



BASYS™ LED II Recessed Round Adjustable Tilt 0-40°, 360° Rotation

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1149

**2.75" Adjustable
BASYS LED II ROUND**

Applications: The BASYS LED II mechanical adjustable luminaire offers a broad range of distributions, outputs and finishes for any application where precise beam angles and accurate focusing are required. Hot aiming and lockable tilting and rotation mechanisms make this luminaire an obvious choice for offices, foyers, hallways, portrait galleries, shops and any application where accurate accent lighting is required.

LED

Type: _____

Project: _____

BASYS LED II HOUSING		
BR2ALED2		
FIXTURE	TRIM/CEILING TYPE	OPTIONS
BASYS LED II Round 2.75" Recessed Adjustable	N Standard Flange	F Fusing
	F Flangeless	
	T TechZone, 6"	

BASYS LED II MOUNTING	
OPTIONS	
9930	Set of two 27" C-Channel mounting bars
9952	Set of two 52" C-Channel mounting bars
9956	Set of two 28" 10 ga. one-piece universal mounting bars

BASYS LED II TRIM							
BR2ALED2							
FIXTURE	TRIM/CEILING TYPE	WATTAGE/OUTPUT	LED MODULE	BEAM	DRIVER	REFLECTOR FINISH	FLANGE FINISH
BASYS LED II Round 2.75" Recessed Adjustable	N Standard Flange	10W 800 lm	827 2700K, 80+ CRI	10 10°	D_* Standard 0-10V Dimming Driver, 10% DH_* Lutron HiLume A Series, 1% DD_* DALI Dimming, 1% <i>* Specify "1" for 120V or "2" for 277V</i>	CL Clear Specular CS Clear Semi-Specular MT Matte WH White Matte CC* Custom	N Natural W White C* Custom F Flangeless
	F Flangeless	15W 1200 lm	830 3000K, 80+ CRI	18 18°			
	T TechZone, 6"		835 3500K, 80+ CRI 840 4000K, 80+ CRI 927 2700K, 90+ CRI 930 3000K, 90+ CRI 935 3500K, 90+ CRI 940 4000K, 90+ CRI	24 24° 38 38° 60 60°			
		<i>Based on 24° photometric file. For exact Lumen Output and Wattage consumption data, please consult LM-79 reports.</i>	<i>3-Step MacAdam Ellipse</i>				
		Trim Finish Multiplier for Lumen Output Clear Specular 1.00 Clear Semi-Specular 1.00 Matte 1.05 White Matte 0.88	CCT Multiplier for Lumen Output 80 CRI 2700K 0.93 3000K 0.98 3500K 1.00 4000K 1.02 90 CRI 2700K 0.79 3000K 0.83 3500K 0.85 4000K 0.87				
						* For Custom Colors , please specify RAL # _____	

DOWNLIGHT ACCESSORIES: LENSES AND LOUVERS	
FIXTURE	LENSES AND LOUVERS
BS2ALED2	HX Hexcell Louver SM Snoot LSD Solite Lens LS Spread Lens NOTE: Fixture can accept up to two accessories.

DOWNLIGHT ACCESSORIES: LENS OPTICS	
FIXTURE	ALTERNATIVE BEAM SPREADS / REPLACEMENTS
BR2ALED2	L0042200: DL 18° TIR LENS L0042100: DL 24° TIR LENS L0042300: DL 38° TIR LENS L0042400: DL 60° TIR LENS



IBEW Union Made

1) Housing - Enclosed housing is of 20-gauge steel pre-coated black. 20-gauge aluminum plaster frame has a fixed throat of 1 1/4" to accommodate double-thickness plaster board.

Thru wiring within the housing accessed via a galvanized steel door.

2) Wattage & CCT - Wattage options are 10W or 15W. Available in 2700K, 3000K, 3500K and 4000K color temperatures for CRI 80 and CRI 90. 3-Step MacAdam Ellipse.

3) Dimming - Basys LED II is available with 0-10V Dimming driver standard, with 10% dimming, 1% dimming with the Lutron HiLume A series, and 1% dimming with a DALI driver. For non-dimming installations, the standard 0-10V dimming driver will be provided, and the dimming control wires can simply be capped off at installation.

Compatible 0-10V Dimmers:

- Lutron DTV
- Lutron NTFTV
- LEVITON IP710-DLZ

- Wattstopper/Legrand ADF-120277

- Osram 45561 - LC-SL3W-TVWBX/UNV

4) Driver - The driver can be removed through the throat.

5) Mounting - Rigid mounting brackets provide 2" vertical adjustment from inside aperture and plenum side of the housing. Brackets accommodate One-Piece Universal Mounting Bar. (mounting bars ordered as an optional accessory).

For installation in TechZone 6" ceilings mounting bars are not required as mounting brackets can be adjusted to slide onto the ceiling grid.

6) Beam options - Unit ships with specified optic, but interchangeable optical lenses provide for field adjustment to 10°, 18°, 24° and 38° beam spreads.

7) Adjustability - Equipped with patented tiltSHIFT Technology so that the focal point of the beam remains in the center of the aperture regardless of the angle of tilt. Light engine can be rotated 360° and tilted 0-40° using Philips head screwdriver. After adjustment mechanism can be locked for positive retention of the tilt angle and orientation.

8) Lower Reflector - Curve of the lower reflector provides glare control and cutout allows for aiming with minimum light loss.

Lower Reflector Finishes -

Clear Semi-Specular - Architectural visual identity is provided while maintaining precise directionality of light.

Matte - Soft, diffuse, evenly illuminated surface provides a congruous appearance between the downlight and the ceiling.

White - Zumtobel White painted finish blends well with typical White painted ceilings.

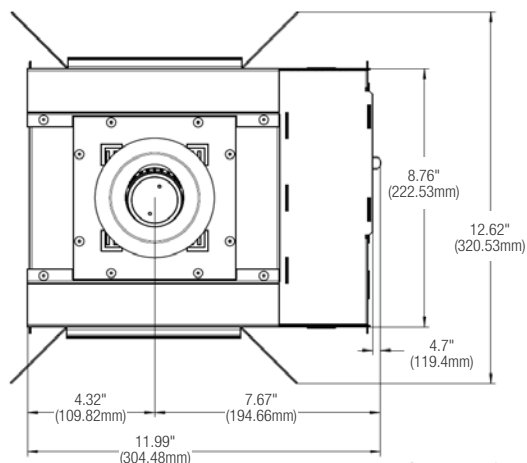
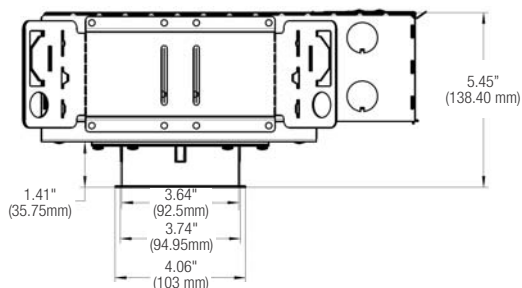
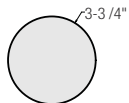
9) Life - 50,000 hours, L70.

10) Weight - TBD

PHYSICAL DIMENSIONS

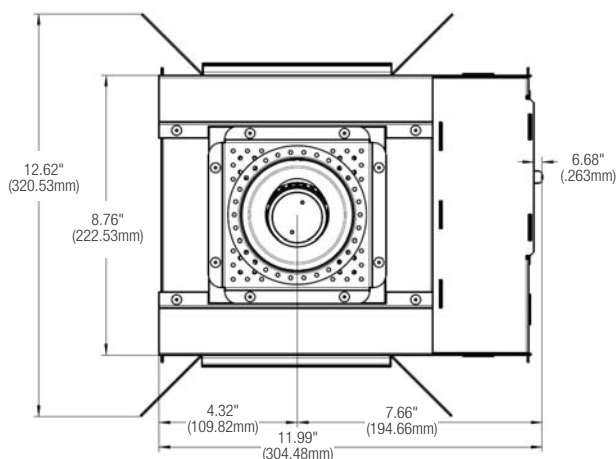
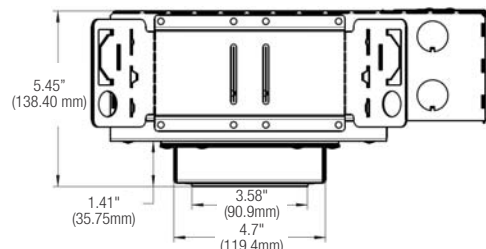
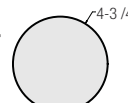
ROUND FLANGED VIEW

Ceiling Cutout
3 3/4" diameter



ROUND FLANGELESS VIEW

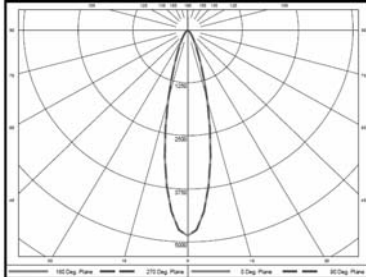
Ceiling Cutout
4 3/4" diameter



Note: Drawings and dimensions are the same for TECHZONE ceilings, acoustical tile ceilings and inaccessible ceilings.

BASYS LED II, 2.75" RD ADJ 15W 3500K 24° Efficacy: 86 Lumens/Watt

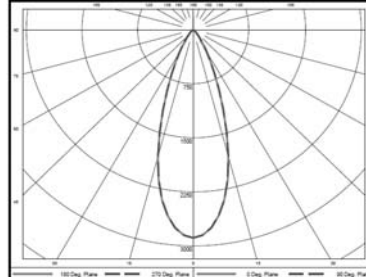
Candela Distribution



Vertical Angle	Horizontal Angle		
	0°	45°	90°
0°	4259000	4259000	4259000
45°	73470	73470	73470
55°	39310	39310	39310
65°	13050	13050	13050
75°	5367	5367	5367
85°	0	0	0

BASYS LED II, 2.75" RD ADJ 15W 3500K 38° Efficacy: 86 Lumens/Watt

Candela Distribution



Vertical Angle	Horizontal Angle		
	0°	45°	90°
0°	2534000	2534000	2534000
45°	73410	73410	73410
55°	36330	36330	36330
65°	15690	15690	15690
75°	6033	6033	6033
85°	0	0	0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10			
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	1534	1534	1534	1534	1498	1498	1498	1498	1431	1431	1431	1371	1371	1371	1315	1315	1315	1288		
1	1475	1444	1417	1393	1444	1417	1393	1371	1365	1346	1329	1318	1303	1289	1274	1263	1252	1230		
2	1417	1365	1321	1285	1390	1343	1304	1271	1303	1271	1243	1365	1239	1217	1230	1210	1192	1172		
3	1363	1295	1242	1200	1339	1278	1229	1190	1245	1205	1172	1215	1182	1154	1187	1160	1137	1119		
4	1312	1233	1175	1131	1291	1219	1165	1124	1193	1147	1111	1168	1130	1099	1146	1113	1086	1070		
5	1264	1178	1117	1072	1246	1166	1110	1067	1145	1096	1058	1125	1083	1049	1106	1070	1041	1025		
6	1220	1128	1066	1022	1203	1119	1061	1019	1101	1050	1012	1084	1040	1006	1069	1030	999	984		
7	1178	1083	1021	978	1163	1075	1017	976	1060	1009	971	1046	1000	966	1033	993	961	947		
8	1139	1042	981	939	1126	1036	978	938	1023	971	934	1011	965	930	1000	958	927	913		
9	1103	1005	945	905	1091	1000	942	903	989	937	901	979	932	898	969	926	895	881		
10	1069	971	912	873	1058	966	910	872	957	906	870	948	901	868	940	897	866	853		

IES File 10730477-1044029

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10			
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	1522	1522	1522	1522	1487	1487	1487	1487	1421	1421	1421	1360	1360	1360	1305	1305	1305	1279		
1	1459	1427	1399	1373	1428	1400	1374	1351	1349	1328	1310	1301	1286	1271	1258	1246	1234	1212		
2	1397	1342	1296	1257	1370	1320	1279	1243	1280	1246	1216	1242	1215	1190	1207	1185	1166	1146		
3	1338	1266	1210	1165	1314	1248	1197	1156	1216	1173	1137	1186	1150	1120	1158	1128	1103	1084		
4	1282	1198	1136	1089	1261	1184	1127	1082	1157	1108	1070	1133	1091	1058	1110	1075	1046	1028		
5	1230	1137	1072	1024	1211	1125	1065	1019	1103	1051	1011	1083	1038	1002	1064	1025	993	977		
6	1181	1082	1015	968	1163	1072	1010	965	1054	999	958	1037	989	952	1021	979	946	930		
7	1134	1032	965	919	1119	1024	961	916	1008	952	912	994	944	907	980	936	902	887		
8	1091	986	920	875	1077	979	916	873	966	910	869	954	903	866	942	897	863	847		
9	1050	944	879	835	1038	938	876	834	927	871	831	917	865	829	907	860	826	811		
10	1012	906	842	799	1001	901	840	798	891	835	796	882	831	794	873	826	792	778		

IES File 10730477-1044030