ALCON LIGHTING

SPECIFICATION SHEET

Shop Now

Project Name: _____ Type: _____ Quantity: _____

Alcon Lighting 12100-41 Architectural LED Linear Wet Location Direct/Indirect Light Fixture

INTENDED USE

Available for use in wet locations, our 12100-41 features multiple options for lumen output, driver type and is able to be ordered with custom finish. Available in Pendant, surface and wall mount, our 4 inch wide, wet location linear is suitable for commercial and residential applications. Pendant variant is capable of 360 degree rotation.

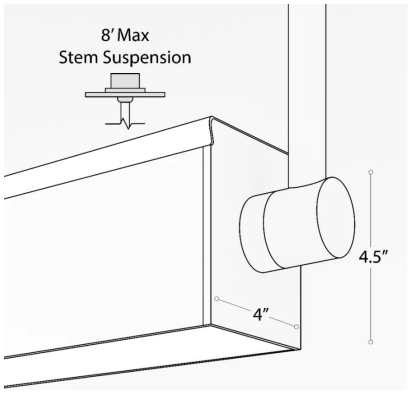


PRODUCT FAMILY

12100-41-P Pendant Mount
12100-41-W Wall Mount
12100-41-S Surface Mount

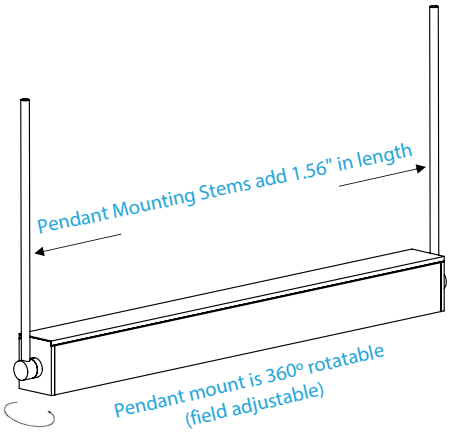
AVAILABLE LENGTHS

2FT, 3FT, 4FT, 6FT & 8FT
Continuous Run | Consult Factory
Custom Length | Consult Factory

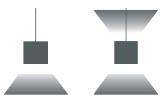


INTENDED USE

Construction: Die-formed and welded 22-gauge cold rolled steel, painted finish with premium paint
Continuous Run: Full ability to tandem mount for continuous run application
Indirect Mounting: For most effective indirect lighting result, mount at no less than 18" from the ceiling
Custom Design: Offered with pre-fabricated and fully illuminated corners
Lens: Glare-free frosted acrylic flat snap-in lens for even distribution
Voltage: 50/60 Hz Constant current 0-10V @ 120-277V, TRIAC & ELV @ 120V
Tunable White Smart Phone App: Bluetooth App for iOS and Android (See Page 4)
Dimming: 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)
Life: +60,000 Reported L70 Hours @ 55°C
Operating Temperature: 4°F (-20°C) ~ 122°F (50°C).
Warranty: 5 years (Dynamic Colors) carefree for parts & components. (Labor not included)
Listings: cULus Listed, UL listed for wet location



Pendant



D D/I

Surface



D

Wall



D D/I

SPEC GRADE | 5 YEAR WARRANTY | cULus | DIMMABLE | WET | ASSEMBLED IN USA | BUY AMERICAN ACT COMPLIANT

ORDERING INFORMATION

Example: 12100-41-P-D-D4W-B15-I4W-SR4-27K-D10-WH-ST2-T-CSWH-80-BT-W7-EM8

MODEL		**12100-41** 4" x 4" Wet Location Linear		
MOUNTING		**P** Pendant (360° field adjustable rotation) **W** Wall **S** Surface		
DOWNLIGHT OPTICS		**D** Direct **WW** Wall Wash	**DI** Direct / Indirect	
LED DOWNLIGHT[19] *Wattage & Lumens per foot*		**STATIC WHITE** **D4W** 4.5 Watts | 725 lms **D6W** 6.75 Watts | 1172 lms **D9W** 9 Watts | 1241 lms **D12W** 12 Watts | 1536 lms **D13W** 13.5 Watts | 1753 lms **Dx** Specify Lumens [17] (Min 113 lms - Max 2000 lms)	**TUNABLE WHITE** **TW-D4W** 4.5 Watts | 734 lms[14] **TW-D6W** 6.75 Watts | 924 lms[14] **TW-D9W** 9 Watts | 991 lms[14] **TW-D12W** 12 Watts | 1384 lms[14] **TW-D13W** 13.5 Watts | 1467 lms[14] **TW-D11W** 11 Watts | 1024 lms[15] **TW-D16W** 16.5 Watts | 1536 lms[15]	**RGBW** [13] **RGBW-D9W** 9.3 Watts | 563 lms **RGBW-D18W** 18.6 Watts | 1126 lms
UPLIGHT OPTICS		**Blank** Standard Lens	**B15** 15° **B30** 30° **B60** 60°	**B20** 20° Asymetric [20] **B120** 120° Batwing
LED UPLIGHT[1,2,19] *Wattage & Lumens per foot*		**STATIC WHITE** **Blank** Not Required **I4W** 4.5 Watts | 683 lms **I6W** 6.75 Watts | 976 lms [3]	**TUNABLE WHITE** **Blank** Not Required **TW-I4W** 4.5 Watts | 734 lms[14] **TW-I6W** 6.75 Watts | 924 lms[14] **TW-I4W** 4.4 Watts | 494 lms[15] **TW-I8W** 8.8 Watts | 988 lms[15]	**RGBW** [13] **Blank** Not Required **RGBW-I9W** 9.3 Watts | 563 lms **RGBW-I18W** 18.6 Watts | 1126 lms
SHAPE	(Specify in Feet)	**SRx** Single Run x = 2', 3', 4', 6' or 8' **CRx** Continuous Run x = Length		
COLOR TEMPERATURE		**STATIC WHITE** **27K** 2700K Warm White[18] **30K** 3000K Soft White **35K** 3500K Neutral White **40K** 4000K Cool White **50K** 5000K Daylight	**TUNABLE WHITE** **TW2750** 2700-5000K (Wired) [7] **TW2065** 2000-6500K (Wired) [7] **TW3065** 3000-6500K (Wireless) [4, 8, 21]	**RGBW** [13] **RGBW30** RGB + W (3000K) **RGBW40** RGB + W (4000K)
DRIVER		**STATIC WHITE** **D10** 0-10V 1% Standard **TRI** Triac (120V) **ELV** Electronic Low Voltage **ES566** eldoLED 0-10V SOLOdrive **BLS** Bi-Level Step 40/100% **BLSxx** Bi-Level Step xx/100% **TLS** Tri-Level Step 30/70/100% **TLSxxzz** Tri-Level Step xx/zz/100%	**TUNABLE WHITE** **050** Tunable White 0-10V [24]	**RGBW** [13] **RGBTW** RGBW & Wireless Tunable White [8] **RGBW-DMX4** 4-Channel DMX512 Decoder
FINISH		**WH** White (Matte) Standard **SL** Silver (Matte)	**BK** Black (Matte) **RAL#** Specify RAL # (Pg. 3)	
PENDANT MOUNTING		**Blank** Not Required	**ST2** 2' Stem [12] **ST4** 4' Stem [12] **STx** Specify x in Feet (Max 8') [12]	
PENDANT CEILING TYPE		**Blank** Not Required	**T** T-Bar Ceiling	**HD** Hard Ceiling **SHD** Hard Ceiling Sloped
STEM / CANOPY FINISH		**Blank** Not Required **CSWH** White Stem / White Canopy	**CSBK** Black Stem / Black Canopy	**RALSBK** Black Stem / Specify RAL # (Page 3)
CRI		**80** 80+ CRI	**90** 90+ CRI [9]	
CONTROLS		**STATIC WHITE** **Blank** Not Required	**TUNABLE WHITE** [4] **TW-BT** [22] iOS/Android Bluetooth App **TW-WWR-WH** [22] Wireless White Wall Remote **TW-DWS** [23] Dual Wall Switch	**RGBW** [13] **BT** iOS/Android Bluetooth App **RGBW-SZ** Wireless RF Remote Control Single Zone **RGBW-MZ** Wireless RF Remote Control Multi Zone **WCX-WH-UNV** DMX Wall 100-240VAC (White) **WCX-WH-5V DMX** Wall 5VDC (White)
WARRANTY		**Blank** 5 Year Warranty Standard	**W7** 7 Year Warranty	**W10** 10 Year Warranty
OPTIONS		**EM8** 8W Emergency Battery **EM15** 15W Emergency Battery **EM20** 20W Emergency Battery	**FEM** Fail-to-on Emergency UL924 **BGTD** Bodine Generator Transfer Device **COC** Chicago Code Compliance Separated EM Feed	

1 Only available for Pendant and Wall Mounts with General Downlight Optics
2 RGBW downlight can be paired with a static color temperature uplight or RGBW uplight
3 Only compatible with D6 & D12 Downlight Wattages
4 Wireless control must be specified (page 5)
5 Minimum Length of 2 Feet
6 Draw your custom shape and send us your idea to rfq@alconlighting.com
7 Must be Paired with 050 Driver
8 Must specify for RGBW & Wireless Tunable White 24V Driver
9 Not available for RGBW
10 For RGBW, AB is only available though RGBW-MZ control or RGBW-APP
11 Control system must be specified for this feature
12 Stem finish will be the same as fixture finish
13 Bluetooth app control or wireless control must be specified for this feature (cannot be combined)
14 Only for Wired Tunable White Control
15 Only for Wireless Tunable White Control
16 Not available for RT, RS, and RF mountings.
17 Max lumen for 6' & 8' lengths is 1467 lms.
18 Only available in 90CRI
19 Maximum wattage is 75W per 4 feet
20 Standard optic illuminates the wall. Optics can be field modified (reversed) to illuminate room.
21 Only compatible with DLO/DHO or ILO/IHO light direction options.
22 Only compatible with wireless color temperature options
23 Only compatible with wired color temperature options
24 Only for the Wired color temperature options, 24V driver should be specified for the Wireless option

Available Finishes

Standard

	Matte White	RAL #9003

Set up fee and longer lead time will be applied on non-standard finishes.

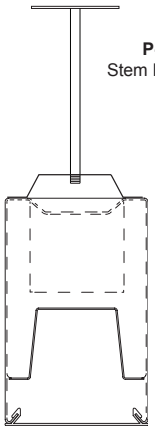
Metropolitan

	Black	RAL #9011
	Silver	RAL #9022
	Asher Grey	RAL #7004
	Mason	RAL #7039
	Slate	RAL #7031
	Tech Grey	RAL #7016
	Chocolate Spice	RAL #8017
	Urban Native	RAL #8025
	Carmin	RAL #8028
	Reseda Green	RAL #6011

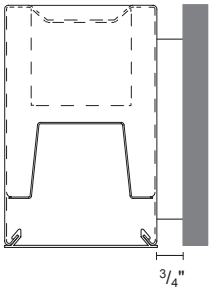
Vibrant

	Violet Dreams	RAL #4006
	Purple Red	RAL #3004
	Carmine Red	RAL #3002
	Rose	RAL #3017
	Pure Orange	RAL #2004
	Traffic Yellow	RAL #1023
	Daisy	RAL #1018
	Antique Spring	RAL #6019
	Island Skye	RAL #6027
	Sky Blue	RAL #5015

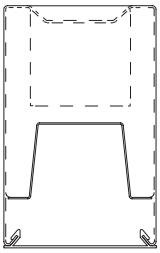
Mounting



P-ST
Stem Pendant



W - Wall



S - Surface

Controls

TW-APP | Bluetooth Smart Phone App (Wireless Only)

Smart Life **Tuya Smart**

Bluetooth	
Software	IOS 8.0 and up, Android 4.4 and up
App	Smart Life or Tuya Smart supported
Features	Group, Scences
Bluetooth Distance	> 49ft in open area
Additional Feature	Home Management / Third party control -> Alexa, Google Assistant (by others)

TUNABLE WHITE WIRELESS WALL REMOTE (Wireless Only)



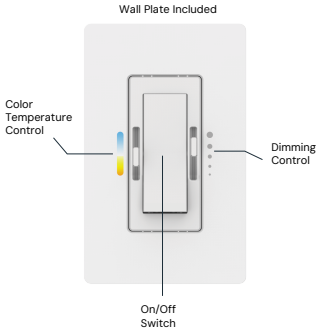
TW-WWR-WH (Wireless Wall Remote — White)

Dimensions	L 4.3" x W 2" x D 0.85"
Weight	0.1 lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Zone	4 zone
Range	98ft from fixture
Working Temp.	-4°F to 131°F (-20°C to 55°C)
* Battery	2 x AAA battery

* Not included.

Controls (Cont.)

TUNABLE WHITE TW-2N1-WH Dual Wall Switch (Wired Only)



Input:	120VAC ~ 60Hz
Max Load:	600W
Control:	0-10
Wired Tunable White:	TW2750 & TW2065

DMX Wall Touch Panel



RGBW-DMX

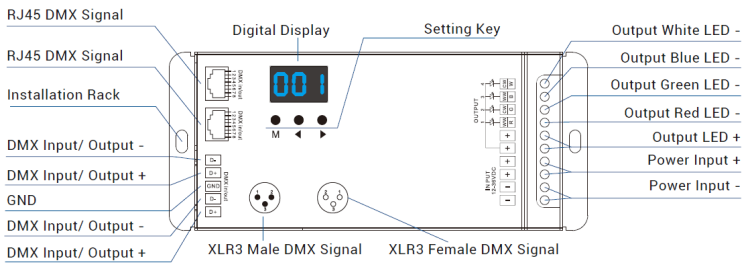
Zone	4 zone
Signal	DMX512 protocol
Input Voltage	100-240VAC
Dimensions	L 3.4" x H 3.4" x D 1.45"
Features	10 built-in mode, scene
Operating Temp.	-22ºF ~ 131ºF (-30ºC ~ 55ºC)



RGBW-DMX5V

Zone	4 zone
Signal	DMX512 protocol
Input Voltage	5VDC
Dimensions	L 7" x H 1.3" x D 1.9"
Features	12 built-in mode, scene
Operating Temp.	-22ºF ~ 131ºF (-30ºC ~ 55ºC)

RGBW-DMX | 4-Channel DMX512 Decoder



Dimensions	L 6.5" x W 2.7" x D 1.5"
Output Current	8A / 4 channels
Input Voltage	12-36V DC
Output Power	768W (24V)
Frequency	PWM output

Photometrics (for Dynamic Color Temperatures)

Direct

12100-41-D4-S-4

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	551 FC	3.9 FT	3.1 FT
3.3FT	146 FC	7.6 FT	6.1 FT
5.0FT	63.7 FC	11.6 FT	9.2 FT
6.7FT	35.5 FC	15.5 FT	12.3 FT
8.3FT	23.1 FC	19.2 FT	15.2 FT
10.0FT	15.9 FC	23.2 FT	18.4 FT

Vert. Spread: 98.4°
Horiz. Spread: 85.1°

12100-41-D13-S-4

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	985 FC	3.9 FT	3.1 FT
3.3FT	261 FC	7.6 FT	6.1 FT
5.0FT	114 FC	11.6 FT	9.2 FT
6.7FT	63.4 FC	15.5 FT	12.3 FT
8.3FT	41.3 FC	19.2 FT	15.2 FT
10.0FT	28.5 FC	23.2 FT	18.4 FT

Vert. Spread: 98.4°
Horiz. Spread: 85.1°

12100-41-D4-S-8

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	1,102 FC	3.9 FT	3.1 FT
3.3FT	292 FC	7.6 FT	6.1 FT
5.0FT	127 FC	11.6 FT	9.2 FT
6.7FT	70.9 FC	15.5 FT	12.3 FT
8.3FT	46.2 FC	19.2 FT	15.2 FT
10.0FT	31.8 FC	23.2 FT	18.4 FT

Vert. Spread: 98.4°
Horiz. Spread: 85.1°

12100-41-D13-S-8

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	1,970 FC	3.9 FT	3.1 FT
3.3FT	523 FC	7.6 FT	6.1 FT
5.0FT	228 FC	11.6 FT	9.2 FT
6.7FT	127 FC	15.5 FT	12.3 FT
8.3FT	82.7 FC	19.2 FT	15.2 FT
10.0FT	56.9 FC	23.2 FT	18.4 FT

Vert. Spread: 98.4°
Horiz. Spread: 85.1°

Direct/Indirect

12100-41-D4-I4-S-4

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	467 FC	3.9 FT	3.3 FT
3.3FT	124 FC	7.6 FT	6.5 FT
5.0FT	54 FC	11.5 FT	9.8 FT
6.7FT	30.1 FC	15.5 FT	13.2 FT
8.3FT	19.6 FC	19.1 FT	16.3 FT
10.0FT	13.5 FC	23.1 FT	19.7 FT

Vert. Spread: 98.1°
Horiz. Spread: 89.0°

12100-41-D13-I4-S-4

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	976 FC	3.8 FT	3.1 FT
3.3FT	259 FC	7.4 FT	5.9 FT
5.0FT	113 FC	11.3 FT	9.0 FT
6.7FT	62.8 FC	15.1 FT	12.1 FT
8.3FT	40.9 FC	18.7 FT	14.9 FT
10.0FT	28.2 FC	22.6 FT	18.0 FT

Vert. Spread: 96.9°
Horiz. Spread: 83.9°

12100-41-D9-I6-S-8

Illuminance at a Distance

	Center Beam FC	Beam Width	
1.7FT	1446 FC	4 FT	3.1 FT
3.3FT	384 FC	7.8 FT	6.0 FT
5.0FT	167 FC	11.7 FT	9.1 FT
6.7FT	93.1 FC	15.7 FT	12.2 FT
8.3FT	60.6 FC	19.5 FT	15.2 FT
10.0FT	41.8FC	23.5 FT	18.3 FT

Vert. Spread: 98.1°
Horiz. Spread: 89.0°

COLOR TEMPERATURE GUIDE

