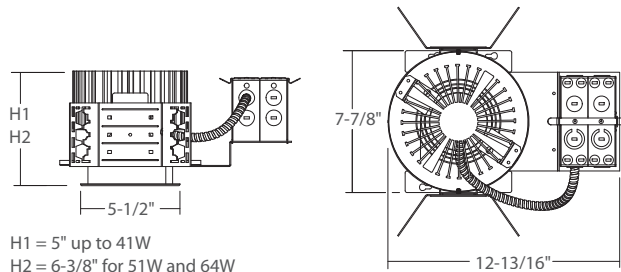


LHABLD4 - 4" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, ROUND, 1000LM - 7000LM



H1 = 5" up to 41W
 H2 = 6-3/8" for 51W and 64W
 Ceiling Cut-out: 4-3/4" Dia.



LHABLD4



- Illuminate up to 70' ceilings
- Four trim finishes
- Low glare design
- Highly efficient COB (Chip on Board) LED
- Multiple Wireless Control Options

ORDERING : LHABLD420C050UE-DUN-B45-TWD-FS/LRB41S

LHABLD4

Fixture Lumens Control Beam Spread Color Temperature Frame Options / Trim

Fixture	Lumens	Control	Beam Spread	Color Temperature	Frame Options	Trim	
Downlight	LHABLD4	Non-Dimming Remote Driver UniDim™ 0-10V, TRIAC/ELV Dimming (120V/277V) 0-10V Dimming (120V/277V) TRIAC/ELV Dimming (120V) eldoLED Dim to Dark 10% Wireless Enocean Adapter DMX Dimming with input via XLR5 (120V/277V) DMX Dimming with input via RJ45 (120V/277V) 1%, 0-10V Dimming (120V/277V) 5%, 0-10V Dimming (347V) Lutron Hi-Lume (120V/277V) 1%, 2-Wire Incandescent (120V) Athena Wireless Node (120V) UniSense - Remotely Mounted Motion/Photosensor (120V) UniSense - Remotely Mounted Motion/Photosensor (120V/277V) Casambi Wireless Dimming (120V/277V) BubbyNet Wireless Dimming (120V/277V) Lutron Vive Wireless Dimming Module (120V/277V)	Blank -RMT UE-DUN UE-D10 -DIN UE-D10PZ UE-DEN UE-DMXLR5 UE-DMXRJ45 UE-D10P1 -347-D10 UE-DHL DINP1 ² -AWN -SUN-RMT ^{6,8} -SUN-RMT-1227 ^{6,8} -DCSM ⁷ -DBNT ⁷ -VIVE ⁷	25° Narrow Flood -B25 45° Flood -B45 60° Wide Flood -B60 90° Very Wide Flood -B90	Color Temperature 2700K (90 CRI) -T27 2700K (97 CRI) -T27-C97 3000K (90 CRI) -T30 3000K (97 CRI) -T30-C97 3500K (90 CRI) -T35 4000K (90 CRI) -T40 Warm dimming -TWD ³ Tunable White -TTW ⁴ 2700K-6500K	None Generator Transfer Device -GTD Single Fuse -FS 10W Emergency Battery -EM Full Power -EMAC ⁵ Emergency Inverter Full Power -EMAC347 ⁵ Emergency Inverter (347V) C-Channel Hanger Bar Set C260 Adjustable C-Channel Hanger Bar Set C260-J	Blank -GTD -FS -EM -EMAC ⁵ -EMAC347 ⁵ C260 C260-J
						Trim (Open) All White LRB41W All Black LRB41B All Satin Haze LRB41S Satin Haze/White LRB41SW Clear/White LRB41CW Specular Clear LRB41C Trim (Frosted Lens) All White LRB42W All Black LRB42B All Satin Haze LRB42S Satin Haze/White LRB42SW Clear/White LRB42CW Specular Clear LRB42C (For wet locations add -WL)	

* H1 = 5" Maximum Height.
 ** H2 = 6-3/8" Maximum Height.

¹ All drivers are 120V/277V unless otherwise noted.
² Not available for 1000lm - 3500lm.
³ Warm Dimming Only available for 1000lm & 1500lm options.
⁴ Tunable White only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 1500lm & 3500lm option only.
⁵ Check wiring diagrams
⁶ Not compatible to UE-DUN Driver.
⁷ Special Order.
⁸ (-SUN-RMT) sensor sent with mounting clips for existing ceiling applications.

OPTIONS

- /C260 C-Channel Hanger Bar Set
- /C260-J Adjustable C-Channel Hanger Bar Set



SPECIFICATION

Applications

The 4" LumenBlast housing is designed for medium to high ceiling heights and is available as a fixed downlight. With four trim options and four trim finishes, the luminaire offers the versatility and high lumen output that is ideal for classrooms, office lobbies and retail applications.

Housing Frame

16 gauge galvanized plaster ring with powder coat finish, six friction clips secure trim to housing for ceilings up to 1" thick.

Mounting

Housing suitable for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3 1/4" for multiple ceiling types and accepts 1/2" EMT, 26"C Channel Strut for T-bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or wood/metal joists. Heavy duty 16-gauge, die-formed galvanized steel. Bar hangers optional.

Optics

LED Light Engine - COB (Chip on Board) LED is replaceable via quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Beam Spread - Available in 25° Narrow Flood (B25), 45° Flood (B45), 60° Wide Flood (B60), and 90° Very Wide Flood (B90).

Color Temperature - Comes standard with 3000K Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. Also available in 2700K, 3500K and 4000K.

Color Rendering Index - Comes standard with 90 CRI. 97 CRI (C97) option also available with 2700K and 3000K.

Warm Dimming - Optional from 1850K to 3500K.

Tunable White - Optional with correlated color temperature range from 2700K to 5500K.

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.

Trims

Open trims are available in all White (LRB41W), all Black (LRB41B), all Satin Haze (LRB41B), and Satin Haze/White (LRB41SW). Frosted lens trims are available in all White (LRB42W), all Black (LRB42B), all Satin Haze (LRB42B), and Satin Haze/White (LRB42SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Warranty

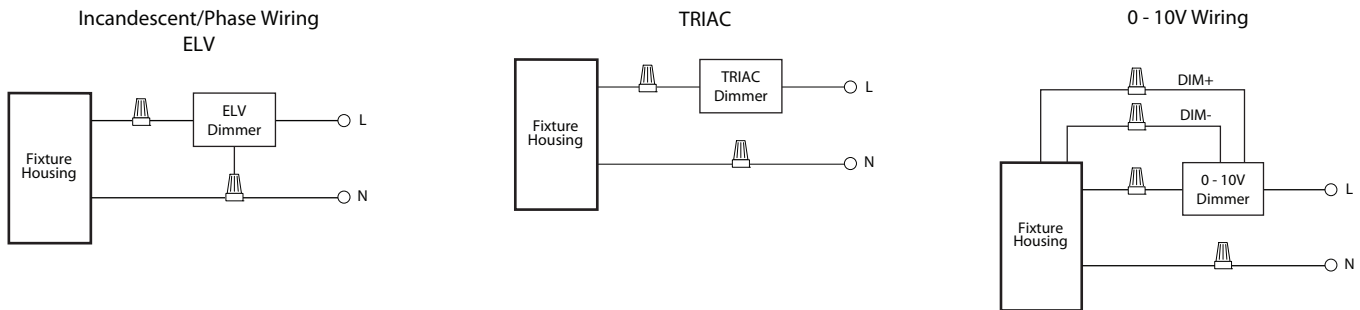
Covered by a 5-years warranty for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C (95°F). Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

SPECIFICATION (Continued)

Control Options

UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.



CASAMBI WIRELESS FIXTURE DIMMING CONTROL (-DCSM)

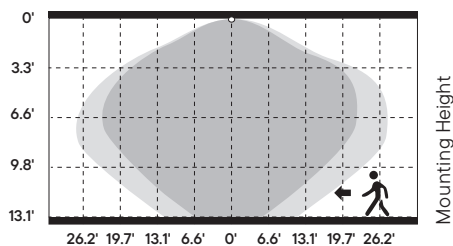
- Wireless technology with (BLE) Bluetooth Low Energy
- Mesh network connectivity and control
- Signal can be boosted by enabling openings near the module. Consult Factory.



Unisense™ PROGRAMMABLE MOTION + DAYLIGHT (-SUN-RMT, -SUN-RMT-1227)

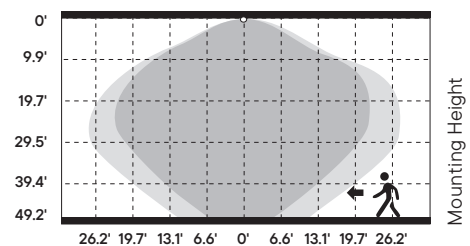
- Microwave and PIR (Passive Infrared) sensors depending on option
- Daylight harvesting
- Dusk/dawn sensing capabilities
- Motion Sensor

13' Height

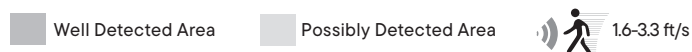


13.1 ft max. distance with 100% sensitivity

50' Height



49.2 ft max. distance with 100% sensitivity



SPECIFICATION (Continued)

BUBBLYNET WIRELESS FIXTURE DIMMING CONTROL (-DCSM)

Radio frequency (RF) device for digital control of light fixtures in a BubblyNet system.

Commissioned through BubblyNet App.

- Wireless technology with Bluetooth Mesh
- Mesh network connectivity and control
- Install devices with maximum distance to serve as repeaters. Consult Factory.

LUTRON ATHENA WIRELESS NODE (-AWN, -AWN-OCC)

Radio frequency (RF) device for digital control of light fixtures in an Athena control system.

Athena wireless processor or Clear Connect gateway-Type X is required to operate wireless node.

- Pre-Wired wireless node
- Installed on Junction Box outer wall
- 2.4 GHz
- cULus Listed (UL 916)
- UL 2043 Plenum Rated
- FCC compliant with the limits for a Class B digital device
- ANSI C1371.1 0-10V Electronic Off
- D4i certified
- IC (Industry Canada)
- Supports DALI-2 Type 8 tuneable-white color temperature Tc applications - IEC62386-209 ed.1

LUTRON VIVE WIRELESS MODULE (-VIVE)

Radio frequency (RF) device for digital control of light fixtures that operate with a 0-10V controlled LED driver.

PowPak Dimming module takes input from Pico remote controls and Radio Power Savr sensors.

- Pre-installed PowerPak to 1/2" trade-size conduit knockout
- 120/277V (50/60 Hz)
- Switches up to 8A
- Controls up to 60mA of 0-10V controlled fixtures together
- Frequency Band: 433.05-434.79 MHz
- cUL CSA 22.2 No. 141-15 Listed
- FCC compliant with the limits for a Class B digital device

SPECIFICATION (Continued)

EMERGENCY BATTERY (-EM): 10W

- Must be installed in Dry Locations
- 10W constant output to LED lamp

Not rated for outdoor mounting. Damp location rated.

-EM Lumen Data (Battery)

Fixture/Trim	LHABLD412C025
Fixture Wattage:	9W
Fixture Lumens:	1000
Multiplier:	1.11
EM Lumens:	1110

Fixture/Trim	LHABLD415C035
Fixture Wattage:	13W
Fixture Lumens:	1500
Multiplier:	0.77
EM Lumens:	1160

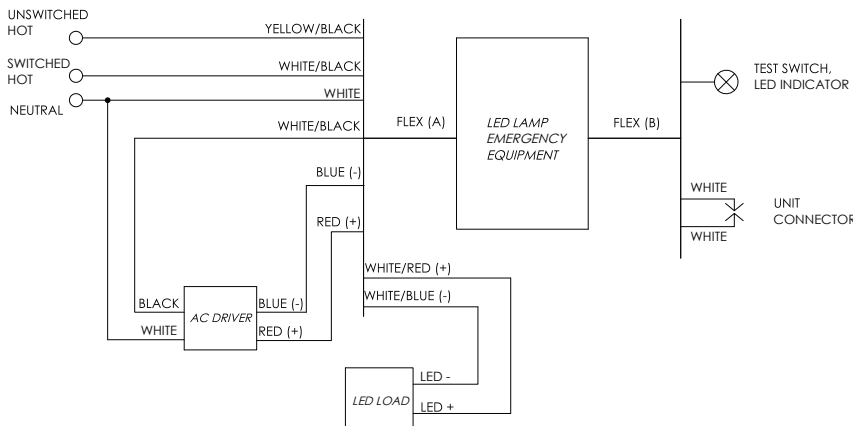
Fixture/Trim	LHABLD420C050
Fixture Wattage:	19W
Fixture Lumens:	2500
Multiplier:	0.53
EM Lumens:	1330

Fixture/Trim	LHABLD435C070
Fixture Wattage:	28W
Fixture Lumens:	3500
Multiplier:	0.36
EM Lumens:	1260

Fixture/Trim	LHABLD445C105
Fixture Wattage:	41W
Fixture Lumens:	5000
Multiplier:	0.24
EM Lumens:	1200

Fixture/Trim	LHABLD450C85
Fixture Wattage:	51W
Fixture Lumens:	6000
Multiplier:	0.20
EM Lumens:	1200

Fixture/Trim	LHABLD460C105
Fixture Wattage:	64W
Fixture Lumens:	7000
Multiplier:	0.16
EM Lumens:	1120



Input Voltage:	120-277VAC/60Hz
Output Voltage:	10W
Wattage:	10W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No

SPECIFICATION (Continued)

FULL POWER EMERGENCY INVERTER (-EMAC or -EMAC347): 9W - 64W

- Must be installed in Dry Locations
- Wattage package will determine battery sent; corresponding wiring diagrams below
- 170 VDC output to AC DRIVER during EM mode

Not rated for outdoor mounting. Damp location rated.

-EMAC Lumen Data (Battery)

Fixture/Trim	LHABLD412C025
Fixture Wattage:	9W
Fixture Lumens:	1000
EM Lumens:	1100

Fixture/Trim	LHABLD415C035
Fixture Wattage:	13W
Fixture Lumens:	1500
EM Lumens:	1500

Fixture/Trim	LHABLD420C050
Fixture Wattage:	19W
Fixture Lumens:	2500
EM Lumens:	2500

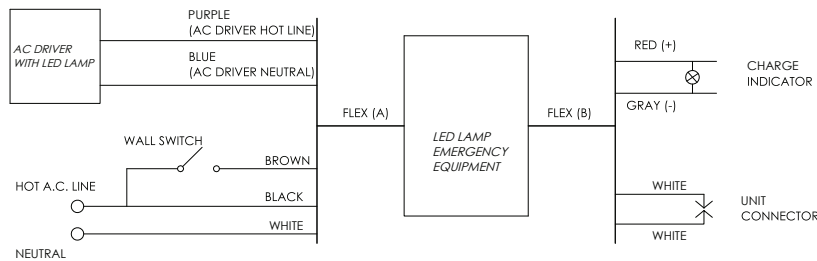
Fixture/Trim	LHABLD435C070
Fixture Wattage:	28W
Fixture Lumens:	3500
EM Lumens:	3500

Fixture/Trim	LHABLD445C105
Fixture Wattage:	41W
Fixture Lumens:	5000
EM Lumens:	5000

Fixture/Trim	LHABLD450C85
Fixture Wattage:	51W
Fixture Lumens:	6000
EM Lumens:	6000

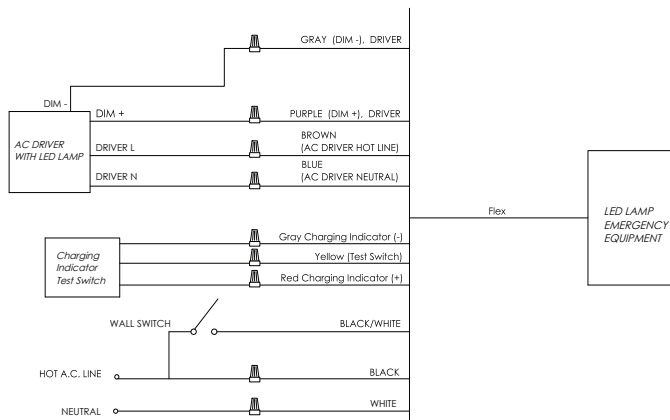
Fixture/Trim	LHABLD460C105
Fixture Wattage:	64W
Fixture Lumens:	7000
EM Lumens:	7000

<25W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	25W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	No

<40W LOAD

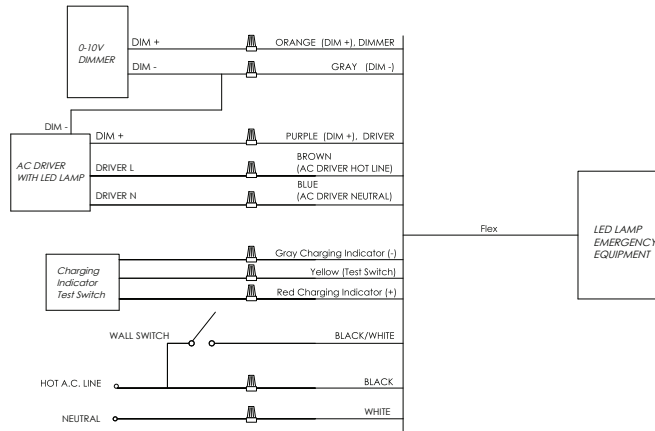


Input Voltage:	120-277VAC or 347VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	40W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	Yes

SPECIFICATION (Continued)

>40W LOAD

- 0-10V dimmable driver required



Input Voltage:	120-277VAC or 347VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	63.9W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Self-Diagnostic:	Yes

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

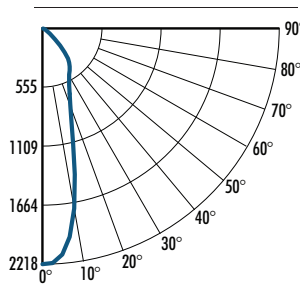
LHABLD412C025UE-DUN-B25-T40/LRB41W (1000lm, 25°, 4000K)

System Power:	8.9W
Test Date:	5/4/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1251.1
CBCP:	2218
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.71
6000lm:	4.70
5000lm:	3.91
3500lm:	2.69
2500lm:	1.95
1500lm:	1.39
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.86
90 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	61.61	28.28
8.0'	4.1'	34.66	15.91
10.0'	5.2'	22.2	10.18
12.0'	6.2'	15.4	7.07
14.0'	7.2'	11.3	5.19

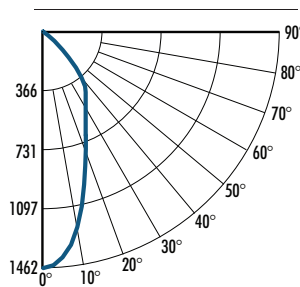
LHABLD412C025UE-DUN-B45-T40/LRB41W (1000lm, 45°, 4000K)

System Power:	8.9W
Test Date:	5/4/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1222.7
CBCP:	1462.00
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.71
6000lm:	4.70
5000lm:	3.91
3500lm:	2.69
2500lm:	1.95
1500lm:	1.39
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.86
97 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	40.61	15.56
8.0'	6.3'	22.84	8.75
10.0'	7.9'	14.6	5.60
12.0'	9.5'	10.2	3.89
14.0'	11.1'	7.5	2.86

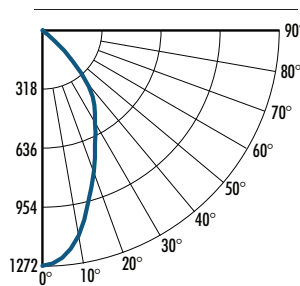
LHABLD412C025UE-DUN-B60-T40/LRB41W (1000lm, 60°, 4000K)

System Power:	8.9W
Test Date:	5/8/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1225.9
CBCP:	1271
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.76
6000lm:	4.74
5000lm:	3.95
3500lm:	2.71
2500lm:	1.97
1500lm:	1.40
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.82
97 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	35.31	12.61
8.0'	8.0'	19.86	7.09
10.0'	10.0'	12.7	4.54
12.0'	12.0'	8.8	3.15
14.0'	14.0'	6.5	2.32

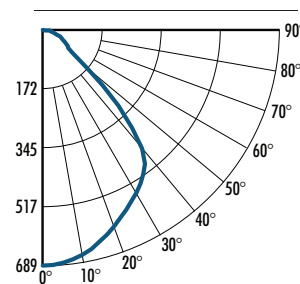
LHABLD412C025UE-DUN-B90-T40/LRB41W (1000lm, 90°, 4000K)

System Power:	8.9W
Test Date:	5/8/2018
Beam Angle 50%:	88.3°
Field Angle 10%:	126.2°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1275.2
CBCP:	689
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.71
6000lm:	4.70
5000lm:	3.91
3500lm:	2.69
2500lm:	1.95
1500lm:	1.39
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.86
97 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.6'	19.14	3.21
8.0'	15.5'	10.77	1.81
10.0'	19.4'	6.9	1.16
12.0'	23.3'	4.8	0.80
14.0'	27.2'	3.5	0.59

2019.07.24

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

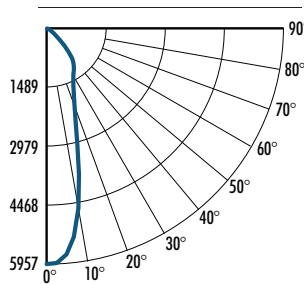
LHABLD435C070UE-DUN-B25-T40/LRB41W (3500lm, 25°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3360.3
CBCP:	5957
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.93
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	165.47	76.40
8.0'	4.1'	93.08	42.98
10.0'	5.2'	59.6	27.50
14.0'	7.2'	30.4	14.03
18.0'	9.3'	18.4	8.49

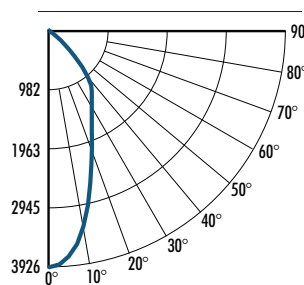
LHABLD435C070UE-DUN-B45-T40/LRB41W (3500lm, 45°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3283.9
CBCP:	1462
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	109.06	41.73
8.0'	6.3'	61.34	23.47
10.0'	7.9'	39.3	15.02
14.0'	11.1'	20.0	7.66
18.0'	14.2'	12.1	4.64

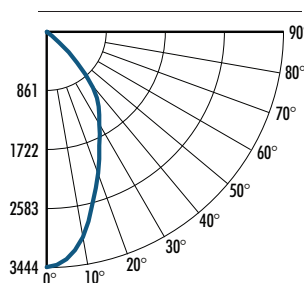
LHABLD435C070UE-DUN-B60-T40/LRB41W (3500lm, 60°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3319.4
CBCP:	3441
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	95.58	34.16
8.0'	8.0'	53.77	19.22
10.0'	10.0'	34.4	12.30
14.0'	14.0'	17.6	6.27
18.0'	18.0'	10.6	3.80

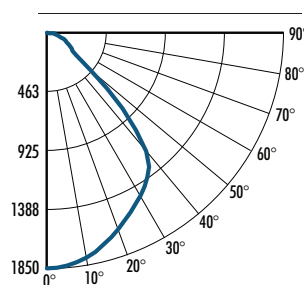
LHABLD435C070UE-DUN-B90-T40/LRB41W (3500lm, 90°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	88.4°
Field Angle 10%:	126.0°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3424.7
CBCP:	1850
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.7'	51.39	8.60
8.0'	15.6'	28.91	4.84
10.0'	19.4'	18.5	3.10
12.0'	23.3'	12.8	2.15
14.0'	27.2'	9.4	1.58

PHOTOMETRY

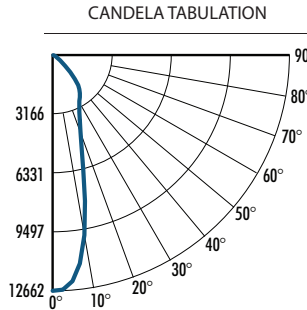
NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

LHABLD460C105UE-DUN-B25-T40/LRB41W (7000lm, 25°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	7142.4
CBCP:	12662
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.18	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



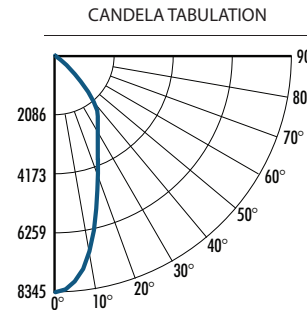
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	4.1'	197.84	90.79
10.0'	5.2'	126.62	58.10
15.0'	7.8'	56.3	25.82
20.0'	10.3'	31.7	14.53
25.0'	12.9'	20.3	9.30

LHABLD460C105UE-DUN-B45-T40/LRB41W (7000lm, 45°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	6980.1
CBCP:	8345
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.18	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



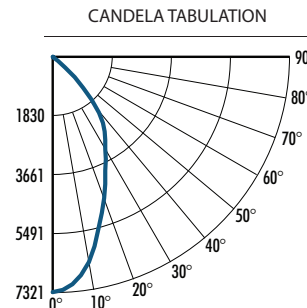
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	6.3'	130.39	49.89
10.0'	7.9'	83.45	31.93
15.0'	11.8'	37.1	14.19
20.0'	15.8'	20.9	7.98
25.0'	19.7'	13.4	5.11

LHABLD460C105UE-DUN-B60-T40/LRB41W (7000lm, 60°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	7055.6
CBCP:	7314
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.17	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



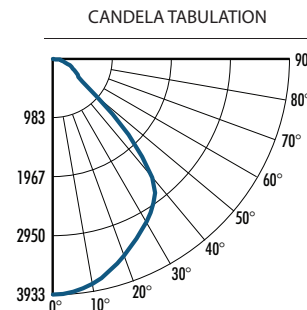
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	8.0'	114.28	40.84
10.0'	10.0'	73.14	26.13
15.0'	15.0'	32.5	11.62
20.0'	20.0'	18.3	6.53
25.0'	25.0'	11.7	4.18

LHABLD460C105UE-DUN-B90-T40/LRB41W (7000lm, 90°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	88.4°
Field Angle 10%:	126.0°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	7279.2
CBCP:	3933
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.18	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	15.5'	61.45	10.30
10.0'	19.4'	39.33	6.59
15.0'	29.1'	17.5	2.93
20.0'	38.8'	9.8	1.65
25.0'	48.5'	6.3	1.06