

DOWNLIGHTS (ROUND)

FEATURES

CONSTRUCTION

- Side lit design for an ultra thin profile
- Insulation contact (IC) rated
- IP44, suitable for damp or dry locations
- Wide beam angle (120°) for better spacing
- CE and cULus Rated
- RoHS compliant
- 100% Acrylic LGP (for long-term color stability)
- Polycarbonate diffuser
- 5 year warranty (standard)

ELECTRICAL

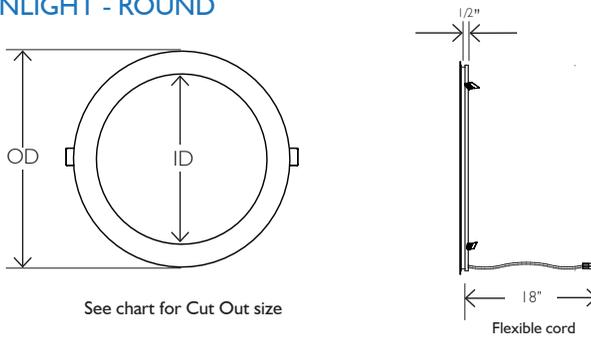
- Dimmable (via driver or using PWM) ⁽¹⁾
- Constant voltage design allows for multiple lights per driver
- LM-80 and LM-79 available
- Downlights can be placed within 50 feet of driver
- Long life over 50,000 hours, L₇₀

Project Name	
Date	
Type	



Part Numbers: (lights, options)	

DOWNLIGHT - ROUND



PRODUCT SIZE AND ENERGY USAGE ⁽²⁾						
Product Size	Depth	OD	ID	Cut Out	CQ and HE	
					WDC	WAC
4"	1/2"	4 1/2"	2 5/8"	3 5/8"	4	4.5
6"	1/2"	7"	5 1/4"	6 3/8"	7	8.0
8"	1/2"	9 1/2"	7 1/2"	8 3/4"	10	11.5
12"	1/2"	11 3/4"	9 5/8"	11 1/4"	11.5	13.5
24"	1/2"	24"	23"	23 1/2"	33	38

LCLCV 6 30 W - HE

Style	Size	CCT Options	*Frame Color	Model
LCLCV - Round Downlight, Constant Voltage	4 - 4"	30 - 3000K	W - White B - Black ⁽³⁾ S - Silver ⁽³⁾	CQ - Color Quality: CRI >90, R9 >50 HE - High Efficiency: CRI >80, R9 >5
	6 - 6"	35 - 3500K		
	8 - 8"	40 - 4000K		
	12 - 12"	50 - 5000K		
	24 - 4"			

Use With

DRIVERS	
LD16	LD60
LD25	LD90
LD40	LD100P

*NOTE: Custom colors or custom sizes may result in additional cost and/or lead times.

CQ LUMEN CHART

The TILT CQ line is designed to provide high color rendering with a more complete spectral distribution.

CQ - COLOR QUALITY MODEL						
CRI >90, R9 >50						
CCT		4"	6"	8"	12"	24"
5000K	Lumens	250	650	875	1125	3250
	L/W	60	79	82	84	90
4000K	Lumens	225	625	850	1120	3100
	L/W	55	77	80	83	87
3500K	Lumens	225	600	850	1090	3050
	L/W	52	76	79	81	86
3000K	Lumens	200	550	775	1015	2728
	L/W	47	68	71	76	76

HE LUMEN CHART

The TILT HE line is designed to provide a balance of light quality and energy efficiency.

HE - HIGH EFFICIENCY MODEL						
CRI >80, R9 >5						
CCT		4"	6"	8"	12"	24"
5000K	Lumens	270	725	975	1330	3675
	L/W	66	88	90	89	101
4000K	Lumens	250	725	975	1325	3650
	L/W	64	88	90	97	100
3500K	Lumens	250	700	950	1315	3650
	L/W	62	87	91	96	100
3000K	Lumens	250	700	950	1275	3550
	L/W	61	87	91	95	99



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DRIVER SPECIFICATIONS

Class 2, SELV, UL8750, short circuit, over voltage, over current and over temperature protection. CE rated, RoHS compliant and plenum rated (UL 2043). NOTE: Drivers are available in an Emergency version: battery back-up - 90mins at 7W output. See our LDPE7 data sheet for details.

Model	Size in Inches (LxWxH)	AC Input	Output (VDC/W)	Dimmable ⁽¹⁾	Working Temp					
						4"	6"	8"	12"	24"
LD16	3.0"W x 12.0"L x 1.5"D	90 - 305V	24 / 16W	Yes	-35~70C	4	2	1	1	0
LD25	3.0"W x 12.0"L x 1.5"D	90 - 305V	24 / 25W		-35~70C	6	3	2	2	0
LD40	3.0"W x 12.0"L x 1.5"D	90 - 305V	24V / 40W		-40~70C	10	5	4	3	1
LD60	3.0"W x 12.0"L x 1.5"D	90 - 305V	24V / 60W		-40~70C	15	8	6	5	1
LD90	3.0"W x 12.0"L x 1.5"D	90 - 305V	24V / 90W		-40~70C	20	12	9	8	2
LD100P	2.6"W x 14.0"L x 1.6"D	90 - 305V	24V / 100W		-40C - 60C	25	14	10	9	3

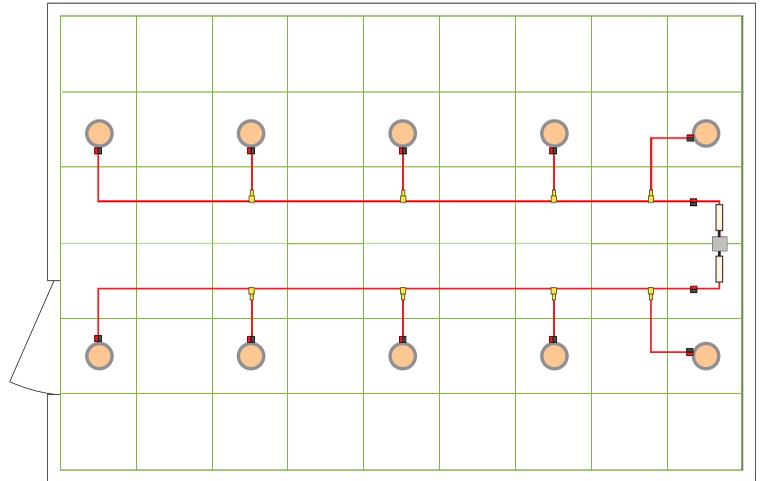
SAMPLE LAYOUT

Between 150 sq ft and 300 sq ft. centralized drivers (2'x4' panel) and multi-drive branch circuit (6" downlights).

SPECIFICATIONS

Foot Candles
35 (6" downlights)
(0.4L/Sq.Ft.)
Wattage
100 (6" downlights)

Parts List
10 PCS - LCLCV6
2 PCS - LD60
2 PCS - DL20
8 PCS - SW24



PHOTOMETRICS

Photometric charts with testing data.

LCLCV440W-HE		ZONAL LUMEN SUMMARY		4"	6"	8"	12"	24"
PHOTOMETRY		DEGREES	%					
	0-30	28		70	203	273		1022
	0-40	46		115	334	449		1679
	0-60	80		200	580	780		2920
	0-90	100		250	725	975		3650
	90-180	0		0	0	0		0
	0-180	100		250	725	975		3650

Call for specific information not listed here: 855.440.8458



NOTES (NUMBERS)

- (1) See driver or dimming product sheet for specific details
- (2) AC W used for circuit power, DC W used for driver circuit
- (3) Frame colors other than white are custom



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