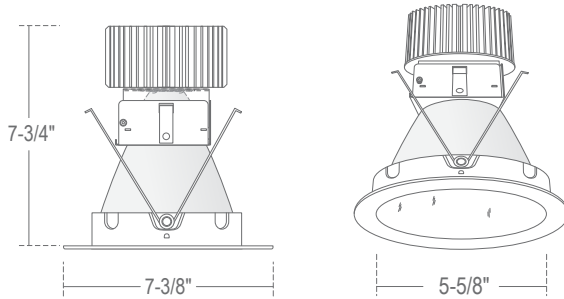


LRALD6 - 6" ARCHITECTURAL LED TRIM (1200LM/1600LM) 6" ARCHITECTURAL DOWNLIGHT (12W/1200/1600 DELIVERED LUMENS)



Max. Ceiling Thickness: 1-1/4"



SPECIFICATION

12W LED

Application: Architectural-grade recessed downlight reflector for medium to high ceilings in commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output.

"Reflector Construction: One piece, self-flanged dual-reflector LED design enables a clean trim finish, without the need for a secondary trim ring. Heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance. Held in place with two steel pressure v-springs for a tight fit and easy scratch-less removal. -B60 option includes Impact-Resistant Polycarbonate lens. "

Power Connection: LED lamp array is replaceable via on board quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Thermal Management: Effective thermal dissipation facilitated by integral cast-aluminum, heat sink design for maximum heat rejection to provide long LED life.

Thermal Temperature: Heat dissipation facilitated by exposed integral aluminum heat sink to maximize heat rejection in an open air environment. Recommended ambient temperature is below 35 degree celsius to achieve minimum L70 life of 50,000 hours according to LM80 standard.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Labels: ETL/cETL listed to UL1598 and UL8750. Suitable for damp and wet locations. NYC approved: Calendar #41937.

CRI: 80 CRI standard, 90 CRI option in 2700K only.

Finish: One piece low-iridescent spun aluminum reflector with seamless self-flanged ring Available in Satin Refl/Flange (1200Lm), White Refl/Flange (1600Lm), Satin Refl/Wht Flange (1600Lm), Satin Refl/Flange (1600Lm), Satin Refl/Wht Flange (1200Lm) and White Refl/Flange (1200Lm).

COMPATIBILITY



LHALD612
6" ARCHITECTURAL
LED FRAME-KIT
(1200LM/1600LM)



LHALD6R12
6" ARCHITECTURAL
REMODEL LED FRAME-
KIT (1200LM/1600LM)

Note: Wattage limitations on compatible items must be met.

Beam Spread: Available in Flood, Spot, Narrow Flood and Wide Flood. B60 option uses a 2 3/4" polycarbonate shatter-proof dome lens mounted at the top of the reflector. Diffused finish completely seals the light source from harsh ambient environments and eliminates sight of LED's Light Emitting Surface.

LED: Available in 3000K, 3000K, 90CRI, 3000K, 97CRI**, 1700K*, 2500K*, 2700K, 2700K,90+CRI, 2700K, 97CRI**, 3500K, 4000K and 6500K. LEDs binned to within 3-Step MacAdam Ellipses (SDCM) and surpasses the ANSI C78 377A standard for color deviation. Standard in 3000K, 80 CRI only

Assembled in USA

Benefit:

- Only consumes 12W!
- Super-efficient lumen package delivers over 100 Lumens per Watt (LPW).
- Uses less than 75W to deliver over 35 FC to a 16' x 12' room with a 9' ceiling.
- Achieves less than 0.4W/Sq. Ft (LPD)
- All standard dimming options including incandescent, 0-10V and ELV are available.

FEATURE:



ORDERING EXAMPLE : LRALD6SSF102-C90

LRALD6	FINISH	BEAM SPREAD	LED
LRALD6	SSF102 :Satin Refl/Flange (1200Lm)	Blank :Flood	Blank :3000K
	SSF160 :Satin Refl/Flange (1600Lm)	-B15 :Spot	-C90 :3000K, 90CRI
	SWF102 :Satin Refl/Wht Flange (1200Lm)	-B25 :Narrow Flood	-C97 :3000K, 97CRI**
	SWF160 :Satin Refl/Wht Flange (1600Lm)	-B60 :Wide Flood	-T17 :1700K*
	WWF102 :White Refl/Flange (1200Lm)		-T25 :2500K*
	WWF160 :White Refl/Flange (1600Lm)		-T27 :2700K
			-T27-C90 :2700K,90+CRI
			-T27-C97 :2700K, 97CRI**
			-T35 :3500K
			-T40 :4000K
			-T65 :6500K

* Extended Lead Time may apply. Consult Factory.

**Only available in 2700K and 3000K.



Tel: 323.904.0200

Product specifications subject to change without notice.

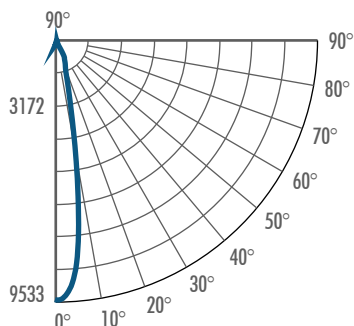
www.liton.com



LRALD6SSF102-B15-T40 - 12W/1200lm - SPOT - 4000K

System Power	:15.0W	Multipliers	
Test Date	:11/2016	6500K	1.30
Beam Angle 50%	:17.9°	3500K	0.99
Field Angle 10%	:39.7°	3000K	0.97
Color Temperature	:4021K	2700K	0.95
CRI	:84.8	2500K	0.45
R9 Value	:20.4	1700K	0.42
Lumens Delivered	:1643lm	CRI	
CBCP	:9536cd	80CRI (Blank)	:1.00
Power Factor	:0.92	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



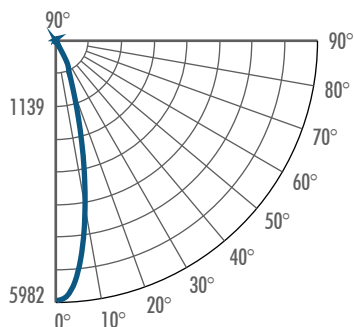
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	1.0'	885.7
6.6'	2.1'	221.4
9.8'	3.1'	98.4
13.1'	4.1'	55.4
16.4'	5.2'	35.4

LRALD6SSF102-B25-T40 - 12W/1200lm - NARROW FLOOD - 4000K

System Power	:15.0W	Multipliers	
Test Date	:11/2016	6500K	1.30
Beam Angle 50%	:25.1°	3500K	0.99
Field Angle 10%	:54.0°	3000K	0.97
Color Temperature	:3992K	2700K	0.95
CRI	:85.7	2500K	0.45
R9 Value	:23.9	1700K	0.42
Lumens Delivered	:1618lm	CRI	
CBCP	:6004cd	80CRI (Blank)	:1.00
Power Factor	:0.92	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



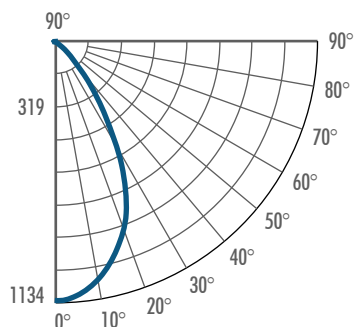
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	1.5'	555.8
6.6'	2.9'	138.9
9.8'	4.4'	61.8
13.1'	5.8'	34.7
16.4'	7.3'	22.2

LRALD6SSF102-B60-T40 - 12W/1200lm - WIDE FLOOD - 4000K

System Power	:15.1W	Multipliers	
Test Date	:11/2016	6500K	1.30
Beam Angle 50%	:60.7°	3500K	0.99
Field Angle 10%	:97.3°	3000K	0.97
Color Temperature	:3894K	2700K	0.95
CRI	:85.3	2500K	0.45
R9 Value	:22.0	1700K	0.42
Lumens Delivered	:1275lm	CRI	
CBCP	:1136cd	80CRI (Blank)	:1.00
Power Factor	:0.92	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	3.8'	105.4
6.6'	7.7'	26.3
9.8'	11.5'	11.7
13.1'	15.4'	6.6
16.4'	19.2'	4.2

RECOMMENDED SPACING

9 FEET

Layout	FC	Max/Min
8 x 8	17	4.63
6 x 6	32	9.12

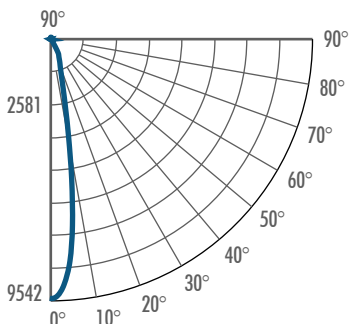
10 FEET

Layout	FC	Max/Min
10 x 10	32	1.92
8 x 8	18	4.85
6 x 6	13	15.02

LRALD6SWF160-B15-T40 - SPOT - 4000K

System Power	:13.4W	Multipliers	
Test Date	:2/2017	6500K	1.30
Beam Angle 50%	:17.8°	3500K	0.99
Field Angle 10%	:41.2°	3000K	0.97
Color Temperature	:4005K	2700K	0.95
CRI	:84.0	2500K	0.45
R9 Value	:21.8	1700K	0.42
Lumens Delivered	:1707Lm	CRI	
CBCP	:9556cd	80CRI (Blank)	:1.00
Power Factor	:0.99	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



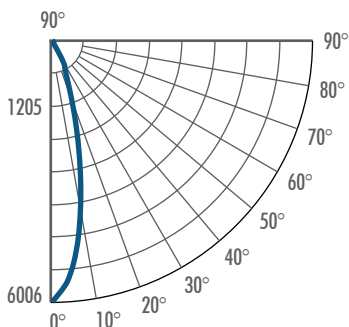
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	1.0'	886.4
6.6'	2.1'	221.6
9.8'	3.1'	98.5
13.1'	4.1'	55.4
16.4'	5.1'	35.5

LRALD6SWF160-B25-T40 - NARROW FLOOD - 4000K

System Power	:13.4W	Multipliers	
Test Date	:2/2017	6500K	1.30
Beam Angle 50%	:25.2°	3500K	0.99
Field Angle 10%	:55.0°	3000K	0.97
Color Temperature	:4014K	2700K	0.95
CRI	:84.7	2500K	0.45
R9 Value	:26.5	1700K	0.42
Lumens Delivered	:1680Lm	CRI	
CBCP	:6026cd	80CRI (Blank)	:1.00
Power Factor	:0.99	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



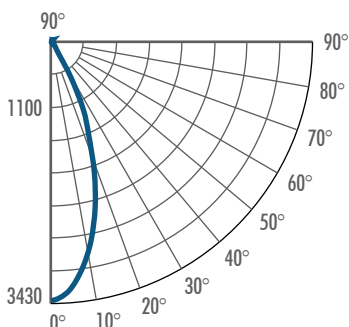
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	1.5'	558.0
6.6'	2.9'	139.5
9.8'	4.4'	60.2
13.1'	5.9'	34.9
16.4'	7.3'	22.3

LRALD6SWF160-T40 - FLOOD - 4000K

System Power	:13.4W	Multipliers	
Test Date	:2/2017	6500K	1.30
Beam Angle 50%	:37.6°	3500K	0.99
Field Angle 10%	:61.7°	3000K	0.97
Color Temperature	:4017K	2700K	0.95
CRI	:84.6	2500K	0.45
R9 Value	:26.1	1700K	0.42
Lumens Delivered	:1626Lm	CRI	
CBCP	:3443cd	80CRI (Blank)	:1.00
Power Factor	:0.99	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



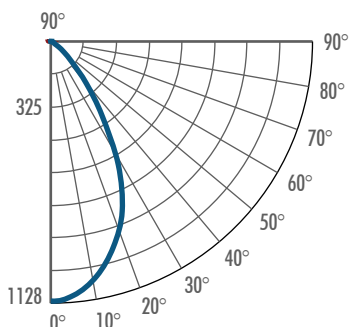
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	2.2'	318.7
6.6'	4.5'	79.7
9.8'	6.7'	35.4
13.1'	8.9'	19.9
16.4'	11.2'	12.7

LRALD6SWF160-B60-T40 - WIDE FLOOD - 4000K

System Power	:13.4W	Multipliers	
Test Date	:2/2017	6500K	1.30
Beam Angle 50%	:61.0°	3500K	0.99
Field Angle 10%	:98.0°	3000K	0.97
Color Temperature	:3937K	2700K	0.95
CRI	:84.3	2500K	0.45
R9 Value	:23.9	1700K	0.42
Lumens Delivered	:1302Lm	CRI	
CBCP	:1131cd	80CRI (Blank)	:1.00
Power Factor	:0.99	90CRI (-C90)	:0.71
		97CRI (-C97)	:0.73

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	3.9'	104.8
6.6'	7.7'	26.2
9.8'	11.6'	11.6
13.1'	15.5'	6.5
16.4'	19.3'	4.2