

Dotz Hydra is a round wet label LED downlight with on board 0-10V dimming which can be installed recessed with 3 springs or panel mounted with 1.0" conduit nut on the threaded part of the body. It is available with a clear, frosted or opal lens and CNC machined trim in aluminum, brass or stainless steel.



MADE IN THE USA

Complies with LM79 and LM80
Complies with ARRA

Fixture Dimensions
See Drawing on page 2.

TECHNICAL DATA

Wattage / Input	1W, 3W (24VDC)
Power Supply	Remote, not included. See page 2.
Construction	Body: Die Cast Aluminum Lens: 3/16" Tempered Glass Cable Length: 2.0'
CCT	3000K, 4000K, 5000K (Static color on request)
CRI	>80
Delivered Lumens	24 lm (1W, 5000K, frosted, no optic) 8.3 lm (1W, 5000K, opal, no optic) 81 lm (3W, 3000K, clear, 25°) 42 lm (3W, 3000K, frosted, no optic) 14.4 lm (3W, 3000K, opal, no optic)
Efficacy	24 lm/W (1W, 5000K, Frosted) 8 lm/W (1W, 5000K, Opal) 27 lm/W (3W, 3000K, clear, 25°) 14 lm/W (3W, 3000K, frosted, no optic) 4.8 lm/W (3W, 3000K, opal, no optic)
Optics	6°, 25°, 6°x25° (only available on Clear Lens)
Finishes	7 Standard, See Below
LED Source	3W CREE LED
Fixture Dimensions	Ø2.36" x 4.19" I
Body	Ø1.16"
Cut-out Dimension	Ø1.25" (for flush trim), Ø1.5" (for stand off trim)
IP Rating	IP65, Weatherproof Gland

ORDERING INFORMATION

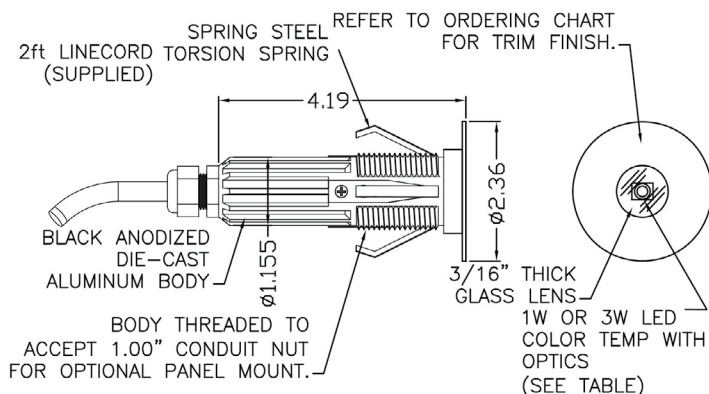
Example: HYD-3-30-T-0-11. Power Supplies ordered separately.

HYD	-	-	-	-	-	-
Model No.	Wattage	CCT	Lens	Optics	Finish	
HYD - Hydra	1 - 1W 3 - 3W	30 - 3000K 40 - 4000K 50 - 5000K <i>Note: Static Red, Green, Blue, Amber on request.</i>	T - Clear Tempered Glass G - Frosted Glass X - Opal Glass	0 - None 1 - 6° Spot 2 - 25° Medium 3 - 6°x25° Asymmetric <i>Note: Optics are for use with "T" Clear glass lens. No optics are used with "G" Frosted and "X" Opal glass lens.</i>	00 - Semi-Gloss Black 02 - Black Suede TS - Silver 11 - White Suede 96 - Clear Anodized Satin Aluminum PN - Polished Nickel SS - Stainless Steel	

Job Name/Date:

Fixture Type Designation:

FIXTURE DIMENSIONS



SUGGESTED POWER SUPPLIES

24VDC

Part Number	Description	Input/Output	# of Fixtures	
			1W	3W
PPLT00284	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, DAMP	1-80	1-26
PPLT00543	0-10V Dimming to 15% (-40°C / -40°F cold weather start)	120-277VAC to 24VDC, 100W, Class 2	10-80	4-26

Suggested Lutron Compatible

Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures	
						1W	3W
PPLT00530	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 96W, Class 2	1-76	1-25

DRIVERS IN NEMA ENCLOSURE

Remote 24VDC - ELV / TRIAC / 0-10V



PPLT00715

Part Number	Description	Input/Output	# of Fixtures	
			1W	3W
PPLT00715	ELV / TRIAC / 0-10V Dimming to 0.1%	120-277VAC to 24VDC, 96W, Class 2, WET/DAMP	1-76	1-25

For other power supply options consult factory.

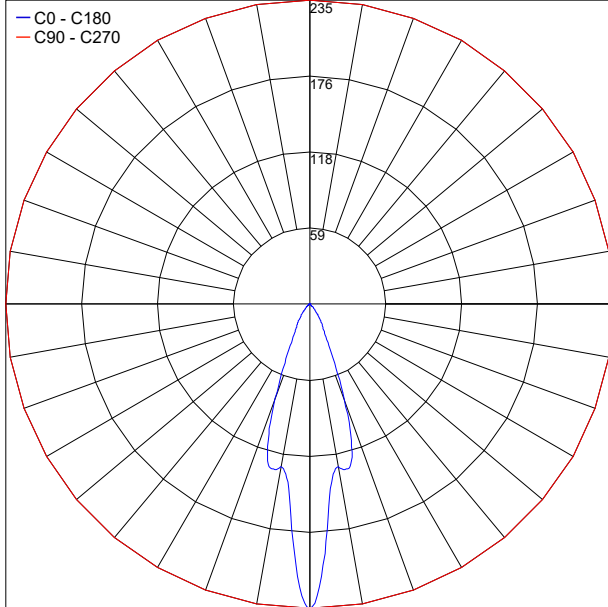
Job Name/Date:

Fixture Type Designation:

PHOTOMETRIC DATA

Dotz Round 3W 3000K Clear Lens - Medium Optic

Maximum Candela = 235



FILENAME : DOTZ 1X3W 3000K ROUND CLEAR LENS MEDIUM OPTIC LTL21264.IES

LTL TEST #21264

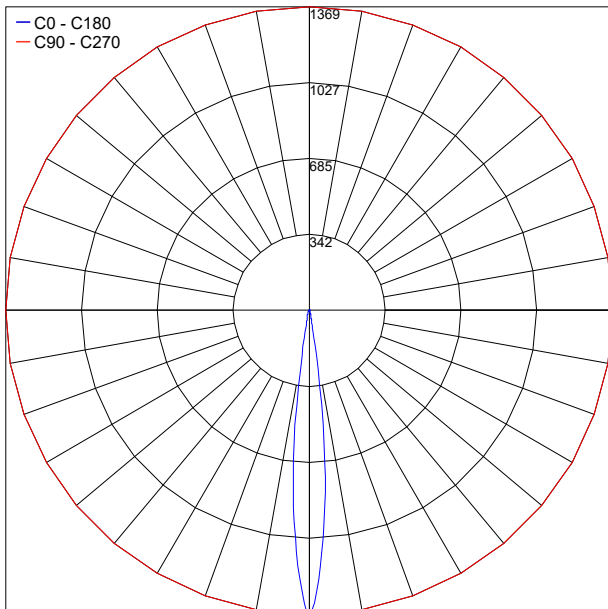
CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	6.5	3.0
8.0	3.7	4.0
10.0	2.3	5.0
12.0	1.6	6.0
14.0	1.2	7.1
16.0	0.9	8.1

NOTE: 'Dia' spans the edge-points
that are half of nadir FC

Dotz Round 3W 3000K Clear Lens - Narrow Optic

Maximum Candela = 1369



FILENAME : DOTZ 1X3W 3000K ROUND CLEAR LENS NARROW OPTIC LTL21260.IES

LTL TEST #21260

CIRCLE-OF-LIGHT

Ft below	FC nadir	Dia @ 50%
6.0	38.0	1.2
8.0	21.4	1.7
10.0	13.7	2.1
12.0	9.5	2.5
14.0	7.0	2.9
16.0	5.3	3.3

NOTE: 'Dia' spans the edge-points
that are half of nadir FC

Job Name/Date:

Fixture Type Designation: