



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Dialight

PWAR CIRCULAR LIGHT ENGINE MODULE PWAR/PWARD



APPLICATION

- ▲ Spot lighting
- ▲ Accent lighting
- ▲ General illumination
- ▲ Interior use only
- ▲ Architectural lighting
- ▲ Machine vision
- ▲ Display cases

All applications require additional heatsink. For factory fitted heatsink see AR111 / AR111-LV datasheet.

ORDERING INFORMATION

PWARD-C1-AA-BB	
Typical Colour (AA) Temperature	Options
CW = 5000K – 6350K NW = 3800K – 4100K WW = 2850K – 3250K	Blank = no onboard driver D = with onboard driver
Optic (BB)	
SP = 7 degree spot WD = 13 degree wide <i>All angles are half divergence</i>	

Dialight Europe Ltd

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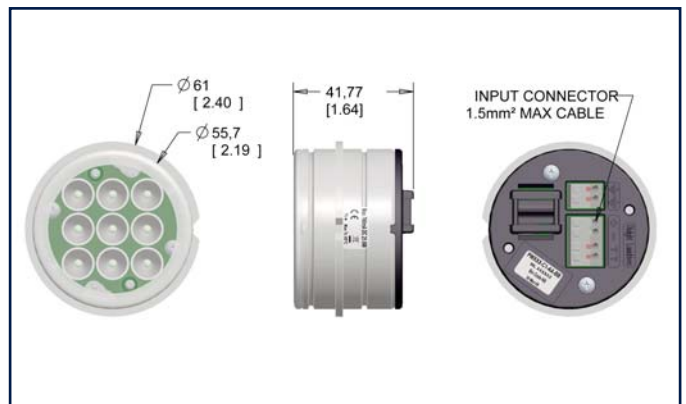
FEATURES / BENEFITS

- ▲ Utilizes 9 premium flux LUXEON® Rebel™ LEDs, 100+ lumens for cool white, 100+ lumens for neutral white and 50+ lumens for warm white
- ▲ Allows for custom heatsink or fixture design
- ▲ ETL recognized to UL standards (pending)
- ▲ Available in choice of colours & colour temperatures
- ▲ Quick connect terminal blocks for easy installation
- ▲ >70% lumen maintenance @ 50,000 hours at max operating temperature. Better at lower operating temps!

MATERIALS / FINISH

- ▲ **Casing** - ADC10 Aluminium Alloy
- ▲ **Finish** - Anodised Satin Silver
- ▲ **Connection** - Cage Clamp Connectors
- ▲ **Optics** - Dialight-Lumidrive Optics
- ▲ **Lens Cover** - Polycarbonate 143R
- ▲ **Rear Cover** - Polycarbonate 143R

MECHANICAL DIMENSIONS



Diameter x H
 61mm x 41.8mm (2.40" x 1.65")
 Maximum Cable Dia - 1.5mm² / 16 AWG

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OPERATING CHARACTERISTICS

Model / Color	Typical Total Lumen Output		Power Consumption		Drive Current / Operating Current	Input Voltage
	350mA / LV	700mA	350mA / LV	700mA	mA	
PWAR / CW	900	1620	10.8W	21.6W	350 - 700	*30 -36VDC
PWAR / NW	900	1620				
PWAR / WW	450	855				
PWARD / CW	900	-	11.0W	-	**1.0A - 500mA	12-24VDC 11-16VAC
PWARD / NW	900	-				
PWARD / WW	450	-				

Note: Lumen output based on manufacturers data

*Based on max Vf of 4.0V

**1.2A for initial switch on

OPERATING CONDITIONS

- ▲ Max case temp = 85°C @ 350mA
- ▲ PWAR requires constant current driver
PWARD requires constant voltage driver
(See compatibility list)
- ▲ Max drive current 700mA (constant current version)
- ▲ Modules require additional heatsinking for lumen maintenance figures.
- ▲ IP20 rating

HEATSINK PERFORMANCE NOTE

Any custom designed heatsink must maintain a maximum case temperature of 85°C or less for the required working ambient temperature.

COMPATIBLE DRIVERS

Compatible Dialight Lumidrive Constant Current Drivers:-				Compatible Dialight Lumidrive Constant Voltage AC/DC Drivers:-			
Driver	350mA	700mA	NO. OF UNITS	Driver	12V	24V	NO. OF UNITS
MDU 9 (MDU9-35-70)	✓	✗	1	MULTIDRIVER (MLD8-C-35-70)	✓	✗	1
MINIDIM 70 (MND70)	✓	✗	1	MVDU100-12-P	✓	N/A	1— 8
36W 700mA IP65 Driver (MCDU36-700-P)	✗	✓	1	MVDU100-24-P	N/A	✓	1— 5

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Datasheet subject to change without notice.

Please visit www.dialight.com for updates.