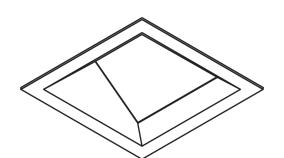


# **STATIC WHITE** D3 SQUARE FLANGED WALL WASH



Project:	
Comments:	
repared By:	

Single-point source produces high fidelity, 90+ CRI/R9 Whites.

Closed-loop color point maintenance to <1 MacAdam ellipse over lifetime and temperature

Integrated temperature protection maintains safe operating conditions

Wirelessly dimmable to 0.1%

On-board wireless control enables individual addressability and control

### HARDWARE ORDERING GUIDE

TRIM		HOUSING				
D3TFSW1	WW	D3WWSQ	W	W	NCIC	
Series Trim Color & Trim	Trim Lens	Fixture Watt & Trim	age Platform & Bea Color Point An		Housing Type	Shipping Option
	Code		Code			Code
Series and Trim		Fixture and Trim		Voltage		
3.75" Square	D3TFSW1	3.75" Square	D3WWS0	120VAC 60H	Z	11
Flanged Wall Wash	5311 3111	Flanged Wall Wash	1	220-277VAC (available Q		21
Trim Color		Wattage		220-277VAC		22
White	WH	9 Watts	09	(available Q	2.1/)	
Black	BK	13 Watts	13	Housing Typ	e	
		18 Watts	18		ction, IC/Airt	ight NCIC
Trim Accessory <sup>1</sup> (See diagram	n on page 3)	Platform & Color P	oint	Shipping Op	tion	
None	N	2700K	B27		Default, ships wit	
Solite Lens	S	3000K	B30	Butterfly Bracke be installed in fie	ts & 24" Nailer Ba eld)	rs to SP
Frost Lens	F	3500K	B35	Bulk Pallet w	/ Butterfly	
(None of the Trim Accessories list above can be used with Optic Acc		4000K	B40		ilable for qty's gre utterfly Bracket is	
		Beam Angle			/ 24" Nailer B	
		Wall Wash	WW	(available for gtv	s greater than 20	) BN

<sup>&</sup>lt;sup>1</sup> Downlight is wet location rated when trim is installed with lens.

770-000028-06 r1 Specifications are subject to change without notice



SPECIFICATIONS<sup>1</sup>

# **OPTICAL & ELECTRICAL PERFORMANCE**

В	eam Angle	9W	13W	18W		
	Wall Wash	414lm	573lm	705lm		
CRI (Ra)		>90 (R9>9	0)			
Lumen Maintenand	ce <sup>4</sup>	50,000 ho	urs to L70 @ 25	°C T <sub>A</sub>		
Color Spatial Unifo	rmity	<2 MacAdaı	m ellipses across	field angle		
Color Point Option	S	2700K, 300	OK, 3500K, 400	ок		
Equivalent Traditio	nal Lamp	75W halog	en			
Dimming Range⁵		0.1-100% lr	n			
Power consumptio	n	D3.09 9W D3.13 13W D3.18 18W				
Voltage		120VAC 60 220-277VA 220-277VA	C 60Hz			
Power Factor		>0.9				
Current		150 mA Ma	х			
Delivered Efficacy						
В	eam Angle	9W	13W	18W		
	Wall Wash	46lm/W	44lm/W	39lm/W		
Surge Protection		2.5KV				
Control Protocol		KetraNet Mesh				

# **ENVIRONMENTAL**

Operating Temperature (T <sub>A</sub> )	0 - 40°C
Storage Temperature	-20 - 80°C
Humidity	0 - 95%, Non-condensing
Certification	UL, cUL, RoHS, FCC Class B
Location	UL Wet Location

# **MECHANICAL**

Hanger Bars/ Butterfly Brackets
Yes
Yes
Yes
Powder Coated Steel, Polymer
Glass

#### **DIMENSIONS**

Ceiling Hole Diameter	4" Flanged
Trim Outside Diameter	4.5"
Trim Inside Diameter	3.75"
Trim Thickness	1/16"
Optics Outside Diameter	2.5"
Trim Depth	1"
Ceiling Thickness	0.625" - 1.5"
Aiming	Tilt Fixed at 20° 364° Rotation <sup>6</sup>
Service Position	Tilt to 40° Full 364° Rotation
Housing Vertical Adjustment via Butterfly Bracket	1.75"
Housing Height	3.50"
Housing Length	18.38"
Housing Width	10.07"

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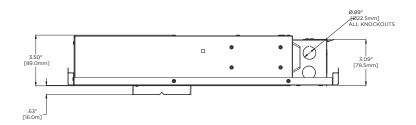
 $<sup>^{\</sup>rm 1}$  All performance measurements taken with 1" trim, with light engine at nadir at the low regress position, at 3000K, 25°C ambient, 100% power input, unless otherwise stated.

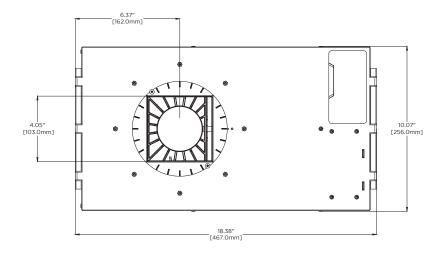
 $<sup>^{\</sup>rm 2}$  Lumen measurement complies with IES LM-79-08 testing procedures.

 $<sup>^{\</sup>rm 3}$  Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.

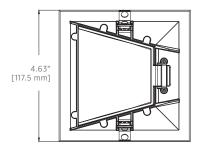
 $<sup>^{\</sup>rm 4}$  Intensity and color point controlled via Ketra's wireless network.

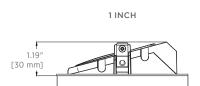
### HOUSING

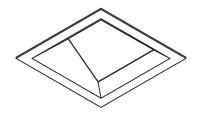




## TRIM







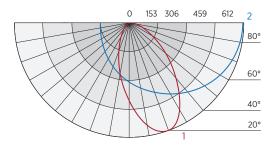
770-000028-06 r1 Specifications are subject to change without notice

### ISO FOOTCANDLE CHARTS: 2700K, 3000K, 3500K, OR 4000K, DELIVERED LUMENS

LM-79 compliant IES files available upon request.

**BEAM ANGLE: WALL WASH** 

Product Code <sup>1</sup>	Wattage	Lumens
D3WWSQ18BTWW	18W	714



- 1 Vertical plane through horizontal angles (0-180) (through max. cd.)
- 2 Horizontal cone through vertical angle (20) (through max. cd.)

2' from wall	2' on Center		3' on Center			4' on Center			
Distance from Ceiling	CL		CL	CL		CL	CL		CL
1′	30	29	30	21	20	21	17	14	17
2'	42	43	43	30	30	30	24	21	24
3'	43	45	45	32	31	31	25	23	25
4'	35	36	36	26	26	25	20	20	20
5′	25	26	27	20	19	19	15	15	15
6'	18	19	20	15	15	14	12	12	11
7'	14	14	15	11	11	11	9	9	9
8'	10	11	11	9	9	9	7	7	7
9'	8	9	9	7	7	7	6	6	6
10′	7	7	7	6	6	6	5	5	5

3' from wall	2' on Center		enter 3' on Center			4' on Center			
Distance from Ceiling	CL		CL	CL		CL	CL		CL
1′	14	15	15	11	11	11	9	8	9
2'	24	25	25	18	18	18	14	13	14
3'	30	31	31	22	23	23	18	16	18
4'	29	30	31	22	23	23	18	16	18
5′	25	26	26	19	20	20	16	14	16
6'	20	21	21	16	16	17	13	12	13
7'	16	17	17	13	14	14	11	10	11
8'	13	14	14	11	11	11	9	8	9
9'	11	11	11	9	10	10	8	7	8
10′	9	9	9	8	8	8	7	6	7

Calculated with five luminaires. Reflectances: 80, 50, 20. Values are rounded to the nearest footcandle.

 $770\text{-}000028\text{-}06\ r1$  Specifications are subject to change without notice

### STATIC WHITE D3 SQUARE FLANGED WALL WASH

#### **GENERAL SPECIFICATIONS**

LED downlight shall employ closed loop optical and thermal feedback capable of maintaining color point accuracy of <1 MacAdam ellipse.

LED downlight shall have color spatial uniformity of <2 MacAdam ellipses over full field angle.

LED downlight shall have an integrated wireless control onboard.

LED downlight shall be capable of a CRI >90 along the Black Body Curve at 2700K, 300K, 3500K, or 4000K.

LED downlight lamp shall be a single source multi-die emitter consisting of both monochromatic and phosphor converted blue LED dye.

LED downlight shall be sealed, meeting UL damp location (and UL Wet Location with Wet Location Trim) requirements.

LED downlight shall be dimmable to 0.1% of measured luminous flux with wireless dimming.

LED downlight shall be UL listed and RoHS compliant.

LED downlight shall be capable of in situ firmware and software upgrades.

Ketra LED Fixtures are warrantied to be free from material defects in material and workmanship for five (5) years or 25,000 hours from date of shipment, whichever is less.

LED D3 Fixture shall be #