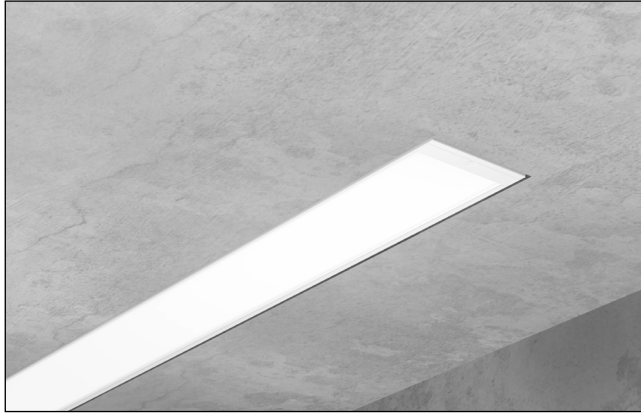


Project _____

Type _____

Notes

PERFORMANCE PER LINEAR FOOT AT 3500K, 80 CRI

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1200 lm/ft	10.1 W/ft	111 lm/W	SO
1000 lm/ft	9.9 W/ft	100 lm/W	GZ
1000 lm/ft	9.8 W/ft	102 lm/W	WW
1000 lm/ft	9.8 W/ft	102 lm/W	ASO
1200 lm/ft	12 W/ft	100 lm/W	BW

*Please consult factory for custom lumen output and wattage.



cULus Listed
Type I.C.

Ordering Guide

EX4R									
PRODUCT ID		NOM.LUMENS/FT		CRI		COLOR TEMP.		SHIELDING	
EX4R	Extend 4	400	400 lm/ft - Min.	80	80 CRI	27	2700 K	SO	spotless lens
	Recessed	1000	1000 lm/ft - Max for GZ, WW, ASO.*	90	90 CRI	30	3000 K	GZ	Graze
		1200	1200 lm/ft - Max.			35	3500 K	WW	Wallwash
						40	4000 K	ASO	Asymmetric
						50	5000 K	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. * 1000 lm/ft max. only for GZ, WW and ASO. Consult factory for outputs outside of the listed range.							

LENGTH (FT)		FINISH		VOLTAGE		DRIVER		CIRCUITS	
2	2'	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit
3	3'	W	white	277	277 V	LT(#)	Lutron *	2	2 circuits
4	4'	BLK	black	347	347 V	BI	bi-level dimming	+E(#)	emergency circuit*
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.					*Please consult factory; see page 2. Extended temp. range drivers available.			* Specify quantity ** 4ft minimum fixture length. 120V and 277V only.	

MOUNTING/SUSPENSION		BATTERY (OPTIONAL)		OTHER (OPTIONAL)		CUSTOM (OPTIONAL)	
D	flangeless	B(#)	battery pack (integral)*	+TF	top feed*	C	custom
DF	flange	BR(#)	battery pack (remote)**	+EF	end feed*		
DS	drywall spackle flange			+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. See page 3 for more details. 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

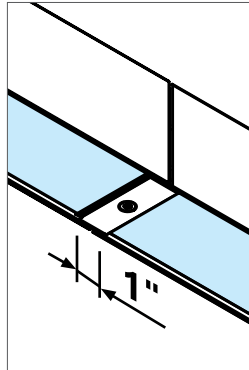


SO	Spotless lens;
ASO	Asymmetric Spotless lens;
WW	Wallwash;
BW	Batwing;
GZ	Graze.

Impact modified PMMA lens used for all shielding options.

SYSTEM (S(L))

Lengths of 2'-12' standalone are available. Runs of EXTEND4 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 EXTEND4 installation sheets available for download at www.axislighting.com.



WEIGHT

Recessed 4 ft	13 lbs / 5.9 kg
Recessed 8 ft	26 lbs / 11.8 kg
Recessed 12 ft	39 lbs / 17.7 kg

FINISH

Powder coated, custom finishes are available.

OTHER MOUNTING OPTIONS

EXTEND 4 is also available with pendant, surface and wall mounted options.

- i** Specification sheets and installation sheets for all mountings for EXTEND 4 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 (-20° to 50°C) for 120V to 277V; (0°C to 50°C) for 347V 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.

- i** 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, 4000K and 5000K 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.

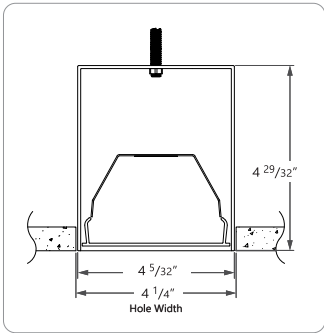
APPROVALS

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

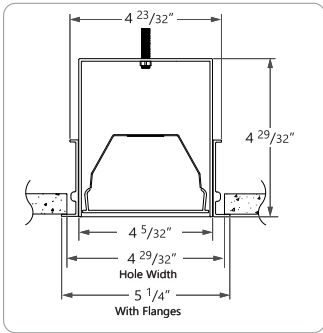
WARRANTY

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.

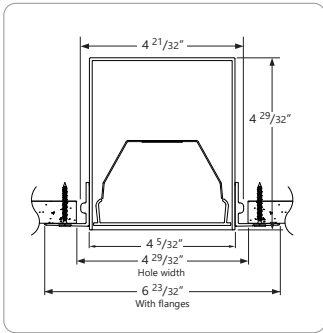
● CEILING MOUNTING OPTIONS



D FLANGELESS WITH
1/4-20 STUD MOUNTING

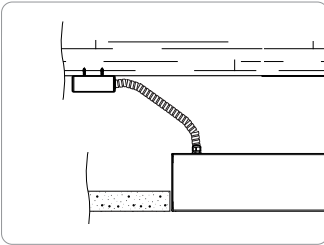


DF VISIBLE FLANGES WITH
1/4-20 STUD MOUNTING



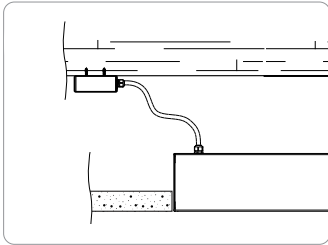
DS SPACKLE FLANGES

● POWER FEED



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

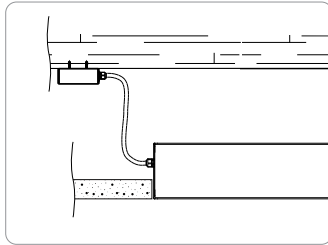
STANDARD



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.

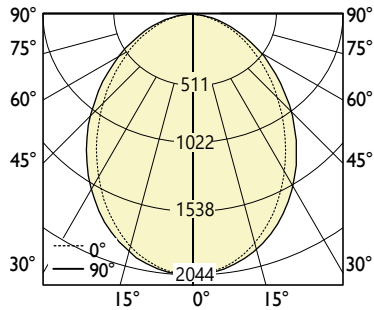
● PHOTOMETRIC DATA

SO Spotless lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1200 lm/ft
Total Lumens: 4778 lm (for 4ft)
Input Watts: 43 W
Efficacy: 111 lm/W

IES FILE: EX4R-1200-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2044	2044	2044	2044	2044
5	2031	2030	2029	2027	2029
15	1924	1919	1910	1896	1895
25	1723	1711	1691	1660	1654
35	1454	1437	1404	1366	1355
45	1148	1130	1098	1058	1046
55	838	823	800	765	755
65	544	535	519	492	485
75	270	265	259	241	239
85	53	55	57	51	52
90	4	4	4	4	4

ZONAL LUMENS

Zone	Lumens
0	
0-10	192
10-20	537
20-30	776
30-40	877
40-50	845
50-60	710
60-70	507
70-80	268
80-90	64
90	

LUMINANCE DATA (cd/m²)

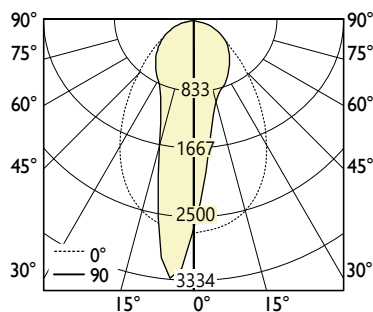
Vertical Angle	Horizontal Angles		
	0	45	90
45	13853	13256	12621
55	12467	11907	11233
65	10983	10489	9790
75	8889	8536	7895
85	5193	5539	5081

GZ Graze lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 3957 lm (for 4ft)
Input Watts: 39.7 W
Efficacy: 100 lm/W

IES FILE: EX4R-1000-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3026	3026	3026	3026	3026
5	3024	2747	2528	2349	2312
15	2842	2097	1643	1427	1376
25	2431	1523	1165	1066	1049
35	1810	1100	906	878	877
45	1134	779	703	709	726
55	656	515	509	551	579
65	358	314	326	379	409
75	160	152	164	195	210
85	32	34	39	37	37
90	4	5	5	4	4

ZONAL LUMENS

Zone	Lumens
0	
0-10	266
10-20	600
20-30	703
30-40	701
40-50	623
50-60	497
60-70	345
70-80	179
80-90	42
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	13502	8371	8645
55	9633	7475	8503
65	7143	6505	8143
75	5219	5331	6841
85	3066	3770	3528

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

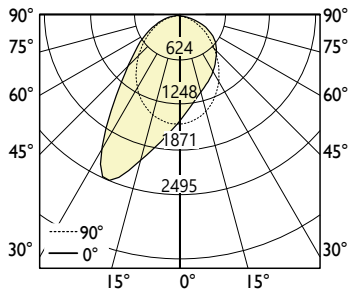
● PHOTOMETRIC DATA

WW Wallwash lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
 Total Lumens: 3984 lm (for 4ft)
 Input Watts: 39.2 W
 Efficacy: 102 lm/W
 IES FILE: EX4R-1000-80-35-WW-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1573	1573	1573	1573	1573
5	1564	1496	1450	1411	1405
15	1470	1297	1200	1148	1137
25	1286	1070	995	979	983
35	1042	852	827	854	874
45	775	645	664	722	760
55	532	460	495	586	641
65	329	294	329	425	475
75	159	146	170	225	251
85	31	32	40	43	46
90	4	5	6	6	6

ZONAL LUMENS

Zone	Lumens
0	
0-10	150
10-20	447
20-30	703
30-40	786
40-50	706
50-60	560
60-70	386
70-80	199
80-90	47
90	

LUMINANCE DATA (cd/m²)

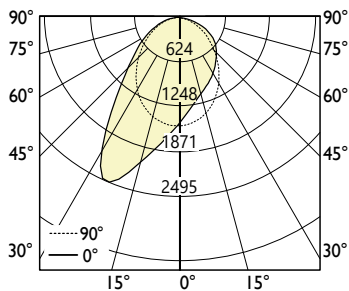
Vertical Angle	Horizontal Angles		
	0	45	90
45	9226	7902	9054
55	7814	7266	9406
65	6549	6563	9457
75	5186	5521	8157
85	3004	3873	4425

ASO Asy. Flush Lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
 Total Lumens: 3984 lm (for 4ft)
 Input Watts: 39.2 W
 Efficacy: 102 lm/W
 IES FILE: EX4R-1000-80-35-ASO-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1573	1573	1573	1573	1573
5	1564	1496	1450	1411	1405
15	1470	1297	1200	1148	1137
25	1286	1070	995	979	983
35	1042	852	827	854	874
45	775	645	664	722	760
55	532	460	495	586	641
65	329	294	329	425	475
75	159	146	170	225	251
85	31	32	40	43	46
90	4	5	6	6	6

ZONAL LUMENS

Zone	Lumens
0	
0-10	150
10-20	447
20-30	703
30-40	786
40-50	706
50-60	560
60-70	386
70-80	199
80-90	47
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	9226	7902	9054
55	7814	7266	9406
65	6549	6563	9457
75	5186	5521	8157
85	3004	3873	4425

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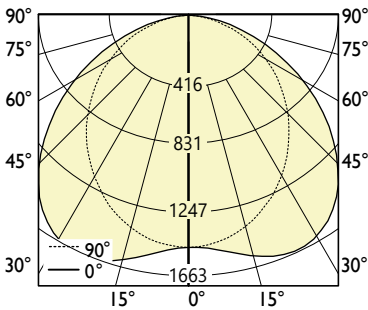
● PHOTOMETRIC DATA

BW Batwing lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1200 lm/ft
Total Lumens: 4786 lm (for 4ft)
Input Watts: 48 W
Efficacy: 100 lm/W

IES FILE: EX4R-1200-80-35-BW-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1557	1557	1557	1557	1557
5	1547	1547	1553	1561	1563
15	1457	1479	1540	1599	1621
25	1298	1359	1502	1614	1656
35	1093	1196	1402	1541	1587
45	872	991	1224	1345	1378
55	649	758	968	1047	1061
65	429	507	658	689	683
75	218	255	334	326	315
85	44	55	68	60	62
90	5	5	6	7	8

ZONAL LUMENS

Zone	Lumens
0	
0-10	149
10-20	437
20-30	688
30-40	855
40-50	897
50-60	800
60-70	585
70-80	305
80-90	69
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	10386	14580	16414
55	9531	14208	15570
65	8548	13119	13614
75	7083	10861	10261
85	4253	6584	5962

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