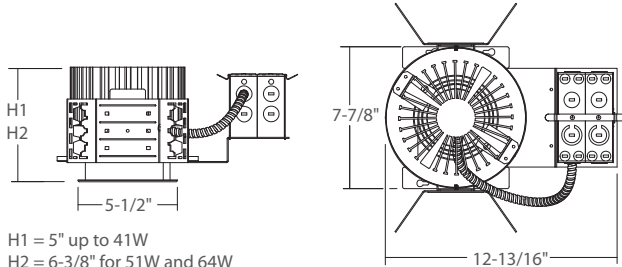


## LHABLD4 - 4" LUMENBLAST

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

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



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

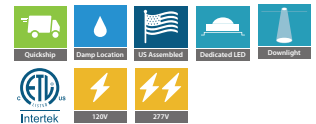


LHABLD4

### ORDERING – Example: LHABLD420C050UE-DUN-B45-TWD-FS/LRB41S

**LHABLD4**

Fixture Lumens Dimming Beam Spread Color Temperature Frame Options / Trim



Fixture	Lumens	Dimming <sup>1</sup>	Beam Spread	Color Temperature	Frame Options	Trim
Downlight	<b>LHABLD4</b>	Non-Dimming	<b>Blank</b>	25° Narrow Flood <b>-B25</b>	None	<b>Blank</b>
		Remote Driver	<b>-RMT</b>	45° Flood <b>-B45</b>	Generator Transfer Device	<b>-GTD</b>
		UniDim™ 0-10V, ELV, Triac Dimming (5%)	<b>UE-DUN</b>	90° Very Wide Flood <b>-B90</b>	Single Fuse	<b>-FS</b>
		Wireless Enocean Adapter (10%)	<b>UE-DEN</b>	<b>Color Temperature</b>	Remote Emergency Backup (12W)	<b>-EM</b>
		DMX Dimming (0%)	<b>UE-DMX</b>	2700K, 80 CRI <b>-T27</b>	Remote Emergency Inverter (up to 28W)	<b>-EMAC<sup>5</sup></b>
		0-10V Dimming (1%)	<b>UE-D10P1</b>	2700K, 90 CRI <b>-T27-C90</b>	C-Channel Hanger Bar Set	<b>C260</b>
		347V 0-10V Dimming (5%)	<b>-347-D10</b>	2700K, 97 CRI <b>-T27-C97</b>	Adjustable C-Channel Hanger Bar Set	<b>C260-J</b>
		Lutron Hilume/ Ecoystem Dimming (1%)	<b>UE-DHL</b>	3000K, 80 CRI <b>-T30</b>	<b>Trim (Open)</b>	
		120V 2-Wire Incandescent (1%)	<b>DINP1<sup>2</sup></b>	3000K, 90 CRI <b>-T30-C90</b>	All White	<b>LRB41W</b>
				3000K, 97 CRI <b>-T30-C97</b>	All Black	<b>LRB41B</b>
				3500K, 80 CRI <b>-T35</b>	All Satin Haze	<b>LRB41S</b>
				4000K, 80 CRI <b>-T40</b>	Satin Haze/White	<b>LRB41SW</b>
				Warm dimming 1850K-3000K <b>-TWD<sup>3</sup></b>	Clear/White	<b>LRB41CW</b>
				Tunable White 2700K-6500K <b>-TTW<sup>4</sup></b>	Specular Clear	<b>LRB41C</b>
					<b>Trim (Frosted Lens)</b>	
					All White	<b>LRB42W</b>
					All Black	<b>LRB42B</b>
					All Satin Haze	<b>LRB42S</b>
					Satin Haze/White	<b>LRB42SW</b>
					Clear/White	<b>LRB42CW</b>
					Specular Clear	<b>LRB42C</b>
					(For wet locations add -WL)	

\*H1 = 5" Maximum Height.

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

<sup>1</sup> All drivers are 120V/277V unless otherwise noted.

<sup>2</sup> Not available for 1000lm - 3500lm.

<sup>3</sup> Warm Dimming Only available for 1000lm & 1500lm options.

<sup>4</sup> Tunable White only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 1500lm & 3500lm option only.

<sup>5</sup> EMAC emergency option fully illuminates during power failure. Only available for 9W, 13W, 19W and 28W options.

<sup>6</sup> Not compatible to UE-DUN Driver.

### 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), 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 80 CRI. 90 CRI and 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. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

## PHOTOMETRY

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

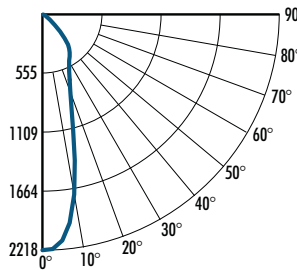
### LHABLD412C025UE-DUN-B25-T40/LRB41W (1000lm, 25°, 4000K)

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

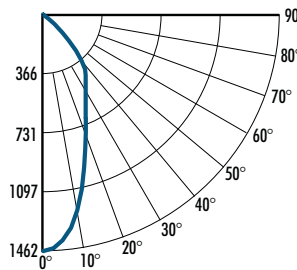
### LHABLD412C025UE-DUN-B45-T40/LRB41W (1000lm, 45°, 4000K)

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

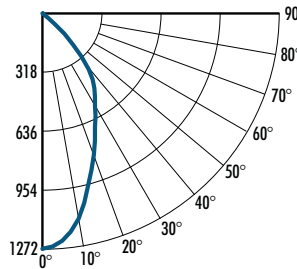
### LHABLD412C025UE-DUN-B60-T40/LRB41W (1000lm, 60°, 4000K)

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

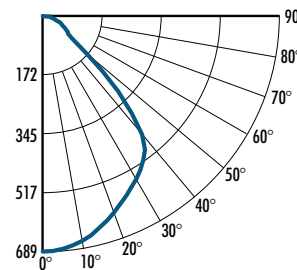
### LHABLD412C025UE-DUN-B90-T40/LRB41W (1000lm, 90°, 4000K)

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

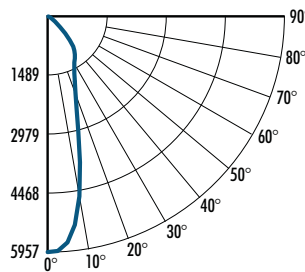
### LHABLD435C070UE-DUN-B25-T40/LRB41W (3500lm, 25°, 4000K)

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	
1000lm : 0.37	
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'	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

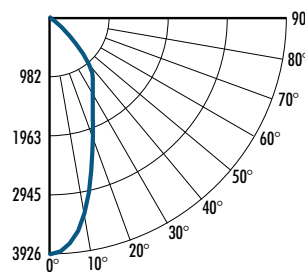
### LHABLD435C070UE-DUN-B45-T40/LRB41W (3500lm, 45°, 4000K)

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	
1000lm : 0.37	
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'	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

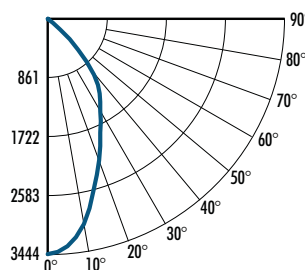
### LHABLD435C070UE-DUN-B60-T40/LRB41W (3500lm, 60°, 4000K)

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	
1000lm : 0.37	
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'	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

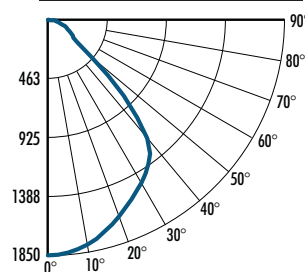
### LHABLD435C070UE-DUN-B90-T40/LRB41W (3500lm, 90°, 4000K)

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	
1000lm : 0.37	
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'	11.7'	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

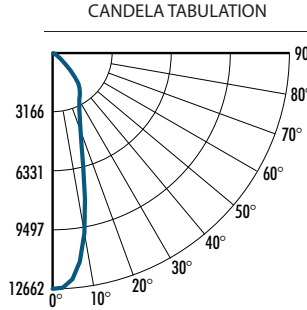
NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

### 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	
1000lm : 0.18	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



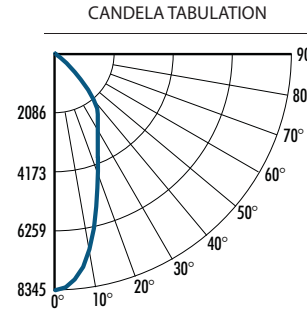
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	4.1'	197.84	90.79
10.0'	5.2'	126.62	58.10
15.0'	7.8'	56.3	25.82
20.0'	10.3'	31.7	14.53
25.0'	12.9'	20.3	9.30

### 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	
1000lm : 0.18	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



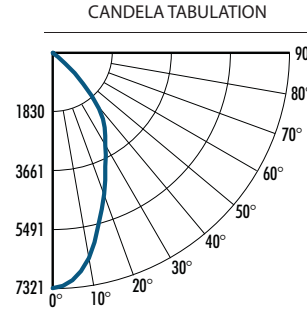
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	6.3'	130.39	49.89
10.0'	7.9'	83.45	31.93
15.0'	11.8'	37.1	14.19
20.0'	15.8'	20.9	7.98
25.0'	19.7'	13.4	5.11

### 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	
1000lm : 0.17	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



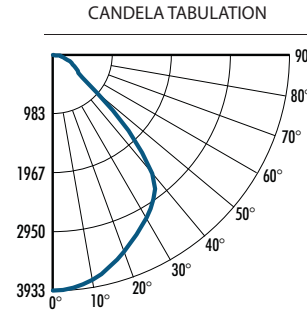
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	8.0'	114.28	40.84
10.0'	10.0'	73.14	26.13
15.0'	15.0'	32.5	11.62
20.0'	20.0'	18.3	6.53
25.0'	25.0'	11.7	4.18

### 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	
1000lm : 0.18	
CRI	
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