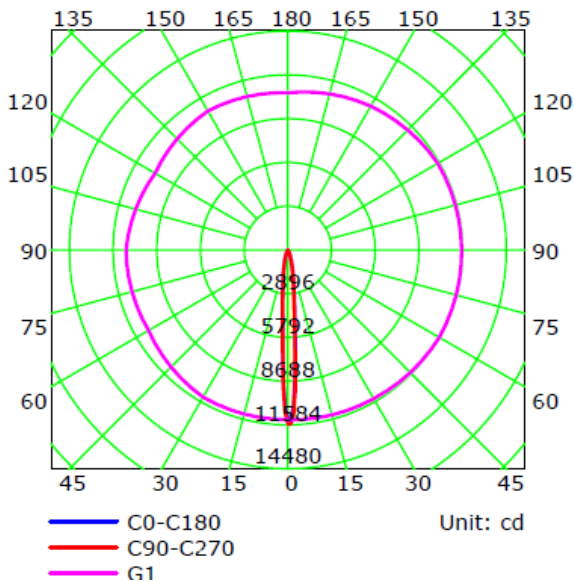
Luminaire Description: LBE-9483A
Lamp Catalog: LED
Number of Lamps: 9
Luminous Length (mm): 203
Luminous Height (mm): 20
Current: 0.200 A
Power Factor: 1.000

Photometric Results

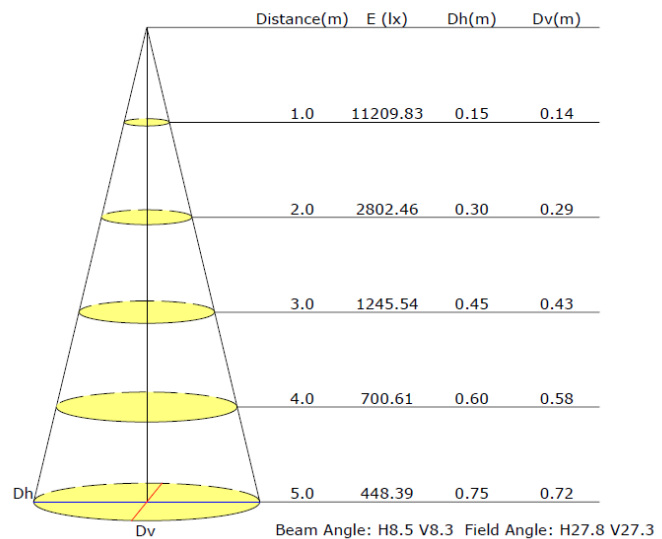
CIE Class: Direct
Measurement Flux: 804.8 lm
Downward Ratio: 77.09%
Luminaire Efficacy Rating (LER): 84
Max. Intensity: 11584.99 cd

Total Rated Lamp Lumens: 1044.0 lm
Efficiency: 77.09%
Upward Ratio: 0.00%
Central Intensity: 11209.83 cd
Pos of Max. Intensity: H60 V1

Luminous Intensity Distribution Curve



Illuminance at a Distance



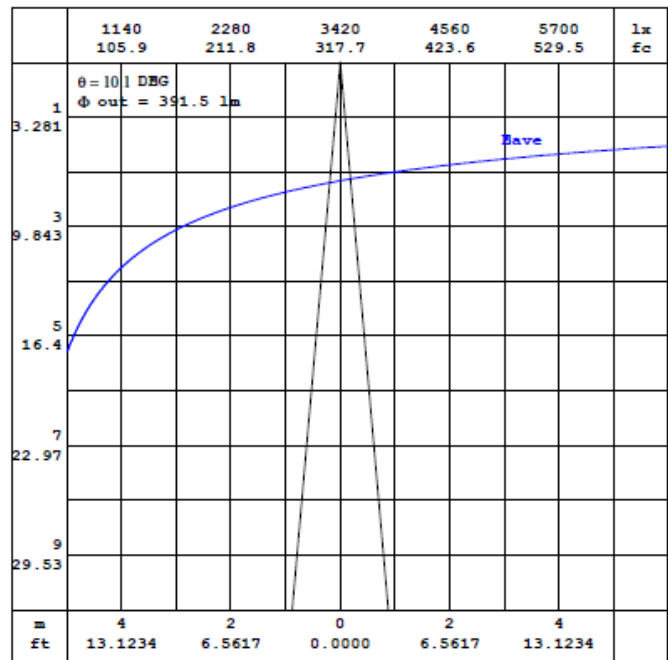
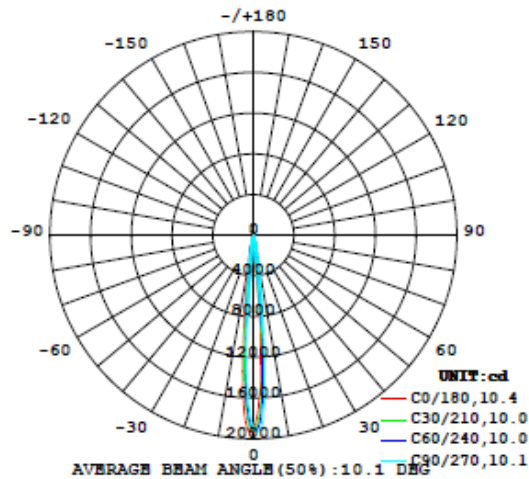
Product Specification

LBE9484A

Color Temperature 3000K, Beam Angle 10°, 20W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.33 lm/W
MODEL	XPE-2	I _{max} (cd)	19407	S/MH (C0/180)	0.21	
NOMINAL POWER (W)	17	LOR (%)	71.5	S/MH (C90/270)	0.15	
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	1322.0	η UP, DN (C0-180)	0.0, 38.2	
NOMINAL FLUX (lm)	1850	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 33.2	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	48	η down (%)	71.5	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



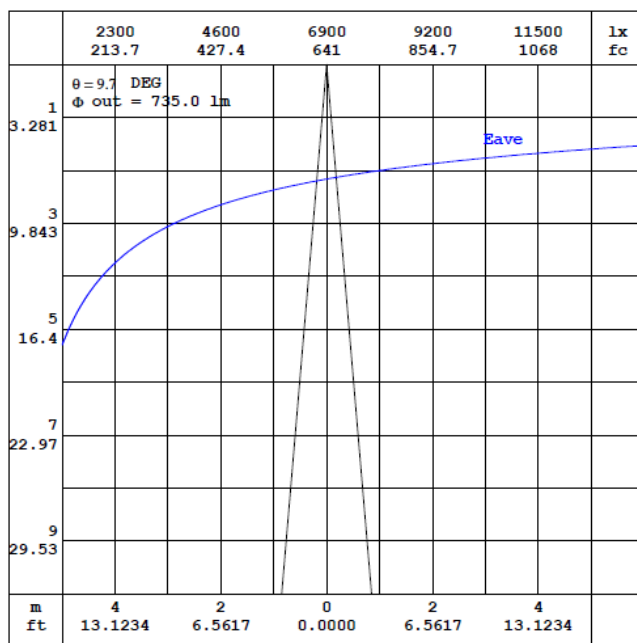
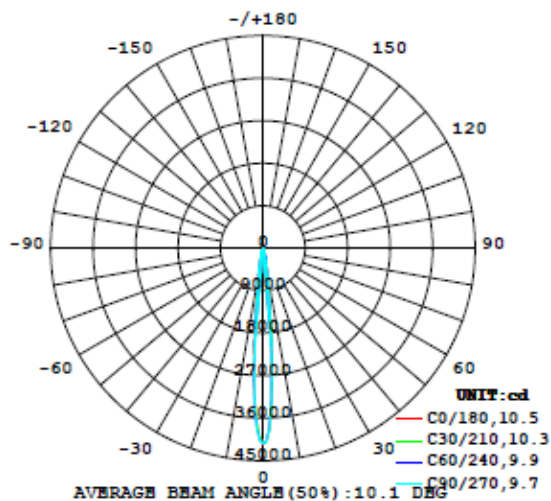
Product Specification

LBE9485A

Color Temperature 3000K, Beam Angle 10°, 10W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.11 lm/W
MODEL	XPE-2	I _{max} (cd)	41478	S/MH (C0/180)	0.19	
NOMINAL POWER (W)	35	LOR (%)	72.0	S/MH (C90/270)	0.17	
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	2672.8	η UP, DN (C0-180)	0.0, 36.0	
NOMINAL FLUX (lm)	3710	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 36.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	48	η down (%)	72.0	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.