

DUO Mini



Project: _____

 Type: _____

 Notes: _____



DUO Mini Downlight fixture . Designed with architectural appeal, high efficacy levels, perfected beam performance and easy installation. The DUO Mini recessed fixture simplifies installation with a light weight design using a 6” emitting area and shallow depth for easy integration into drywall or center of tile.

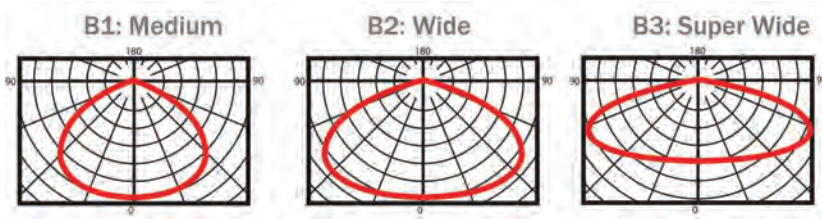
5 Year Warranty

Ordering Guide

DUOT1		CEILING TYPE		LENGTH		LUMENS/FIXTURE		BEAM	
ARON ID		G	Grid (Center of Panel)	DM6	6.75"	500	500 lm	B1	Medium
DUOT1	DUO Mini	DW	Drywall - Trim	DM9	9.75"	750	750 lm	B2	Wide
				DM12	11.75"	1000	1000 lm	B3	Super Wide
						1250	1250 lm		
						1500	1500 lm		
							**Consult factory for custom lumen packages		

COLOR / CRI		VOLTAGE		DRIVER		ACCESSORIES		FINISH		OPTIONS	
30K8	3000K - 80CRI	UNV	120-277V	DM	Factory 0-10V, Dim 1%	E5W	5W EM Battery	W	White	CCEA	Chicago Plenum Rated
30K9	3000K - 90CRI	347	347 V	DALI	Dali System	E10W	10W EM Battery	BLK	Black	IC	Independent Control of Sides
35K8	3500K - 80CRI	POE	Low Voltage PoE	DMX	DMX System			C	Custom		
35K9	3500K - 90CRI			BT	Bluetooth Control						
40K8	4000K - 80CRI										
40K9	4000K - 90CRI										
				**See Page 2 for Bluetooth Information. Consult Factory		**Integral battery with remote test button		**Contact factory for custom color			

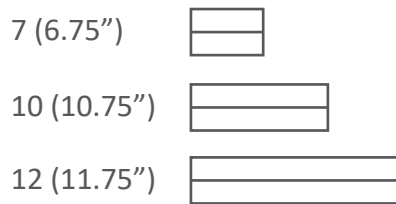
Optical Performance



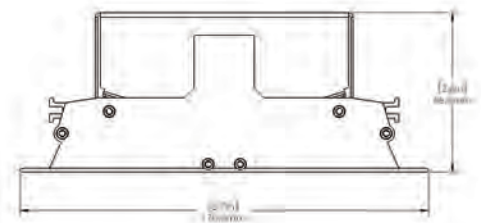
Lumens	Watts	Efficacy (lm/W)
500	4.3	115.6
750	6.6	113.3
1000	8.9	111.8
1250	10.1	123.4
1500	12.2	122.6

*All values at 3500K

Application Sizes



Dimensions



Height Dimensions

Construction

- Extruded aluminum housing
- Injection molded metal end caps
- Powder coated paint
- Galvanized sheet metal components
- Drwall and Center of Panel Installations

Optical

- Choice of 3 beam distributions
- Cast acrylic light guide
- Extruded volumetric diffuser
- Minimum 80 or 90 CRI
- 3000K, 3500K, 4000K
- ≤ 3 SDCM

Electrical

- Integral high efficiency driver
- 0-10V dimming (1%) standard
- Class 2
- Optional battery pack
- Add-on sensor ready (consult factory on sensor technologies)

Weight

- 6.75" = 2.0 lbs
- 10.75" = 3.0 lbs
- 11.75" = 3.2 lbs

Bluetooth Technology



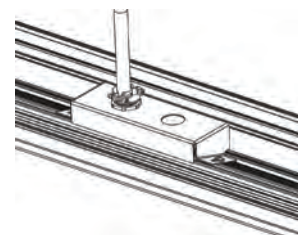
With our BubblyNet OEM partnership, realize the power of bluetooth lighting control! Offering wall controlers, integrated fixture sensors, tunable white/ rgbw control. Contact Factory for More Information



PoE Technology

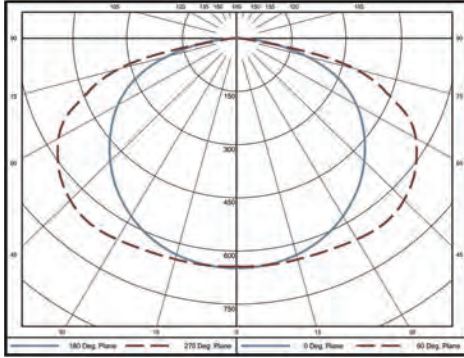


Our Partnerships with Igor and NuLEDs offer PoE Integration using low voltage cat 5, cat 6 cabling. Contact Factory For more Information.



Model Tested: DuoT1-2FA-2500-B2-3500K-80-UNV-DM

Photometric Curve



Candela Distribution

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	644.5	644.5	644.5	644.5	644.5
5	646.6	643.9	643	643.9	645
15	632.4	631.6	636	642.2	645.6
25	601.8	605.3	621.6	640.5	649.5
35	554	564.7	602	642.4	658.9
45	491.8	512.6	571.6	624	644.4
55	418.3	445.8	514.3	576.2	597
65	330.6	358.4	432.6	493.7	510.6
75	198.6	222.5	264.1	308.1	333.2
85	48.7	49.5	27.9	26	25.9
90	0	0	0	0	0

Zonal Lumens

Zone	Lumens
0-10	61.60
10-20	180.88
20-30	289.24
30-40	382.14
40-50	447.83
50-60	474.82
60-70	445.03
70-80	280.17
80-90	50.12

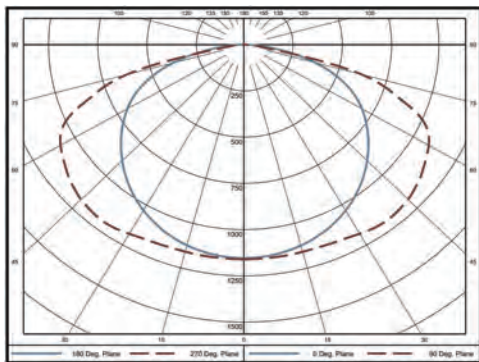
Luminance Data (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8476	9852	11110
55	8887	10930	12680
65	9532	12480	14720
75	9350	12440	15690
85	6809	3906	3620

Length: 2ft
 Lumens/ft: 1307
 Total Lumens: 2614
 Input Watts: 23.1 W
 Efficacy: 113.3 lm/W

Model Tested: DuoT1-4FA-5000-B2-3500K-80-UNV-DM

Photometric Curve



Candela Distribution

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1157	1157	1157	1157	1157
5	1150	1152	1154	1158	1159
15	1124	1129	1140	1153	1159
25	1073	1083	1114	1150	1167
35	994	1015	1083	1161	1195
45	890	926	1041	1138	1182
55	767	817	955	1073	1124
65	616	668	809	953	1018
75	381	421	480	567	621
85	93	85	57	58	60
90	3	5	6	7	7

Zonal Lumens

Zone	Lumens
0-10	110
10-20	323
20-30	516.5
30-40	682.4
40-50	799.7
50-60	847.9
60-70	794.7
70-80	500.3
80-90	89.5

Luminance Data (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8303	9714	11030
55	8815	10990	12920
65	9605	12620	15900
75	9702	12230	15820
85	7054	4306	4506

Length: 4ft
 Lumens/ft: 1266
 Total Lumens: 5064
 Input Watts: 41.3 W
 Efficacy: 122.6 lm/W