

LBSD-RD

DISK SURFACE MOUNT ROUND DOWNLIGHT

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

LITEBOX[®] disk tradeSELECT[®]



FEATURES

- 4" and 6" disk downlight delivering 700 or 1000 lumens
- Switchable CCT – 2700K/3000K/3500K/4000K
- 90 CRI
- Universal Voltage (120-277V)
- Phase Dimmable to 5% (120V Triac/ELV)
- Surface mount directly to standard J-Box (by others)
- Optional accessory for retrofit into incandescent recessed cans



SERVICE PROGRAMS



SPECIFICATIONS

CONSTRUCTION

- Durable aluminum low profile trim
- Suitable for New Construction or Remodel, IC or Non-IC applications
- Can be directly mounted to most standard J-Boxes, ideal for areas with limited plenum space
- Optional accessory kits available to retrofit into 4", 5" or 6" recessed downlight housings

OPTICS

- Reliable back-Lit LED technology
- Durable, polycarbonate twist-on lens
- Light distribution is uniform and visually comfortable

ELECTRICAL

- LED array with 3 SDCM color consistency
- Long LED life: Maintains 70% of lumen output at 54,000 hours of operation, L70 at >54,000 hours (TM-21)
- Switchable CCT (2700K/3000K/3500K/4000K)

ELECTRICAL (CONTINUED)

- 90+ CRI with R9 >50
- High efficiency integral driver with universal 120V-277V, 50/60Hz
- All models have flicker-free dimming with 120V Triac or ELV phase cut to 5%
- See Additional Information section for a list of recommended dimmers
- EMI: Meets Class A (<24dba) noise rating, FCC CFR 47 Part 15 Class B
- ≥0.9 Power Factor, <20% THD

INSTALLATION

- Installs directly to most common 3-1/2" or 4" octagonal and round junction boxes with a minimum 1-1/2" depth including fire rated (by others)
- Mount with screws through pan keyholes
- Twist-lock lens is easily secured with no visible hardware
- CCT can be selected at installation with integral switch on the driver

CERTIFICATIONS

- cETLus listed to UL1598
- Can be used in direct contact with insulation (IC Rated)
- Suitable for wet locations, covered ceiling
- Suitable for use in clothes closets when installed in accordance to N.E.C. 410.16
- Meets CA Title 24 High Efficacy (JA8-2019) requirements

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	671-957
Wattage Range	8.2-11.5
Efficacy Range (LPW)	82-87
Reported Life (Hours)	L70 / >54,000
Input Current (mA)	68-96

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ORDERING GUIDE

Example: LBSD-4RD-CS9-WH

CATALOG #

HOUSING

LBSD		CS9	WH
Model/CCT Configuration	Aperture/Shape/Function	CCT/CRI	Trim Color
LBSD Disk Surface Mount, Switchable CCT, 120-277V with Phase Dimming (120V Triac/ELV) to 5% ¹	4RD 4" Round, Direct J-Box Mount, 700 Lumens 6RD 6" Round, Direct J-Box Mount, 1000 Lumens	CS9 Switchable CCT, 90 CRI 2700K/3000K/3500K/4000K	WH White

Accessories

Notes:

1 Phase (Triac/ELV) dimming when connected to 120V circuit only.

- LBSD-4-MTGKIT** Accessory Kit, to retrofit LBSD-4RD into existing 4" recessed housings
- LBSD-6-MTGKIT** Accessory kit, to retrofit LBSD-6RD into existing 5" or 6" recessed housings

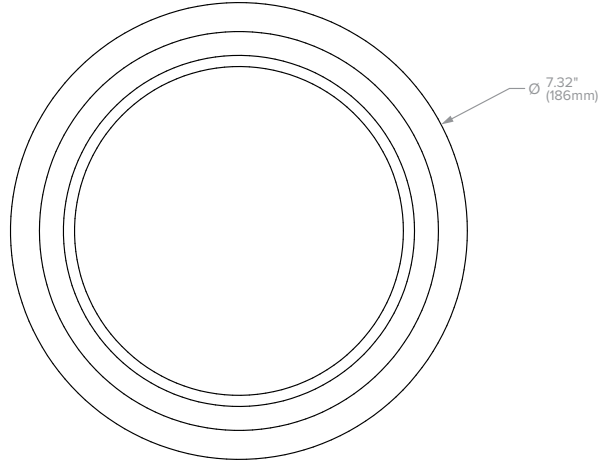
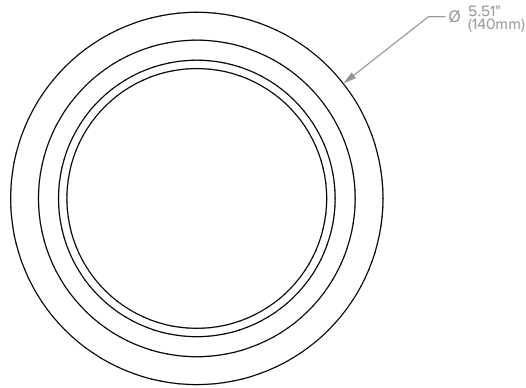
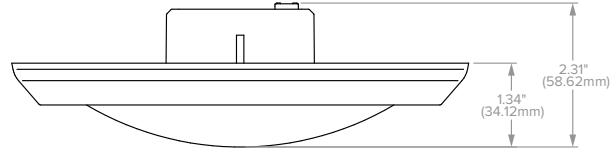
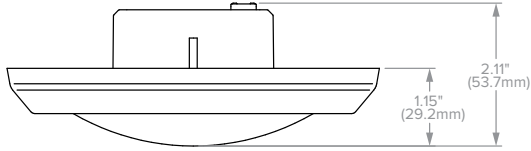
PERFORMANCE SUMMARY

Nominal Aperture	Nominal Lumens	Cat #	@ CCT	CRI	Delivered Lumens	Watts	LPW
4"	700	LBSD-4RD-CS9-WH	2700K	90	671	8.2	82
4"	700		3000K	90	693	8.2	85
4"	700		3500K	90	705	8.2	86
4"	700		4000K	90	712	8.2	87
6"	1000	LBSD-6RD-CS9-WH	2700K	90	938	11.5	82
6"	1000		3000K	90	952	11.5	83
6"	1000		3500K	90	959	11.5	83
6"	1000		4000K	90	957	11.5	83

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DIMENSIONS



4" LBSD-4RD

6" LBSD-6RD

PHOTOMETRY

LBSD-4RD-CS9-WH

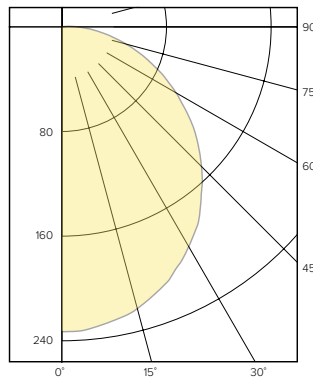
LUMINAIRE DATA

Test No.	21.01425-02
Description	4" Disk, Switchable CCT, @3000K, 90 CRI
Delivered Lumens	693
Watts	8.2
Efficacy	83
Mounting	Surface
Beam Angle (FWHM)	1.2

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	297	42.9
0-60	522	75.4
0-90	687	99.2
0-180	693	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	236
5	235
15	226
25	208
35	184
45	153
55	120
65	85
75	52
85	23
90	12

LUMINANCE DATA*

Vertical Angle	Average
45°	24732
55°	23097
65°	21228
75°	18996
85°	17279

*Candela/Square Meter

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DISK SURFACE MOUNT ROUND DOWNLIGHT

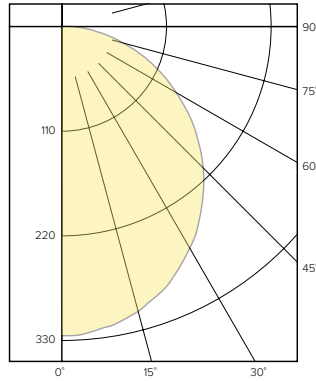
PHOTOMETRY (CONTD.)

LBSD-6RD-CS9-WH

LUMINAIRE DATA

Test No.	21.01427-04
Description	6" Disk, Switchable CCT, @3000K, 90 CRI
Delivered Lumens	952
Watts	11.5
Efficacy	83
Mounting	Surface
Beam Angle (FWHM)	1.2

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	332
5	330
15	316
25	291
35	256
45	214
55	167
65	117
75	68
85	27
90	11

LUMINANCE DATA*

Vertical Angle	Average
45°	17702
55°	16318
65°	14498
75°	12023
85°	8540

*Candela/Square Meter

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	415	43.6
0-60	715	76.6
0-90	929	99.6
0-180	952	100.0

ADDITIONAL INFORMATION

Dimming Compatibility

For more details and recommended dimmer list, see Dimming Compatibility Information on currentlighting.com/prescolite.

J-box Compatibility

LiteBox® Disk Surface Mount downlights are compatible with many standard 3-1/2" octagonal and round J-Boxes with 1-1/2" minimum depth. Fire rated J-Boxes may also be used.



Retrofit Accessories

For use in existing incandescent recessed housings with nominal dimensions per installation instructions provided with the accessory.