



DATE

PROJECT

COMMENTS

PRODUCT FEATURES

FIXTURE HOUSING

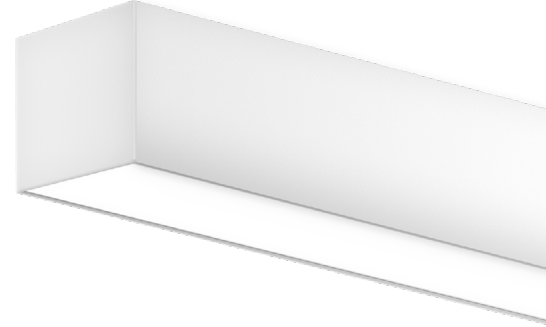
Width: 3" Height: 3.5"

ONE-PIECE EXTRUDED ALUMINUM HOUSING

Housing Ensures Straighter Rows and Consistent Lens Retention

120/277VAC 0-10 VOLT DIMMING TO 1% STANDARD

UP TO 129.5 LUMENS PER WATT



ORDERING GUIDE EX: 3C - 04 - HD - 30 - UNV - WH - EM[1]

SERIES	LENGTH	OUTPUT	CCT	VOLTAGE	FINISH
3C					
	XX FT	VHD 1250 LM/FT	30 3000K	UNV 120-277V	WH White
	2' Increments EX: 20' = 20	HD 1000 LM/FT	35 3500K	347' 347V	BLK Black
		MD 750 LM/FT	40 4000K		
		LD 500 LM/FT			
		VLD 250 LM/FT			
		CD Custom			

ORDERING NOTES

- EM NOT AVAILABLE WITH 347V.
- EM NOT AVAILABLE WITH 2' FIXTURES.

EMERGENCY OPTION NOTES

- EM AND EC QUANTITY IS NOT TO EXCEED NUMBER OF DISCRETE FIXTURE SECTIONS IN A ROW
- EM AND EC POSITION REFERS TO WHICH FIXTURE IN THE RUN THAT WILL BE POWERED BY THE EM/EC CIRCUIT.
- POSITION OPTIONS: S=STARTER, J=JOINER, E=ENDER
- EX: 2SID-24-HU-HD-35-UNV-T1-WH-EM2SJ

OPTIONS

CRI	INTEGRATED CONTROLS	OPTICAL	EMERGENCY
BLANK = 80 CRI	OS Occupancy Sensor	BLANK = LAMBERTIAN	EM² Emergency Battery
C90 90 CRI	DOS Daylight Occupancy Sensor	WW Wall Wash	EC Emergency Circuit

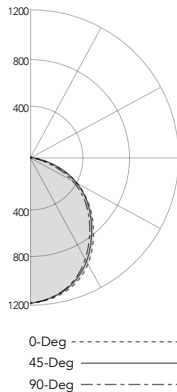
FOR LINEAR RUNS

EM	QUANTITY PER RUN*	POSITION IN RUN*
EMERGENCY BATTERY PACK		
EC	QUANTITY PER RUN*	POSITION IN RUN*
EMERGENCY CIRCUIT		

PHOTOMETRICS

3C-04-MD-30

Total Lumens: 2997
Ratio: 0% Up and 100% Down
Wattage: 26.76
Efficacy: 117.20 (Lumens Per Watt)
Fixture Length: Four Feet

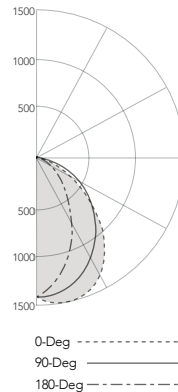


ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	888	29.1
0 - 40	1427	46.8
0 - 60	2443	80.0
0 - 90	3052	100.0
90 - 180	0	0.0
0 - 180	3052	100.0

3C-04-MD-30-WW

Total Lumens: 3,583
Ratio: 0% Up and 100% Down
Wattage: 31.6
Efficacy: 104.68 (Lumens Per Watt)
Fixture Length: Four Feet



ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1057	32.0
0 - 40	1683	50.9
0 - 60	2769	83.7
0 - 90	3308	100.0
90 - 180	0	0.0
0 - 180	3308	100.0

ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

SYMMETRICAL DOWN LIGHT

	VHD	HD	MD	LD	VLD
WATTS/FT	10.0	8.2	6.5	4.0	2.1
LUMENS/FT	1231	1032	760	518	255
LUMENS/W	123.1	125.3	117.2	129.5	123.7

WALL WASH

	HD	MD	LD
WATTS/FT	10.53	7.90	5.38
LUMENS/FT	1072.50	827.00	565.00
LUMENS/W	101.90	104.68	105.12

OPERATION

Light Engine:

The 3C is available in 3000K, 3500K and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 80+. Optional 90+ CRI available.

Optics:

The back-lit extruded acrylic lens ensures high efficiency light output, in a minimal form factor for a clean, evenly illuminated lower surface with minimal glare.

Wall Wash:

Asymmetric extruded aluminum reflector with recessed extruded acrylic lens to achieve a superior wall uniformity while minimizing glare.

Electrical:

Class 2 programmable (factory pre-set) premium power supply, 120-277VAC input. Power factor >0.9. THD <15%. Integral Surge Protection to 2KV.

Dimming:

The 2C comes standard with 0-10V dimming down to 1%.

Emergency Battery Pack:

UL Listed 924 Emergency System has been engineered to exceed UL Minimum Safety Standards. Fixture/rows will be supplied with four wire line volt and two wire low volt feed wires. Normal fixture drivers will be wired to "black" switched hot lead with a "red" un-switched through-wire wired to EM battery pack units "qty to be specified" in nomenclature string. Contractor will determine which fixture is the main feed point and terminate fixture leads as appropriate. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 8' VHD, 10' HD and VHD, and 12' MD, HD, and VHD, only the first portion of the fixture will be illuminated by the EM battery pack.

Emergency Circuit:

Emergency Circuit fixtures are engineered so that the entire fixture is wired to the emergency circuit. Row Fixtures are constructed with an extra Hot and Neutral through wire. Emergency Circuit always powers the longest fixtures in the run first. "EC Quantity" refers to the number of fixtures in the run that are wired to the emergency circuit. For example, a 20' run with EC2 selected will be shipped as (2) 8' fixtures wired to the emergency circuit and (1) 4' fixture wired to the normal circuit.

GENERAL

Warranty:

Ten (10) Year limited warranty from date of shipment.

Lumen Maintenance:

Rated for 85% initial lumen output at 88,300 Hours of operation, operated at 25°C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

Certifications

All Luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations. All EM Units are UL 924 Listed.

MECHANICAL

Housing Construction:

Extruded Aluminum 6063-T5 alloy outer housing with die-formed steel internal components for strength, alignment, and mounting attachment. Our high-quality die-cast end caps are engineered to conceal all fasteners and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.

Alignment/Assembly:

The alignment system employs a four-point alignment and attachment method, designed to create straighter rows and minimize seams between sections (field assembled). Four alignment pins ensure the outer extruded aluminum rails are aligned, while a draw-screw secures housing-to-housing attachment. Additional alignment biscuits double as the light shields.

Lengths:

The 3C is available in a minimum 2-foot (nominal) length with additional 2-foot increments available. Longer fixture rows are available and will be configured per ALL factory specifications; typical rows are configured with 4-foot, 6-foot and 8-foot fixtures. Max run length on one power feed is 72'. Continuous runs over 72' will require 2 power feeds.

Mounting Method/Hardware:

The 3C is available for mounting upon any ceiling type, additional mounting hardware available by others.

Exterior Finish:

The 3C is available in White and Black polyester powder coat finish to ensure durability.

Integrated Controls:

The 3C is available with optional integrated controls. Sensors are conveniently designed to mount in aperture and are located at the power feed end of each fixture. For runs, each fixture section will be supplied with a discrete sensor that will control that specific section.

Shipping

2-Week lead time for orders up to 1000 Linear Feet.

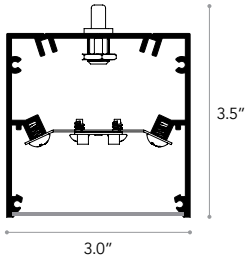
4-Week lead time for orders with a Black finish.

Lead time for orders greater and 1,000' will be determined at time of order.

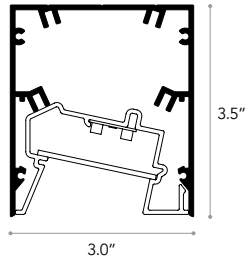
Manufactured in the USA

All ALL Luminaires and Components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

MOUNTING DETAILS



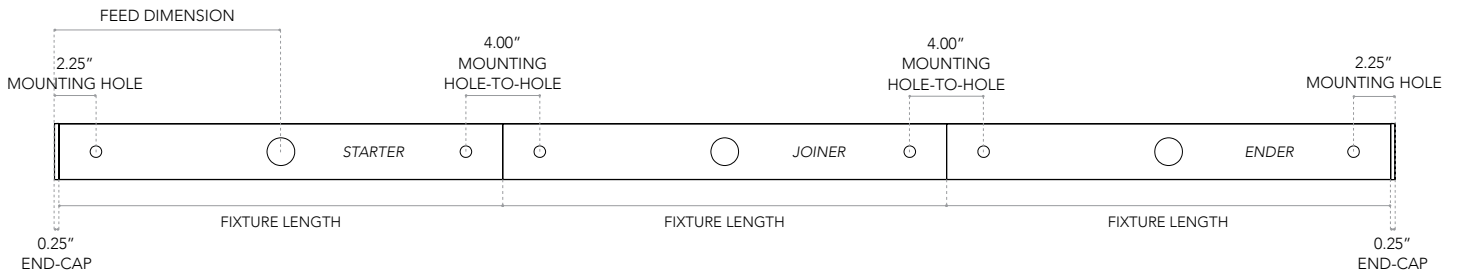
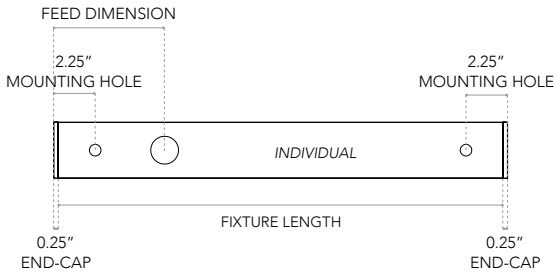
Ceiling Direct



Optional Wall Wash Optics

Not available with Lower Illuminated edge option

FIXTURE LAYOUTS INDIVIDUAL & LINEAR RUNS



FIXTURE LENGTH		
	INDIVIDUAL / STARTER	JOINER / ENDER
2'	24.031	5.75
4'	48.031	21
6'	72.031	36
8'	96.031	48
10'	120.031	60
12'	144.031	72

FIXTURE ROW COMPONENTS

RUN LENGTH (FT)	FIXTURE 1	FIXTURE 2	FIXTURE 3	FIXTURE 4	FIXTURE 5	FIXTURE 6	FIXTURE 7	FIXTURE 8	FIXTURE 9	JOINER KITS
2	2' I	-	-	-	-	-	-	-	-	0
4	4' I	-	-	-	-	-	-	-	-	0
6	6' I	-	-	-	-	-	-	-	-	0
8	8' I	-	-	-	-	-	-	-	-	0
10	10' I	-	-	-	-	-	-	-	-	0
12	12' I	-	-	-	-	-	-	-	-	0
14	6' S	8' E	-	-	-	-	-	-	-	1
16	8' S	8' E	-	-	-	-	-	-	-	1
18	4' S	6' J	8' E	-	-	-	-	-	-	2
20	4' S	8' J	8' E	-	-	-	-	-	-	2
22	6' S	8' J	8' E	-	-	-	-	-	-	2
24	8' S	8' J	8' E	-	-	-	-	-	-	2
26	4' S	6' J	8' J	8' E	-	-	-	-	-	3
28	4' S	8' J	8' J	8' E	-	-	-	-	-	3
30	6' S	8' J	8' J	8' E	-	-	-	-	-	3
32	8' S	8' J	8' J	8' E	-	-	-	-	-	3
34	4' S	6' J	8' J	8' J	8' E	-	-	-	-	4
36	4' S	8' J	8' J	8' J	8' E	-	-	-	-	4
38	6' S	8' J	8' J	8' J	8' E	-	-	-	-	4
40	8' S	8' J	8' J	8' J	8' E	-	-	-	-	4
42	4' S	6' J	8' J	8' J	8' J	8' E	-	-	-	5
44	4' S	8' J	8' J	8' J	8' J	8' E	-	-	-	5
46	6' S	8' J	8' J	8' J	8' J	8' E	-	-	-	5
48	8' S	8' J	8' J	8' J	8' J	8' E	-	-	-	5
50	4' S	6' J	8' J	8' J	8' J	8' J	8' E	-	-	6
52	4' S	8' J	8' J	8' J	8' J	8' J	8' E	-	-	6
54	6' S	8' J	8' J	8' J	8' J	8' J	8' E	-	-	6
56	8' S	8' J	8' J	8' J	8' J	8' J	8' E	-	-	6
58	4' S	6' J	8' J	8' J	8' J	8' J	8' J	8' E	-	7
60	4' S	8' J	8' J	8' J	8' J	8' J	8' J	8' E	-	7
62	6' S	8' J	8' J	8' J	8' J	8' J	8' J	8' E	-	7
64	8' S	8' J	8' J	8' J	8' J	8' J	8' J	8' E	-	7
66	4' S	6' J	8' J	8' J	8' J	8' J	8' J	8' J	8' E	8
68	4' S	8' J	8' J	8' J	8' J	8' J	8' J	8' J	8' E	8
70	6' S	8' J	8' J	8' J	8' J	8' J	8' J	8' J	8' E	8
72	8' S	8' J	8' J	8' J	8' J	8' J	8' J	8' J	8' E	8

LEGEND

I	Individual
S	Starter
J	Joiner
E	Ender