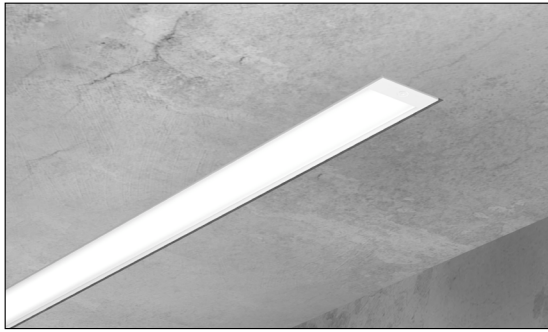


Extend 2

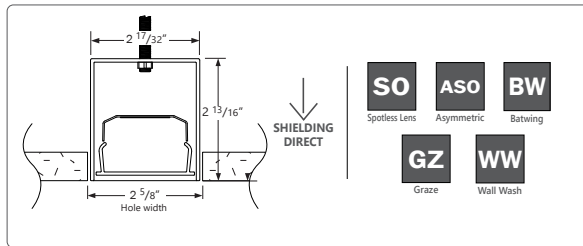
Recessed mount



Project _____

Type _____

Notes _____



PERFORMANCE PER LINEAR FOOT AT 3500K, 80 CRI

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1000 lm/ft	9.8 W/ft	101 lm/W	SO
750 lm/ft	7.2 W/ft	103 lm/W	GZ
750 lm/ft	7.4 W/ft	101 lm/W	ASO
1000 lm/ft	9.7 W/ft	102 lm/W	BW
750 lm/ft	7.4 W/ft	101 lm/W	WW

*Please consult factory for custom lumen output and wattage.

Ordering Guide



EX2R									
PRODUCT ID		NOM. LUM/FT		CRI		COLOR TEMP. (choose one)		SHIELDING DIRECT	
EX2R	Extend 2 Recessed	300	300 lm/ft - min	80	80 CRI	30	3000 K	SO	spotless lens
		750	750 lm/ft - max for	90	90 CRI	35	3500 K	GZ	graze
			GZ, WW, ASO*			40	4000 K	WW	wallwash
		1000	1000 lm/ft - max			50	5000 K	ASO	asymmetric
								BW	batwing
Ships with 7/8" hole standard for power connection by others if no optional power feed is specified, see page 3 for details.		Outputs between listed min and max are available. * 750 lm/ft max. only for GZ, WW and ASO. Consult factory for outputs outside of the listed range.						Choose only one of the options above;	

LENGTH (FT)	FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING
2 2'	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit	DF flange
3 3'	W white	277 277 V	LT(#) Lutron*	2 2 circuits	D flangeless
4 4'	BLK black	347 347 V*	BI bi-level dimming	+E(#) emergency circuit*	DS drywall spackle flange
5 5'	C custom	UNV universal	O(#) other* **	+NL(#) night light circuit*	
6 6'				+GTD(#) generator transfer device* **	
7 7'					
8 8'					
12 12'					
S(L) System Run					
Lengths are nominal. Exact lengths can be specified, please consult factory.		*Remote surge protection device only	*Please consult factory; see page 2. ** Extended temp. range drivers available.	*Specify quantity ** 4ft minimum fixture length. 120V and 277V only.	

BATTERY (OPTIONAL)	OTHER (OPTIONAL)	CUSTOM (OPTIONAL)
B(#) battery pack (integral)*	+TF top feed*	C custom
BR(#) battery pack (remote)**	+EF end feed*	
	+N natatorium finish	
*Minimum 3ft; **Dry/Damp location only. Please consult factory.	7/8" diameter top power feed hole provided standard. See page 3 for more details. *Comes with liquid tight connector and 10ft of plenum rated power cable. Not available for 347 V.	Please specify

CONSTRUCTION

Housing	Extruded aluminum (0.08" nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (18 gauge)
Gaskets	Silicone rubber
Lens Gaskets	Extruded elastomer
Lens	Extruded acrylic
Fasteners	All external fasteners are tamper proof TORX T20

OPTICS

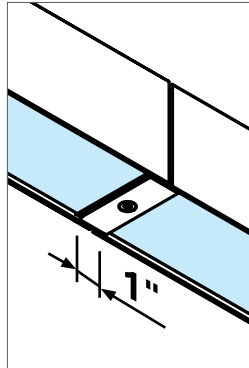


SO	Spotless lens;
ASO	Asymmetric Spotless lens;
WW	Wallwash;
BW	Batwing;
GZ	Graze.

Impact modified PMMA lens used for all shielding options.

SYSTEM (S(L))

Lengths of 2'-12' standalone are available. Runs of EXTEND2 that are greater than 12' in length are designated as systems (S(L)). System runs are comprised of a combination of 4' to 8' sections to be assembled on site using our joining system which includes a 1" sealed joiner plate. For more information on systems and joining, please refer to the EXTEND2 installation sheets available for download at www.axislighting.com.



WEIGHT

Recessed 4ft	9 lbs / 4.1 kg
Recessed 8ft	18 lbs / 8.2 kg
Recessed 12ft	27 lbs / 12.3 kg

FINISHES

Powder coated and custom finishes are also available.

OTHER MOUNTING OPTIONS

EXTEND 2 is also available with pendant, surface and wall mounted options.

- Specification sheets and installation sheets for all mountings for EXTEND 2 luminaires are available for download at www.axislighting.com

ELECTRICAL

DP	0-10V dimming driver. Ambient operating temperature -30°C - +40°C
DPX	0-10V dimming driver with extended temperature range (-40°C - +50°C)
Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black (min ambient operating temperature - 0°C (32°F).
Other drivers	DALI* - Digital Addressable Lighting Interface DMX* - Digital Multiplex Xitanium SR* - For wireless sensor DPX - 0-10V dimming driver with extended temperature range (-40°C - +50°C)

Choose driver from available options.

* Ambient operating range: -20°C - +40°C

Emergency	B(#) Integral Emergency Battery pack, 3ft minimum. Operating temperature 0° to 50°C BR(#) Remote emergency battery pack operating temperature range (-20°C- +50°C) for 120V to 277V; (0°C - +50°C) for 347V.
Input Voltage	120V, 277V, 347V, UNV.

Surge Protection Extend comes standard with surge protection device.

- Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and wet location rated IP66 for outdoor or indoor use.

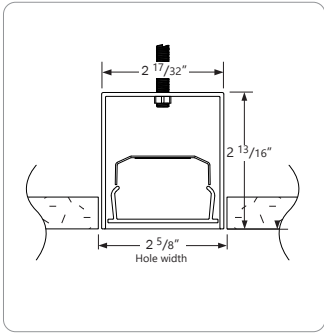
APPROVALS

Certified wet locations to UL and CUL standards. IP66 and IK10 rated.

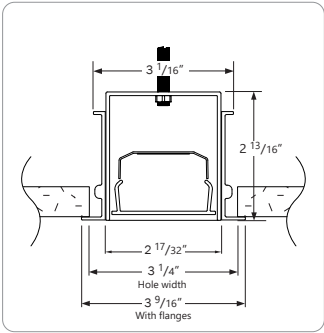
WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

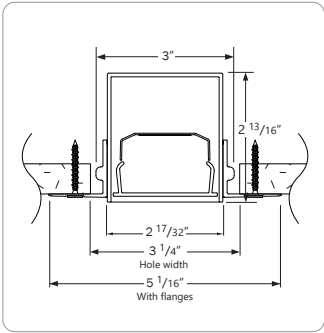
● CEILING MOUNTING OPTIONS



D FLANGELESS WITH 1/4-20 STUD MOUNTING

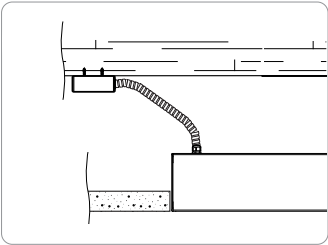


DF VISIBLE FLANGES WITH 1/4-20 STUD MOUNTING



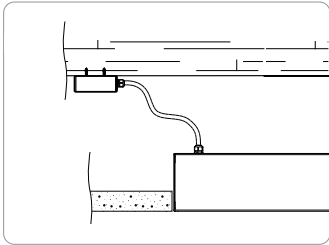
DS SPACKLE FLANGES

● POWER FEED



7/8" Diameter opening provided. Conduit and electrical connection by others.

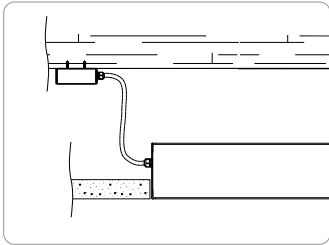
STANDARD



TF TOP FEED

OPTIONAL

Liquid tight connector and 10ft of plenum rated power cable provided.



EF END FEED

OPTIONAL

Liquid tight connector and 10ft of plenum rated power cable provided.

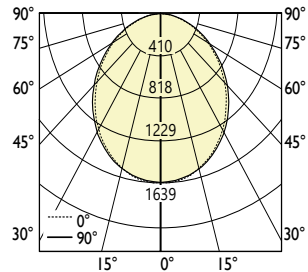
● PHOTOMETRIC DATA

SO - Spotless lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 3982 lm (for 4ft)
Input Watts: 39.5 W
Efficacy: 101 lm/W
IES FILE: EX2R-1000-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1639	1639	1639	1639	1639
5	1626	1621	1622	1620	1626
15	1539	1533	1532	1527	1526
25	1377	1370	1366	1355	1354
35	1165	1159	1150	1134	1134
45	928	923	916	898	897
55	687	682	677	658	657
65	451	445	440	425	421
75	224	221	216	203	203
85	44	43	39	33	33
90	3	3	3	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	154
10-20	432
20-30	630
30-40	722
40-50	709
50-60	608
60-70	439
70-80	233
80-90	54
90	

LUMINANCE DATA (cd/m²)

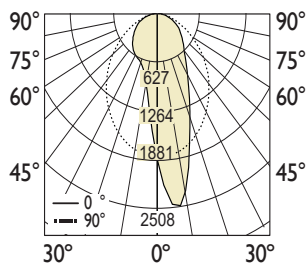
Vertical Angle	Horizontal Angles		
	0	45	90
45	37100	36644	35884
55	33888	33389	32377
65	30182	29417	28191
75	24519	23546	22127
85	14416	12814	10812

GZ Graze

750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft 750 lm/ft
Total Lumens: 2971 lm (for 4ft)
Input Watts: 28.8 W
Efficacy: 103 lm/W
IES FILE: EX2R-750-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2105	2105	2105	2105	2105
5	2092	2304	2435	2492	2508
15	1961	2361	2115	1824	1745
25	1688	1903	1381	1116	1062
35	1294	1295	869	749	738
45	849	786	585	571	583
55	510	462	401	424	438
65	280	263	250	272	276
75	126	122	121	123	117
85	26	27	27	25	25
90	3	3	2	2	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	190
10-20	453
20-30	544
30-40	534
40-50	468
50-60	371
60-70	254
70-80	128
80-90	30
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	16868	11615	11585
55	12499	9831	10726
65	9313	8296	9160
75	6836	6554	6362
85	4196	4398	4033

i All IES files are available for download at: www.axislighting.com

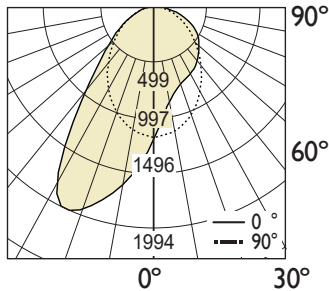
● PHOTOMETRIC DATA

WW Walwash



750 lm/ft

PHOTOMETRIC CURVE



Lumen/ft: 750 lm/ft
Total Lumens: 2987 lm (for 4ft)
Input Watts: 29.6 W
Efficacy: 101 lm/W

IES FILE: EX2R-750-80-35-WW-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1232	1232	1232	1232	1232
5	1222	1149	1097	1057	1052
15	1134	948	852	807	797
25	965	752	693	686	690
35	751	584	578	611	634
45	535	440	471	535	570
55	362	313	356	437	477
65	224	203	235	312	343
75	113	103	120	156	162
85	24	23	26	22	21
90	3	4	4	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	117
10-20	342
20-30	541
30-40	610
40-50	527
50-60	404
60-70	274
70-80	139
80-90	33
90	

LUMINANCE DATA (cd/m²)

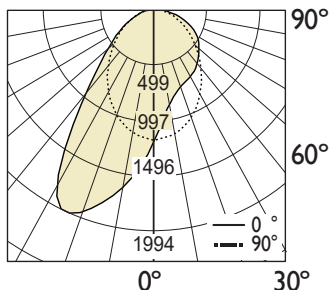
	Horizontal Angles		
Vertical Angle	0	45	90
45	10630	9359	11321
55	8858	8728	11689
65	7462	7806	11399
75	6114	6524	8813
85	3919	4146	3429

ASO Asymmetric



750 lm/ft

PHOTOMETRIC CURVE



Lumen/ft: 750 lm/ft
Total Lumens: 2987 lm (for 4ft)
Input Watts: 29.6 W
Efficacy: 101 lm/W

IES FILE: EX2R-750-80-35-ASO-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1232	1232	1232	1232	1232
5	1222	1149	1097	1057	1052
15	1134	948	852	807	797
25	965	752	693	686	690
35	751	584	578	611	634
45	535	440	471	535	570
55	362	313	356	437	477
65	224	203	235	312	343
75	113	103	120	156	162
85	24	23	26	22	21
90	3	4	4	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	117
10-20	342
20-30	541
30-40	610
40-50	527
50-60	404
60-70	274
70-80	139
80-90	33
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	10630	9359	11321
55	8858	8728	11689
65	7462	7806	11399
75	6114	6524	8813
85	3919	4146	3429

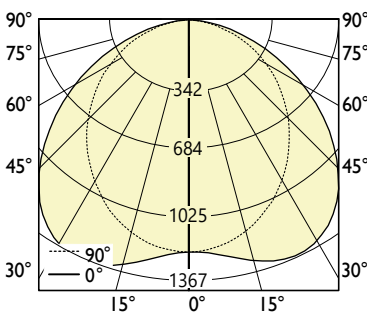
i All IES files for other lamping are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

BW Batwing

1 000 lm/ft

PHOTOMETRIC CURVE



Lumen/ft 1000 lm/ft
Luminaire Lumens: 3990 lm
Input Watts: 39.1 W
Efficacy: 102 lm/W
IES FILE: EX2R-1000-80-35-BW-4.IES
TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1191	1191	1191	1191	1191
5	1184	1187	1194	1201	1204
15	1128	1150	1207	1263	1285
25	1024	1076	1200	1314	1357
35	885	961	1139	1279	1329
45	727	809	1003	1128	1163
55	555	626	796	877	895
65	376	422	539	576	575
75	191	212	265	262	258
85	39	43	46	37	38
90	4	4	4	5	5

ZONAL LUMENS	
Zone	Lumens
0	
0-10	114
10-20	342
20-30	553
30-40	705
40-50	755
50-60	684
60-70	508
70-80	268
80-90	60
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	14449	19916	23111
55	13600	19496	21913
65	12488	17902	19111
75	10375	14386	14000
85	6255	7386	6081

i All IES files for other lamping are available for download at: www.axislighting.com