CLA162 (19Watts)

Ø150mm Adjustable LED Downlight, 3 or 4-Colour (Fits Ø133mm cutout)

- **High output, low profile**
- **Low power, high efficiency**
- **Low Glare**
- **Long life - 50,000hrs typical**
- **High reliability, maintenance free**
- **Wide range of ultra bright LED colours**
- **Adjustable angle**

Description

High performance adjustable downlight, constructed from powder-coated die cast aluminium housing with reflector. Depending on the wiring / control format, these LED lights are terminated with a 1 metre, 5, 6 or 8-core, flying lead (other lengths available). Fitted with a 3 or 4-colour LED COB cluster. Easy-to-mount spring clip fastening. Must be connected to a 350mA (RGB) or 500mA max. (RGBW) constant current driver and DMX512 interface.

Characteristics

Optical & Electrical

	3-Colour Cluster - RGB			4-Colour Cluster - RGBW			
	Red	**Green**	**Blue**	**Red**	**Green**	**Blue**	**White**
No. of LED chips	7	6	6	4	3	3	3
nm/CCT	620-630nm	518-528nm	459-468nm	620-630nm	518-528nm	459-468nm	7500K
Typical Voltage	15.4VDC	19.2VDC	19.2VDC	9.2VDC	9.9VDC	10.0VDC	9.5VDC
Max. Running Current	350mA max. per colour			500mA max. per colour			
Power	5.4W	6.7W	6.7W	4.6W	5.0W	5.0W	4.8W
Output	230lm	350lm	105lm	155lm	285lm	105lm	355lm
Total Power	18.9W max.			19.4W max.			

(Must be connected to a 3-channel 350mA (RGB) or 4-channel 500mA (RGBW) constant current LED driver.)

Mechanical

Body Depth = 182.0mm
Bezel Outer Diameter = ∅150.0mm
Ceiling Cutout = ∅133.0mm
IP Rating = IP20
Weight = 0.62kg
Ambient Operating Temp. = -15 to +35°C
Adjustment Angle = 0° to 30°
Termination = 1 metre, 5, 6 or 8-core black PVC cable, 0.22mm² CSA, 5.5mm O.D. (ref: W503, W600 or W800)
Luminaire Classification = Class III
(In accordance with BS EN 60598-1:2008)

Selection Guide

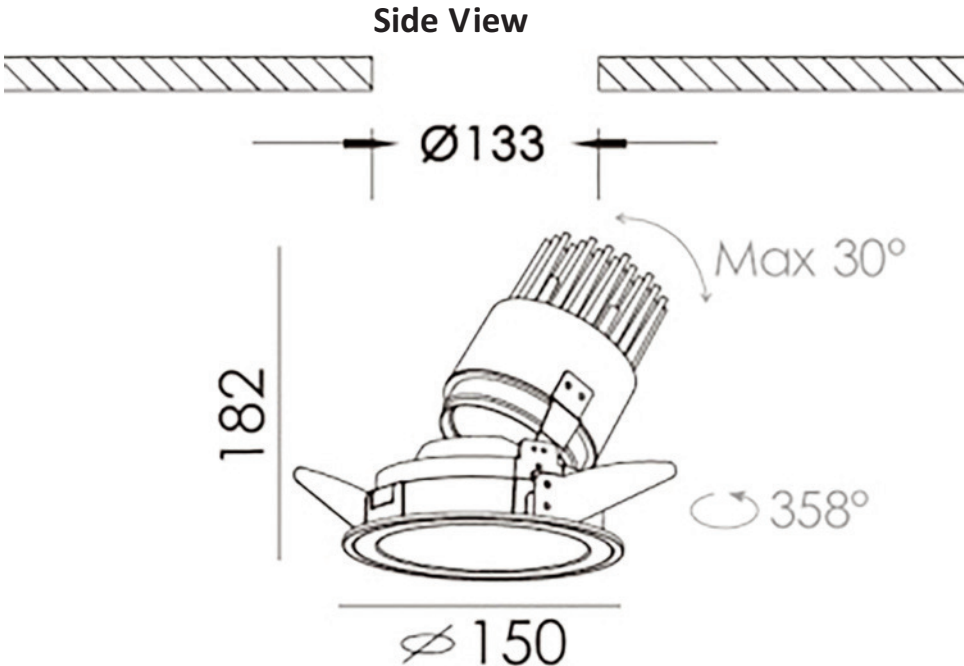| CLA162-	PW-	RGBW-	MA-	500-	1M
Product Series	**Housing**	**LED Colour**	**Output Angle**	**Current**	**Cable Length**
CLA = High Powered Downlight	**PW**= Powder Coated White (e.g. RAL9010)	**RGB** = Red, Green & Blue **RGBW** = Red, Green, Blue & White	**MA**= 36° Output	**350** = 350mA (for RGB) **500** = 500mA (for RGBW)	**1M** = 1 Metre Cable **5M** = 5 Metre Cable

Example CLA162-PW-RGBW-MA-500-1M (CLA162, Powder Coated White, 4-Colour (RGBW), Medium Output Angle, 500mA, 1 Metre Cable)
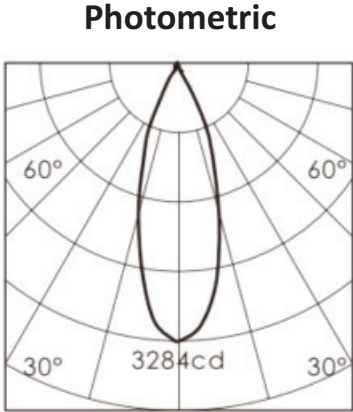
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Mechanical & Photometric Details

Side View

Ø133

Max 30°

182

358°

Ø150

Ceiling/Panel cutout is ⌀133mm

Photometric

60°   60°
30°   3284cd   30°

*Medium angle 36 degree optic (**MA**) shown here.*

Other optic angles are available.

Typical Wiring Detail

CLA162 3-Colour Version Wiring Shown here:

DMX512 Decoder
(350mA or 500mA)
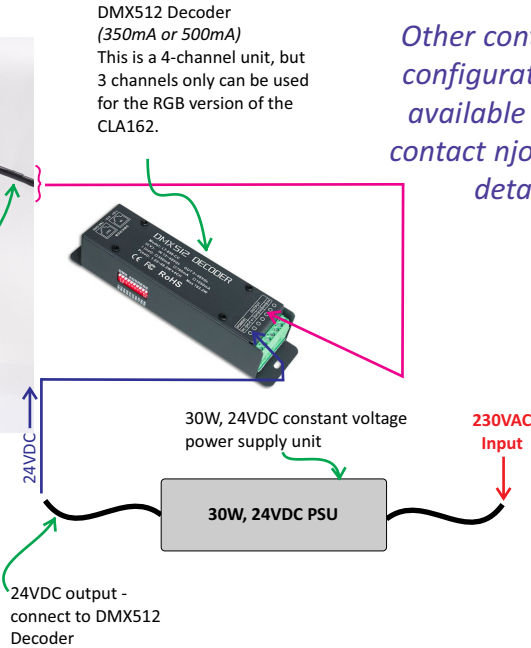This is a 4-channel unit, but 3 channels only can be used for the RGB version of the CLA162.

Other control gear configurations are available - please contact njo Sales for details.

24VDC

30W, 24VDC PSU

30W, 24VDC constant voltage power supply unit

230VAC Input

24VDC output - connect to DMX512 Decoder

RGBW LED Cable Core Identification:

LED Colour	+ve	-ve
Red	Yellow	Red
Green	White	Green
Blue	Black	Blue
White	Purple	Brown

RGB LED Cable Core Identification:

LED Colour	+ve	-ve
Red	Yellow	Red
Green	White	Green
Blue	Black	Blue

The appearance and specifications of the product may be modified for improvement without notice.