

Type	Job. Ref.
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# 12BLSD

12" LED Square Recessed Downlight

**3500 - 10000 Lumens**

## PRODUCT SPECIFICATION DATA

### MECHANICAL

Precision formed 16 ga. aluminum housing  
Accommodates up to 1 1/2" ceiling thickness  
One piece aluminum lens frame with neoprene gasket overlaps to trim out ceiling  
Bar hangar or flange mount (Bar hangers allow for 27" span)  
Sustainable - electrical components accessible through aperture

### ELECTRICAL

Serviceable and ungradable light engine.  
Power supply is overload and short circuit protected  
Enclosed wiring compartment inside fixture  
-35 to -65 lumens standard with 0-10V dim to 10%  
-80 and -100 lumens standard with 0-10V dim to off

### PERFORMANCE

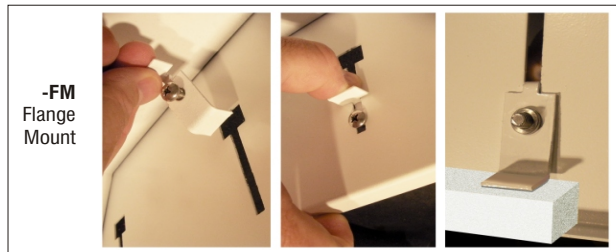
CCT: 3000K; 3500K; 4000K @ 80+ CRI  
70% lumen maintenance at 50,000 hours based on IESNA LM-80-2008.

### TESTS

ETL tested and listed to ANSI/UL1598  
Suitable for damp location  
For wet location select -WL option



5 Year limited warranty.

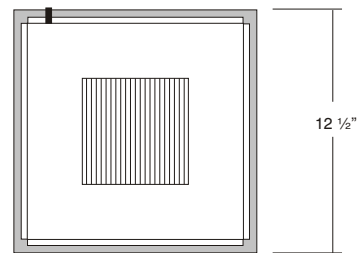
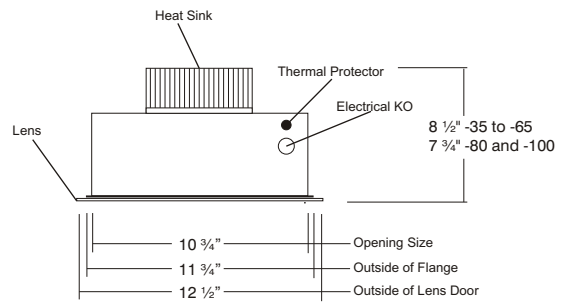


Dimensions and specifications in this literature are subject to change.



**0-10v Dimming Standard**

**LED**



	DELIVERED LUMENS @ 35K	COLOR TEMP.	CRI	LENS OPTIONS	POWDER COAT LENS HOLDER FINISH	MOUNTING	OPTIONS	VOLTAGE
<b>12BLSD</b>								
<b>12" LED Square Recessed Downlight</b>	-100 9779 lumens -80 7823 lumens -65 6426 lumens -50 4435 lumens -35 3332 lumens	-30K 3000 K -35K 3500 K -40K 4000 K	-80 -90	-PG Prismatic Temp. Glass -WA White Acrylic -PA Prismatic Acrylic -RA #2423 Red Acrylic Darkroom Filter	-LHW Matte White -LHB Matte Black -LHN Natural -LHW-AMF Antimicrobial White	-BH Bar Hangers -FMK Flange Mount	-F Fusing -DMLV1 0-10v Dim to 1%* -DMT1 Triac Dim to 1%* -WL Wet Location -EML1 Emergency* -EML4 Emergency** -GTD Generator Transfer Device	-120 -277  <b>Voltage MUST be Specified</b>
							* -35 through -65 lumens ONLY ** -80 & -100 lumens ONLY Emergency Options Use Remote Mount Test Switch	



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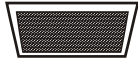
**12BLSD**



# 12BLSD

## 12" LED Square Recessed Downlight

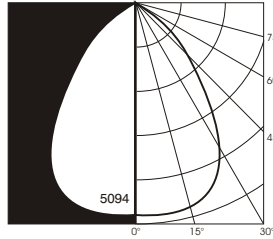
### 12BLSD-100-35K-WH-PG



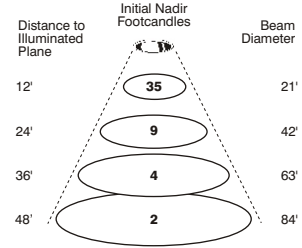
Test No: CRT1708281233-001  
 Source: Chip on Board  
 Color Temp: 3500K  
 Total Fixture Lumens: 9779  
 S/MH: 1.08

Input Current  
 Voltage: Watts: Amps:  
 120 97 0.81  
 277 97 0.35

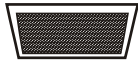
**CANDLEPOWER  
DISTRIBUTION CURVE**



**CONE OF LIGHT**



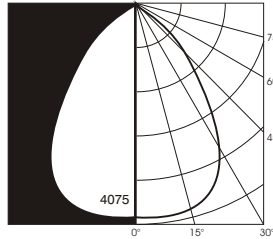
### 12BLSD-80-35K-WH-PG



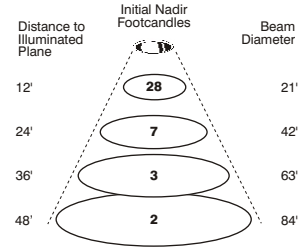
Test No: CRT1708281233-001 (calc)  
 Source: Chip on Board  
 Color Temp: 3500K  
 Total Fixture Lumens: 7822  
 S/MH: 1.12

Input Current  
 Voltage: Watts: Amps:  
 120 97 0.81  
 277 97 0.35

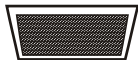
**CANDLEPOWER  
DISTRIBUTION CURVE**



**CONE OF LIGHT**



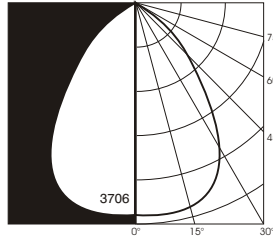
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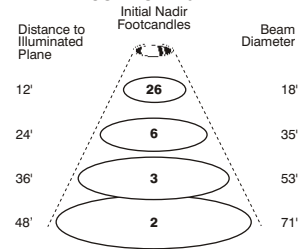
Test No: 101390658CHI-007 (calc)  
 Source: Chip on Board  
 Color Temp: 3500K  
 Total Fixture Lumens: 6337  
 S/MH: 1.08

Input Current  
 Voltage: Watts: Amps:  
 120 88 0.74  
 277 88 0.32

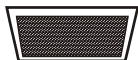
**CANDLEPOWER  
DISTRIBUTION CURVE**



**CONE OF LIGHT**



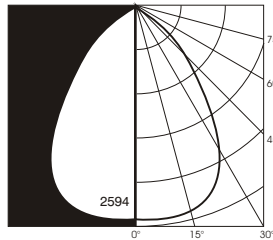
### 12BLSD-50-35K-WH-PG



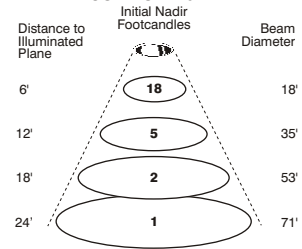
Test No: 101390658CHI-007 (calc)  
 Source: Chip on Board  
 Color Temp: 3500K  
 Total Fixture Lumens: 4435  
 S/MH: 1.12

Input Current  
 Voltage: Watts: Amps:  
 120 88 0.74  
 277 88 0.32

**CANDLEPOWER  
DISTRIBUTION CURVE**



**CONE OF LIGHT**



This Peachtree LED product is baseline tested at 3500K and 80+ CRI. When a warmer or cooler color temperature or 90+ CRI is specified, the light output values will vary. Use the following charts to adjust the values for your application.

CCT LUMEN CONVERSION		CRI CONVERSION
3000K	4000K	90+
.98	1.04	.88

