Product Specification

LED Pendant Ball Light

LPE9401C

LPE9636B

LPE9431B

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.

Product Image

LPE9636B

LPE9431B

LPE9401C

1. Description

♦ LED Pendant Ball Lights

♦ Application: perfect for interior settings in commercial and residential usage (e.g., office, retail store, restaurant, home, schools, etc.)

2. Characteristics

♦ Multiple certification: ETL/CE/ROHS

♦ Waterproof rating of IP20

♦ Smart light control with Bluetooth device

♦ 48V electrical system

♦ Dimming is available (0-10V)

♦ Clean and minimalist design with Aluminum

♦ Multiple color options to suit the environment for the best result

♦ High power factor: > 0.95

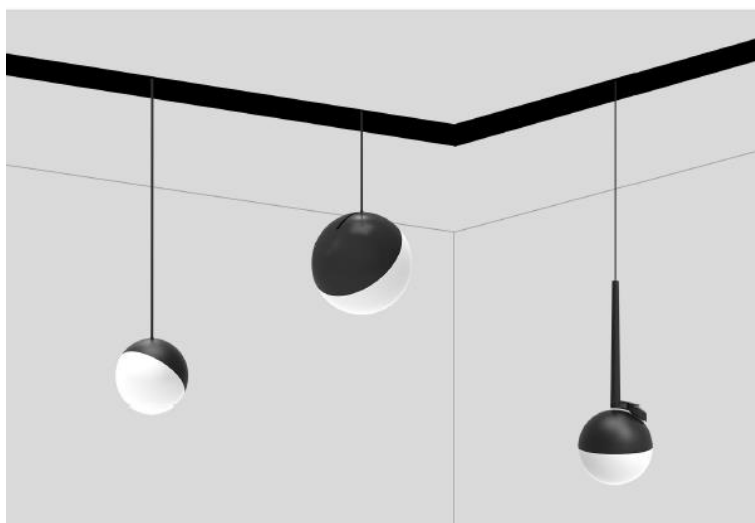♦ Environmental-friendly & Energy-saving

♦ 5-years warranty

Dimensions

75.5

75.5

75.5

273

LPE9401C

⌀ 100

LPE9636B

⌀ 100

LPE9431B

⌀ 180
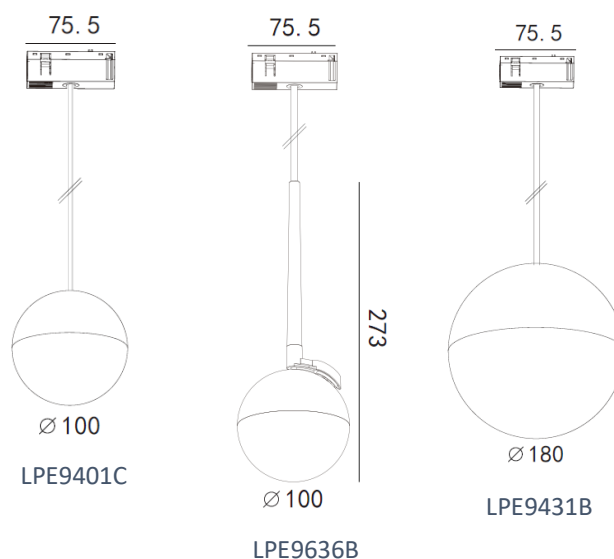
3. Application

| LPE9401C | LPE9431B | LPE9636B |

4. Technical Parameters

Code	LPE9401C	LPE9636B	LPE9431B
Power(W)	7W	13W	28W
Input Current	DC48V		
Lumen Output	671-725lm	1446-1665lm	3132-3482lm
CCT(K)	2700K/3000K/4000K/5000K		
Dimming	0-10V		
Bluetooth Control	✓		
Lamp Holder Model	Ceramic PCB		Aluminum PCB
Light Source Brand/Code	CREE CXA1304	CREE CXA1512	CREE3030
Beam Angle	/		
Wire Connection Method	Track Adaptor		
Housing Color	SDL	PW02, PB02, FW01 FB03	PB02
Material	Aluminum		
Waterproof Rating	IP20		
Class	∎I □II □III		
Certification	ETL/CE/ROHS		
Warranty	5 Years		

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5. Photometric Data

LPE9401C

Color Temperature 3000K, 7W

Luminaire Property

Luminaire Category: LED PENDANT LAMP	Luminaire Description: LPE-9401C
Luminaire Manufacturer: IBS	Lamp Catalog: LED
Lamp Description: CXA1304_3000K	Number of Lamps: 1
Lumens per Lamp: 536	Luminous Length (mm):
Luminous Width (mm):	Luminous Height (mm):
Voltage: 48 V	Current: 0.162 A
Power: 8.00 W	Power Factor: 1.000

Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 536.0 lm
Measurement Flux: 220.1 lm	Efficiency: 41.06%
Downward Ratio: 41.06%	Upward Ratio: 0.00%
Luminaire Efficacy Rating (LER): 28	Central Intensity: 51.9 cd
Max. Intensity: 52.12 cd	Pos of Max. Intensity: H180 V1

Luminous Intensity Distribution Curve

C0-C180
C90-C270
G1

Unit: cd

Illuminance at a Distance

Distance(m)	E (lx)	Dh(m)	Dv(m)
1.0	51.90	9.11	9.02
2.0	12.98	18.22	18.04
3.0	5.77	27.33	27.07
4.0	3.24	36.44	36.09
5.0	2.08	45.55	45.11

Beam Angle: H155.2 V155.0   Field Angle: H180.0 V180.0
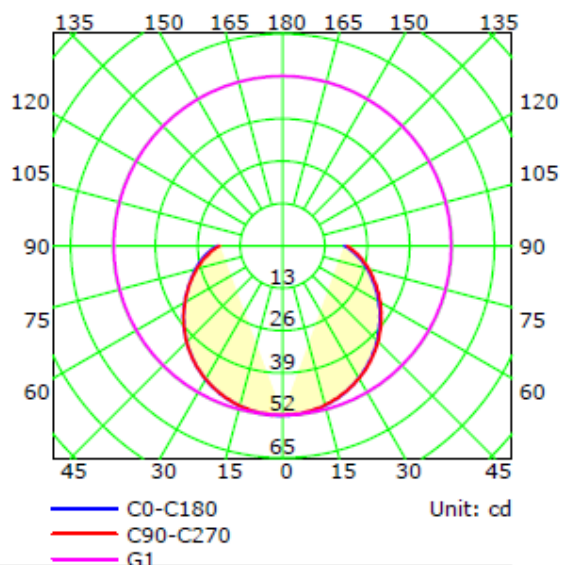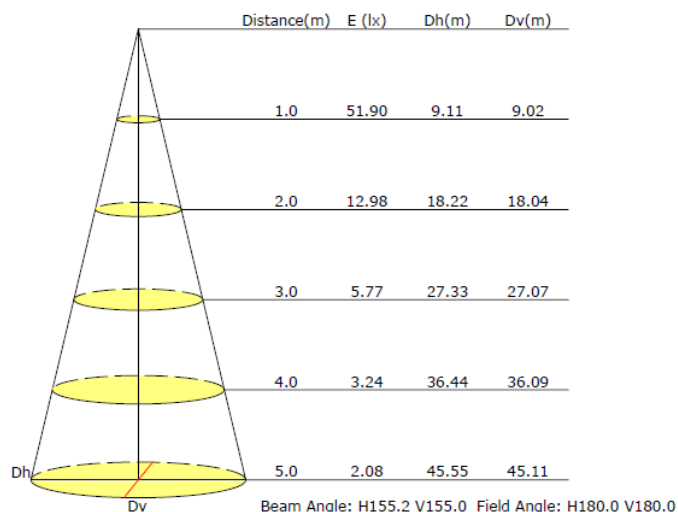
LPE9636B

Color Temperature 3000K, 13W

Luminaire Property

Luminaire Category: LED TRACK LIGHT	Luminaire Description: LPE-9636B
Luminaire Manufacturer: IBS	Lamp Catalog: LED
Lamp Description: CXA1512-18V	Number of Lamps: 1
Lumens per Lamp: 1561	Luminous Length (mm):
Luminous Width (mm):	Luminous Height (mm):
Voltage: 19.5 V	Current: 0.700 A
Power: 13.60 W	Power Factor: 1.000

Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1561.0 lm
Measurement Flux: 1143 lm	Efficiency: 73.22%
Downward Ratio: 73.22%	Upward Ratio: 0.00%
Luminaire Efficacy Rating (LER): 84	Central Intensity: 291.94 cd
Max. Intensity: 292.12 cd	Pos of Max. Intensity: H180 V2

Luminous Intensity Distribution Curve

C0-C180
C90-C270
G2

Unit: cd

Illuminance at a Distance

Distance(m)	E (lx)	Dh(m)	Dv(m)
1.0	291.94	5.53	5.50
2.0	72.99	11.06	11.00
3.0	32.44	16.58	16.50
4.0	18.25	22.11	22.00
5.0	11.68	27.64	27.51

Beam Angle: H140.2 V140.0   Field Angle: H180.0 V180.0
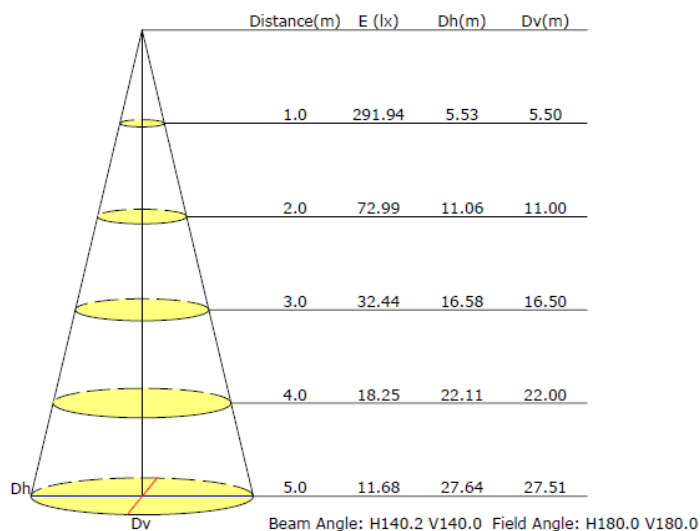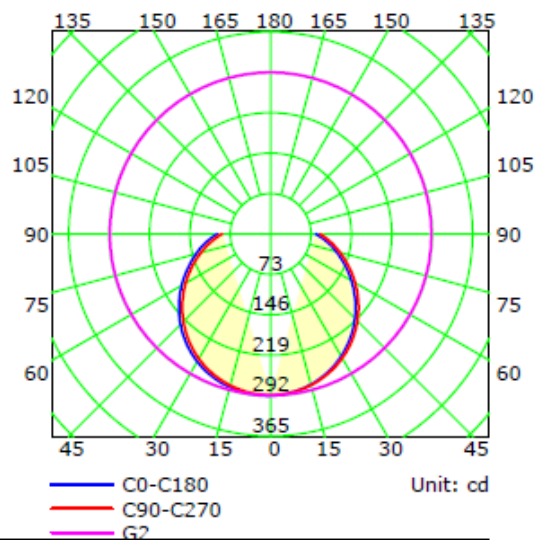
LPE9431B

Color Temperature 3000K, 28W

Luminaire Property

Luminaire Category: LED PENDANT LAMP	Luminaire Description: LPE-9431B
Luminaire Manufacturer: IBS	Lamp Catalog: LED
Lamp Description: CREE 3030	Number of Lamps: 30
Lumens per Lamp: 115	Luminous Length (mm): -175
Luminous Width (mm): -175	Luminous Height (mm): 114
Voltage: 48.0 V	Current: 0.578 A
Power: 27.74 W	Power Factor: 0.486

Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 3450.0 lm
Measurement Flux: 2181.5 lm	Efficiency: 63.23%
Downward Ratio: 63.23%	Upward Ratio: 0.00%
Luminaire Efficacy Rating (LER): 79	Central Intensity: 821.47 cd
Max. Intensity: 823.97 cd	Pos of Max. Intensity: H180 V4

Luminous Intensity Distribution Curve

C0-C180
C90-C270
G4

Unit: cd

Illuminance at a Distance

Distance(m)	E (lx)	Dh(m)	Dv(m)
1.0	821.47	2.36	2.45
2.0	205.37	4.73	4.89
3.0	91.27	7.09	7.34
4.0	51.34	9.45	9.79
5.0	32.86	11.81	12.23

Beam Angle: H99.5 V101.5 Field Angle: H172.2 V172.5
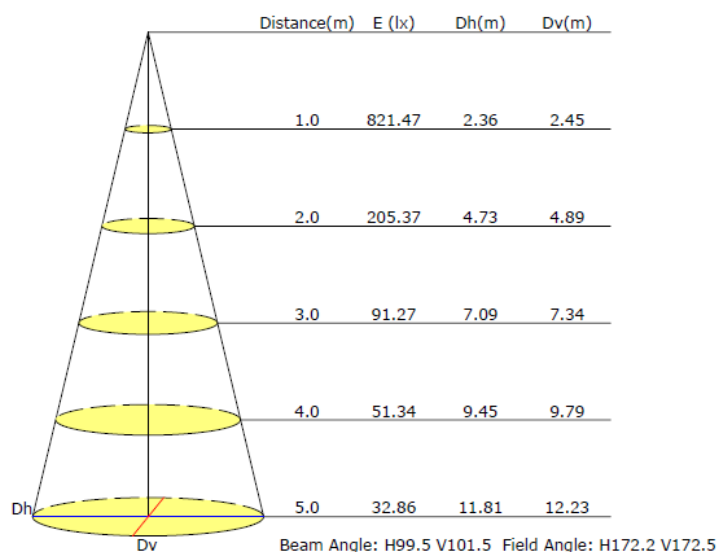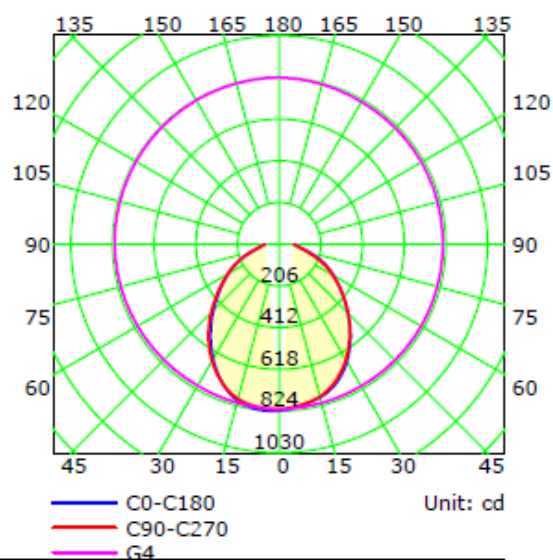
6. Packaging

	LPE9401C	LPE9636B	LPE9431B
Product Size(mm)	Φ100	Φ100*273	Φ180
Box Size(mm)	105*105*125	270*110*110	185*185*200