# LITHONIA LIGHTING®

# LBR4

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Typical applications include corridors, lobbies, conference rooms and private offices.
**CONSTRUCTION** — Retrofit, remodel, and new construction mounting types. See table for compatible ceiling openings and thickness range.

Optional goof rings available for additional overlap trim coverage.

1/2"-1-1/2" ceiling thickness

25° ambient temperature

IC rated up to 1000lm

**OPTICS** — LEDs are binned to a 3-step Mac Adam Ellipse. 55° cutoff

New construction frame accessories approved for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

80CRI standard (90CRI optional)

**UGR** — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg, per CIE 117-1996 Discomfort Glare in Interior Lighting. UGR FAQ

**ELECTRICAL** — Adjustable lumen output with four module options. Fixed lumen options also available.
MVOLT 120/277V 50/60Hz driver (0-10V & 120V Phase Dimming to 10% or 1% min dimming level)
FCC CFR Title 47 Part 15 Class A for 277V. FCC CFR Title 47 Part 15 Class B for 120V

**LUMEN MAINTENANCE** — L80 at 60,000 hours

**LISTINGS** — Certified to US and Canadian safety standards. Damp location standard (Wet Location (WL) optional, requires covered ceiling). TAA compliant. UFC (3-530-01) specification compliant for power factor and THD. GSA P100 6.2.4 compliant for power quality at full output; compliant up to 2000lm at fully dimmed output. Drivers are ROHS compliant

Title 24 compliant (90CRI, up to 1000lm).

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

**Note:** Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

**4" Open and Wallwash LED Retrofit/Remodel Downlight**

**Retrofit | Remodel**

**Open Trim**

**Wallwash Trim**

## Performance Data

| LBR4 AR LSS MWD | | 80CRI | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 30K/80CRI | | 35K/80CRI | | 40K/80CRI | | 50K/80CRI | |
| Lumen Output | Wattage | Delivered Lumens | LPW | Delivered Lumens | LPW | Delivered Lumens | LPW | Delivered Lumens | LPW |
| AL01 (500LM) | 6 | 570 | 99 | 584 | 101 | 597 | 102 | 616 | 105 |
| AL01 (750LM) | 9 | 903 | 102 | 924 | 103 | 946 | 105 | 975 | 108 |
| AL01 (1000LM) | 13 | 1268 | 98 | 1297 | 100 | 1328 | 102 | 1369 | 104 |
| AL02 (1000LM) | 13 | 1344 | 108 | 1375 | 110 | 1408 | 112 | 1451 | 115 |
| AL02 (1500LM) | 19 | 1961 | 105 | 2007 | 106 | 2055 | 108 | 2118 | 111 |
| AL02 (2000LM) | 25 | 2471 | 99 | 2528 | 101 | 2588 | 103 | 2668 | 105 |
| AL03 (2000LM) | 25 | 2542 | 103 | 2601 | 104 | 2663 | 106 | 2745 | 109 |
| AL03 (2500LM) | 32 | 3069 | 98 | 3140 | 99 | 3214 | 101 | 3314 | 103 |
| AL03 (3000LM) | 38 | 3485 | 93 | 3566 | 94 | 3651 | 96 | 3764 | 98 |
| AL04 (4000LM) | 39 | 4094 | 106 | 4178 | 108 | 4262 | 110 | 4303 | 111 |
| AL04 (4500LM) | 44 | 4519 | 103 | 4611 | 105 | 4703 | 107 | 4749 | 108 |
| AL04 (5000LM) | 49 | 4915 | 100 | 5015 | 102 | 5115 | 104 | 5165 | 105 |

| LBR4 MS MWD | | 80CRI | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 30K/80CRI | | 35K/80CRI | | 40K/80CRI | | 50K/80CRI | |
| Lumen Output | Wattage | Delivered Lumens | LPW | Delivered Lumens | LPW | Delivered Lumens | LPW | Delivered Lumens | LPW |
| AL01 (500LM) | 6 | 479 | 83 | 490 | 85 | 502 | 87 | 517 | 89 |
| AL01 (750LM) | 9 | 758 | 85 | 776 | 87 | 794 | 89 | 819 | 92 |
| AL01 (1000LM) | 13 | 1065 | 82 | 1089 | 84 | 1115 | 86 | 1150 | 89 |
| AL02 (1000LM) | 13 | 1129 | 90 | 1155 | 92 | 1182 | 95 | 1219 | 98 |
| AL02 (1500LM) | 19 | 1648 | 87 | 1686 | 89 | 1726 | 91 | 1779 | 94 |
| AL02 (2000LM) | 25 | 2075 | 83 | 2124 | 85 | 2174 | 87 | 2241 | 90 |
| AL03 (2000LM) | 25 | 2135 | 86 | 2185 | 88 | 2237 | 90 | 2306 | 93 |
| AL03 (2500LM) | 32 | 2578 | 82 | 2638 | 83 | 2700 | 85 | 2784 | 88 |
| AL03 (3000LM) | 38 | 2927 | 78 | 2995 | 79 | 3066 | 81 | 3162 | 84 |
| AL04 (4000LM) | 39 | 3439 | 89 | 3510 | 91 | 3580 | 92 | 3615 | 93 |
| AL04 (4500LM) | 44 | 3796 | 86 | 3873 | 88 | 3951 | 90 | 3989 | 91 |
| AL04 (5000LM) | 49 | 4128 | 84 | 4213 | 85 | 4297 | 87 | 4339 | 88 |

**design select**

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

• Tested in accordance with IESNA LM-79-08. u8226
• Tested to current IES and NEMA standards under stabilized laboratory conditions.
• CRI: 80 typical

nLIGHT   sensorswitch   LOW UGR   TITLE 24 PART 6   TITLE 20   WET LOCATION™   ds

battery pack

# LBR4

## Module ordering

**ORDERING INFORMATION**  Lead times will vary depending on options selected. Consult with your sales representative.

Example: LBR4 ALO2 SWW1 AR LSS MWD MVOLT UGZ 90CRI

| Series | Lumens ‡ | | Color temperature ‡ | Reflector Color | Reflector Flange ‡ | Reflector Finish |
|---|---|---|---|---|---|---|
| LBR4   4" Retrofit<br>LBR4WW ‡  4" Retrofit Wallwash | **Adjustable Lumen Output**<br>ALO1  500/750/1000lm<br>ALO2  1000/1500/2000lm<br>ALO3  2000/2500/3000lm<br>ALO4  4000/4500/5000lm | **Fixed Lumen Output**<br>05LM  500lm<br>07LM  750lm<br>10LM  1000lm<br>15LM  1500lm<br>20LM  2000lm<br>25LM  2500lm<br>30LM  3000lm<br>40LM  4000lm<br>45LM  4500lm<br>50LM  5000lm | **Switchable CCT**<br>SWW1  3000K-3500K-4000K-5000K<br>**Fixed CCT**<br>27K  2700K<br>30K  3000K<br>35K  3500K<br>40K  4000K<br>50K  5000K | AR   Clear<br>BR ‡  Black painted<br>MS ‡  Metallic Silver<br>WR ‡  White painted<br>TCPC ‡  Custom painted trim<br>TRALTBD ‡  RAL painted trim | (blank)  Self-flanged<br>TRW  White painted flange<br>TRBL  Black painted flange<br>FCPC  Custom painted flange only<br>FRALTBD  RAL painted flange only | LSS  Semi-specular |

| Distribution | Voltage | Driver | Emergency ‡ | Control Input ‡ | Options |
|---|---|---|---|---|---|
| MWD  Medium wide (1.0 s/mh)<br>WD  Wide (1.2s/mh)<br>WW ‡  Wallwash | MVOLT<br>120<br>277<br>347 | UGZ  Universal dimming to 10% 0-10V; line voltage dimming (120V)<br>UGZ1  Universal dimming to 1% 0-10V; line voltage dimming (120V)<br>DALI ‡  DALI dimming to 1%<br>D1  Minimum dimming 1% driver for use with SSAIR | (blank)  No Emergency Needed<br>ELR  Battery pack (10W constant power) Non-T20 Compliant remote test switch<br>ETS  Iota Emergency Transfer System<br>E10WCP  Battery pack (10W constant power) T20 Compliant integral test switch<br>E10WCPR  Battery pack (10W constant power) T20 Compliant remote test switch<br>E10WRSTAR  Emergency battery pack, 10W with remote test switch and Iota STAR technology | (blank)  No Control Input Needed<br>SSAIR  Wireless standalone embedded control by SensorSwitch<br>NLIGHT  Embedded wired controls from nLight<br>NLIGHTER  Embedded wired controls from nLight with UL924 listed emergency operation<br>NLTAIR2  nLight® Air enabled<br>NLTAIREM2  nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. | 90CRI  High CRI (90+)<br>AT ‡  Airtight<br>EC1 ‡  Extended Conduit (18")<br>EC6 ‡  Extended Conduit (6ft)<br>WL ‡  Wet Location (IP55)<br>QDS ‡  Quick disconnect plugs<br>CP ‡  Chicago Plenum |

**NOTE:** ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart below.

### ‡ Option Value Ordering Restrictions

| Options | Restriction |
|---|---|
| Adjustable Lumens/CCT | Adjustable Lumen Output and Switchable CCT must be specified together (for Example: ALO1 SWW1) |
| Fixed Lumens/CCT | Fixed Lumen Output and Fixed CCT must be specified together (for Example: 10LM 30K) |
| WW | Not available with WL, EL, E10WCP. |
| MS, WR, BR | Not available with LSS reflector finish |
| WR | Not available with TRW |
| BR | Not available with TRBL |
| TRALTBD, FRALTBD | RALTBD for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Not available with TCPC or FCPC. |
| TCPC, FCPC | CPC options for pricing only. Custom color chip needs to be sent in to your Customer Resolution specialist before order can be processed. Click HERE for more details. Not available with TRAL or FRAL. |
| TRW, TRBL | Available with MS and AR reflectors only. |
| LSS | Not available with BR or WR or MS |
| 347V | Not available with CP, QDS, ELR, E10WCP, E10WCPR, NLIGHT, NLIGHTER, NLTAIR2, or NLTAIREM2 |
| DALI | Not available with fixed lumens or CCT. Max 4500 lumens. |
| E10WCPR | Not available with EC1, EC6, QDS, CP, 347V, NLIGHTER, NLTAIREM2, WL, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/SSAIR. |
| E10WCP | Not available with WW, EC1, EC6, AT, QDS, CP, 347V, NLIGHTER, NLTAIREM2, WL, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/SSAIR. |
| E10WSTAR | Not available with wet location, EC1, EC6, QDS, CP, 347V, NLIGHTER, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/SSAIR. Top access installation or 17.5" plenum clearance required for roomside installation. Not available with integral test switch |
| ELR | Not available with EC1, EC6, QDS, CP, 347V, NLIGHTER, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/SSAIR. |
| ETS | Not available with, QDS, ELR, E10WCP, E10WCPR, 347V, SSAIR, NLIGHT, NLIGHTER, NLTAIR2, NLTAIREM2, DALI, or D1 driver |
| SSAIR | Only available with D1 driver. Not available with CP, NLIGHT, NLIGHTER, NLTAIR2, NLTAIREM2, UGZ, or DALI drivers. Max 4500 lumens. Fixed lumens and CCT only. Not available with 2000-4500lm in conjunction with emergency batterypacks. |
| NLIGHT | Must specify UGZ1. Not available with CP, QDS, SSAIR, ETS, UGZ, DALI, or D1 drivers. Not available with 347V. |
| NLIGHTER | Must specify UGZ1. Not available with CP, QDS, ELR, E10WCP, E10WCPR, DALI, or D1 drivers. Not available with 347V. |
| NLTAIR2 | Must specify UGZ1. Not available with CP, QDS, SSAIR, ETS, UGZ, DALI, or D1 drivers. See UL 924 Sequence of Operation table. Non-emergency luminaires with this option can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options. Not available with 347V. |
| NLTAIREM2 | Must specify UGZ1. Not available with CP, QDS, SSAIR, ETS, ELR, E10WCP, E10WCPR, DALI, D1 drivers. See UL 924 Sequence of Operation table. |
| WL | Not available with WW, All CP is wet location, except WW (Damp). IP55 rated. Not available with E10WCP |
| QDS | Must be specified for use with LBR_PFWQDS. Not Available with CP, emergency options, or 347V. |
| EC1, EC6 | Not Available with CP,QDS, ELR, E10WCP, or E10WCPR. |
| AT | Standard for CP and IP55, not available with WW. Not available with E10WCP |
| CP | Not available with, QDS, EC1, EC6, ELR, E10WCPR, 347V, SSAIR, NLTAIR2, NLTAIREM2, D1 drivers. For new construction applications, must be specified with LBR_PFWCP. |

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# LBR4

| Accessories: *Order as separate catalog number. Shipped separately.* | |
|---|---|
| LBRGR56** | Goof ring 5-3/4" to 6-3/4" for LBR4 (** specify BR or WR) |
| LBRCPGR56** | Chicago Plenum Goof ring 5-3/4" to 6-3/4" for LBR4 |
| LBRO4 AR LSS TRIM | 4" clear, semi-specular reflector |
| LBRO4 ** TRIM | 4" reflector (** specify MS, WR, BR) |
| LBRW4 AR LSS TRIM | 4" clear, semi-specular wallwash |
| LBRW4 ** TRIM | 4" wallwash (** specify MS, WR, BR) |
| LBR46810HB FPAN U | Mounting plate 4"-10" unit pack |
| LBR46810HB FPAN J10 | Mounting plate 4"-10" 10-pack |
| LBR SDT 347V 75W ASM | Field installed 347V Step-down transformer |
| SCA4 | Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. |

4" GOOF RING   Ø 4-1/2" [116.8]   Ø 7-1/4" [184.2]   1/4" [4.8]
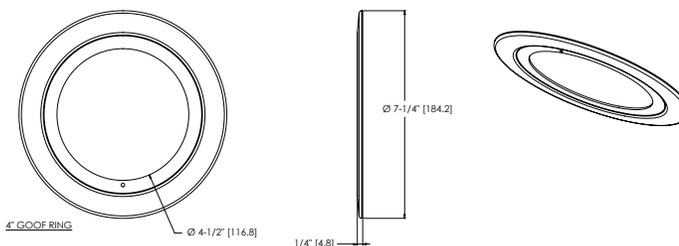
| Module | Mounting Frame Accessory | Compatible Fixture Options |
|---|---|---|
| LBR4 | LBR4PF | QDS, EC1, EC6, |
| | LBR4PFW | Base fixture only |
| | LBR4PFW EM | ELR, E10WCPR, E10WCP, E10WRSTAR |
| | LBR4PFWQDS | QDS fixture only |
| LBR4WW | LBR4PF | QDS, EC1, EC6, |
| | LBR4PFW | Base fixture only |
| | LBR4PFW EM | ELR, E10WCPR, E10WRSTAR |
| | LBR4PFWQDS | QDS fixture only |

## Emergency Battery Pack Options - Field Installable

| Battery Model Number | Wattage | Runtime (Minutes) | Lumen Output* @ 120 Lumens/Watt | Other |
|---|---|---|---|---|
| ILB CP07 2H A | 7W | 120 | 840 | Storm Shelter / 2 Hour Runtime |
| ILB CP10 A | 10W | 90 | 1200 | |
| ILBLP CP10 HE SD A+ | 10W | 90 | 1200 | Title 20, Self Diagnostic |
| ILBLP CP15 HE SD A+ | 15W | 90 | 1800 | Title 20, Self Diagnostic |
| ILB CP20 HE A | 20W | 90 | 2400 | Title 20 |
| ILB CP20 HE SD A | 20W | 90 | 2400 | Title 20, Self Diagnostic |
| ILBHI CP10 HE SD A+ | 10W | 90 | 1200 | 347-480V AC Input, Title 20, Self Diagnostic |
| ILBHI CP15 HE SD A+ | 15W | 90 | 1800 | 347-480V AC Input, Title 20, Self Diagnostic |

All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

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