Colordreamer

LED Slim Wall Washer-W36

Static White/RGBW

Client	
Project	
Order Code	
QTY	

Static White

RGBW 4IN1

Products and specifications are subject to change without notice
Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of Individual product that may differ from the typical values.

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Thank you for purchasing the Colordreamer LED Wall Washer

Our manual will describe the installation and mounting of the product as well as a description of how to use it.
Please read and understand this manual in its entirety before using the product.

Product Warranty is void if product is not installed as per installation instructions and in compliance with all local and provincial codes.

SAFETY RECOMMENDATIONS AND WARNINGS

Do not make modifications or alter the product

Keep away from flammable material.

Do not hose or pressure clean.

Do not use any silicone or other chemicals on outside surface.

Do not use chemicals or abrasives to clean the luminaires as this many voids the warranty.

Ensure installation complies with local electrical rules and regulations.

Ensure mains input power is surge protected

Do not connect or disconnect the luminaire while the power is connected.

Connectors are to be kept clean and dry at all times.

Input Voltage range 20-24VDC

Once installed, all connectors are to be mated and a terminating plug or end cap is required on the last fitting of run.

When placing the luminaries in an end-to-end setup, be sure to leave a minimum gap of 10mm to allow the thermal expansion

Colordreamer Products are cooled by convection. Provide adequate ventilation by providing free air flow around.

If the ambient temperature around the luminaires exceeds 55degrees, do not use the products and turn off the system.

Power off the luminaires during service or when not in use.

www.colordreamer.com   Email:info@colordreamer.com   Version:Feb 2022
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Product Overview

The Colordreamer W36 LED Washer is a IP66 rated exterior compact linear grazing luminaire with high output brightness.

Product Specification

Models	W361002401	W361002404
LED		
Color	Static White/Tunable White	RGBW
Light Source	CREE High Power LED	CREE High Power RGBW 4IN1 LED
LED Source Color	W:2700K W:3000K W:4000K W:5700 W:6500K	R:619-624nm G:520-535nm B:460-475nm W:3000K/4000K/5700K
CRI for White LED	Ra>80	Ra>80
LED QTY	24LEDs per meter	24LEDs per meter
Performance		
Lumen Output	2880lm	1900lm
Efficacy	80lm/W based at 3000K	52lm/W based at RGBW(W3000K)
Beam Angle	10°Narrow 15°Narrow Medium 30°Medium 40°Wide 55°Wide Flood, 10*45°Oval 10*60°Oval 15*45°Oval	22°Spot Beam 40°Medium Beam 22+42°Oval Beam
Electrical		
Input Voltage	21-24VDC	21-24VDC
Power Consumption	36W per meter 11W per feet	36W per meter 11W per feet
Control		
Protocols	Light on off PWM Dimmable DMX512 Control	DMX512 Control
Addressing	Manual Addressing with Colordreamer Addressing Tool	
Pixels	1Pixel per fitting	1Pixels per meter 4Pixels per meter
Physical		
Housing	Aluminum 6063 with Tempered Glass	

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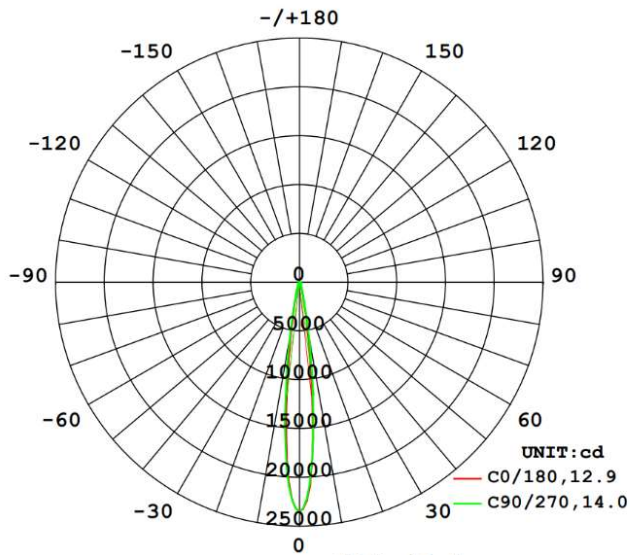
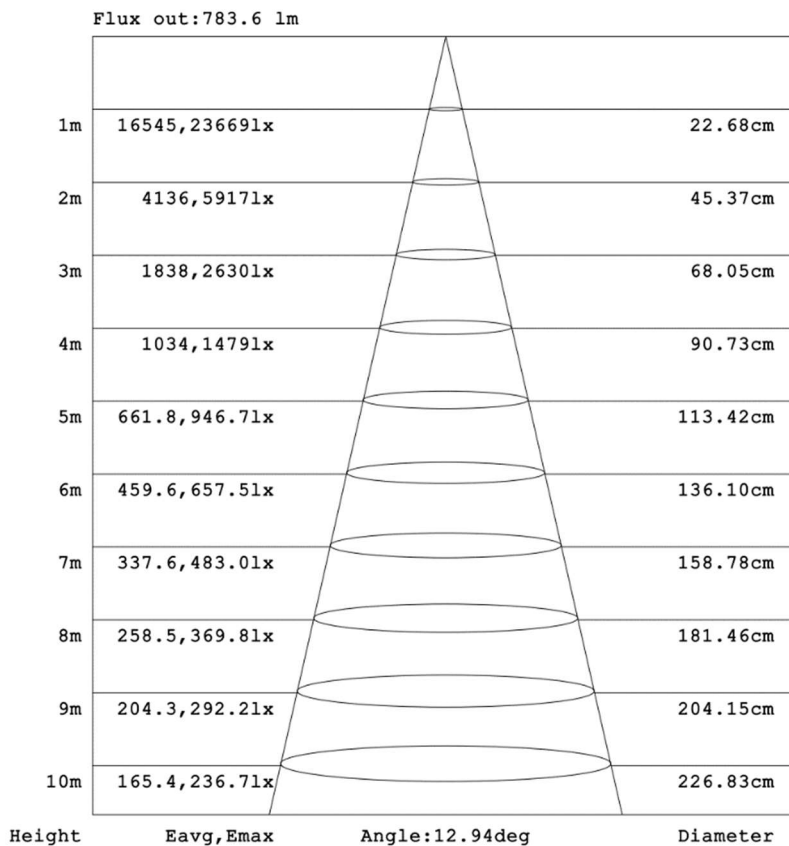|	
Finish Color	Powder coating, Black/Grey Silver or Custom RAL Color
Dimensions(LXWxH)	1000*34*27mm (exclude brackets)
Dimensions(LXWxH)	1000*55*70mm (include brackets)
Length	500mm/1000mm 305mm/610mm/915mm/1220mm
Cable Entry	Bottom Entry
Mounting	Surface Mounting
Accessory	Asymmetric Louver/Symmetric Louver
Packing	Update soon
Environment	
Operating Temperature	-30℃ to +50℃
Storage Temperature	-40℃ to +70℃
Humidity	0-90% non-condensing
IP Rating	Dry, Damp, Wet locations IP67
Certification and Safety	
Certification	CE
Wrranty	2Years Limited Warranty from the Date of Manufacture Contact us if you need extended warranty

Remark: The given data of CCT, beam angles, lumen output and electrical power are typical value. Due to the tolerances of the production process and the electrical components, the values can vary up to 10%.
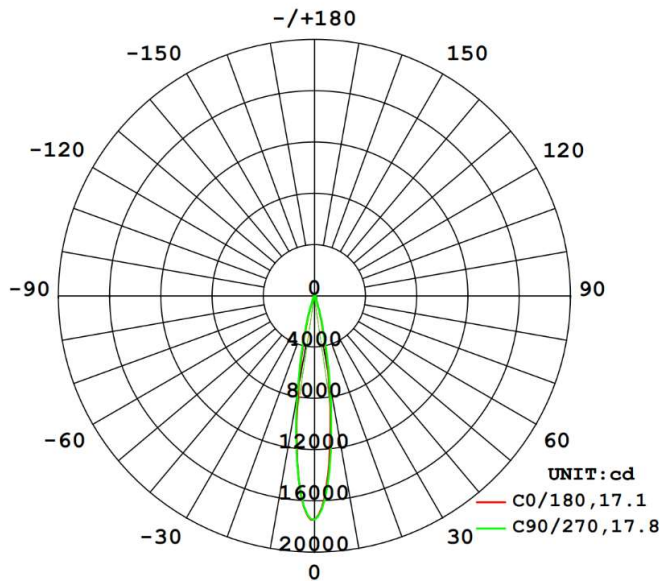
Photometrics

Luminous Intensity Distribution Diagram
W361002401 4000K 10° Narrow Beam

```
              -/+180
      -150            150
   -120                    120

 -90           0            90
              5000
             10000
   -60       15000         60
             20000      UNIT:cd
      -30    25000    30  ── C0/180,12.9
              0           ── C90/270,14.0
```

The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance

Flux out:783.6 lm

Height	Eavg,Emax	Angle:12.94deg	Diameter
1m	16545,236691x		22.68cm
2m	4136,59171x		45.37cm
3m	1838,26301x		68.05cm
4m	1034,14791x		90.73cm
5m	661.8,946.71x		113.42cm
6m	459.6,657.51x		136.10cm
7m	337.6,483.01x		158.78cm
8m	258.5,369.81x		181.46cm
9m	204.3,292.21x		204.15cm
10m	165.4,236.71x		226.83cm

Luminous Intensity Distribution Diagram
W361002401 4000K 15° Narrow Medium Beam

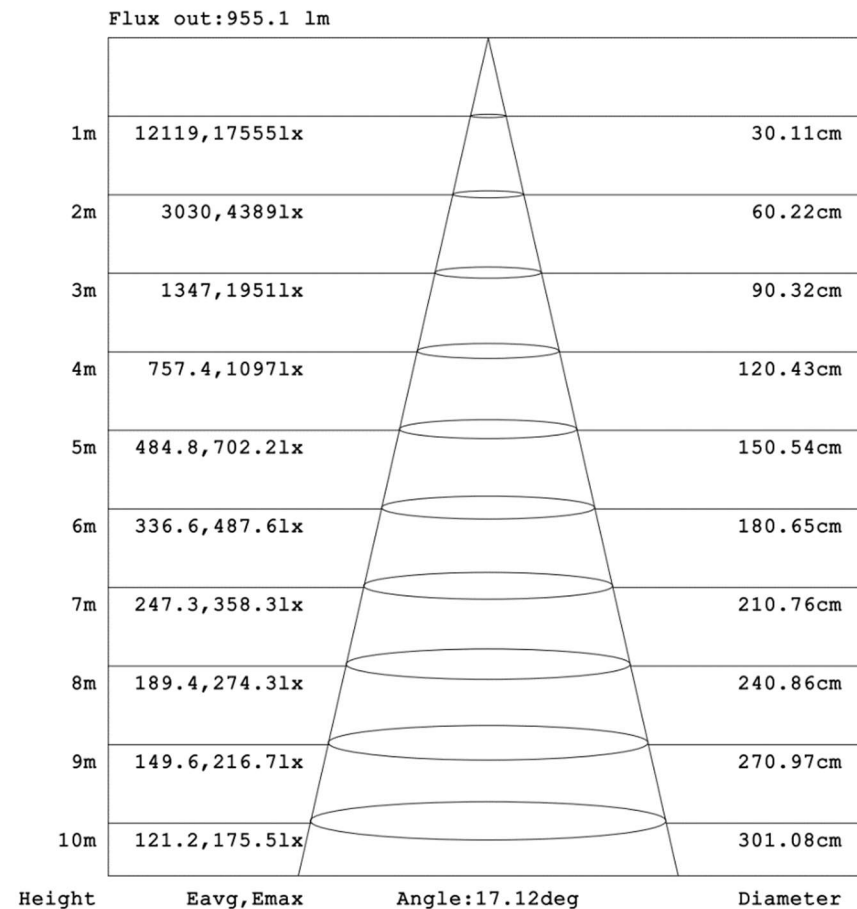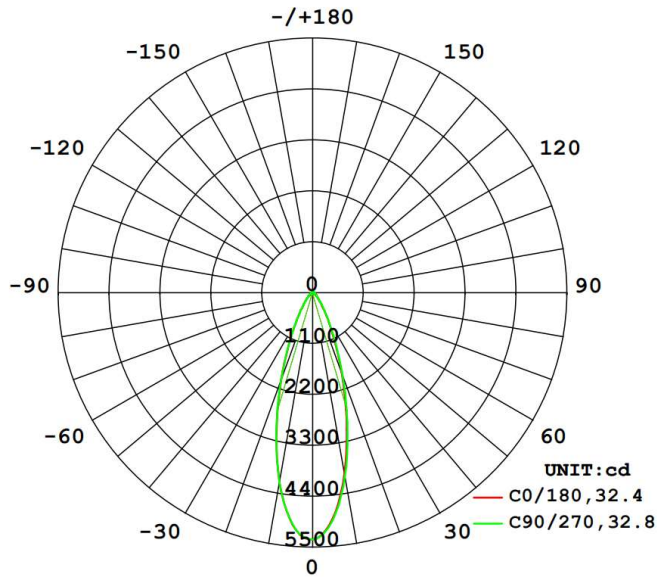

The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance

Flux out:955.1 lm

Height	Eavg,Emax		Diameter
1m	12119,17555lx		30.11cm
2m	3030,4389lx		60.22cm
3m	1347,1951lx		90.32cm
4m	757.4,1097lx		120.43cm
5m	484.8,702.2lx		150.54cm
6m	336.6,487.6lx		180.65cm
7m	247.3,358.3lx		210.76cm
8m	189.4,274.3lx		240.86cm
9m	149.6,216.7lx		270.97cm
10m	121.2,175.5lx		301.08cm

Angle:17.12deg

![Colordreamer]

Luminous Intensity Distribution Diagram
W361002401 4000K 30°Medium Beam

UNIT:cd
—— C0/180,32.4
—— C90/270,32.8

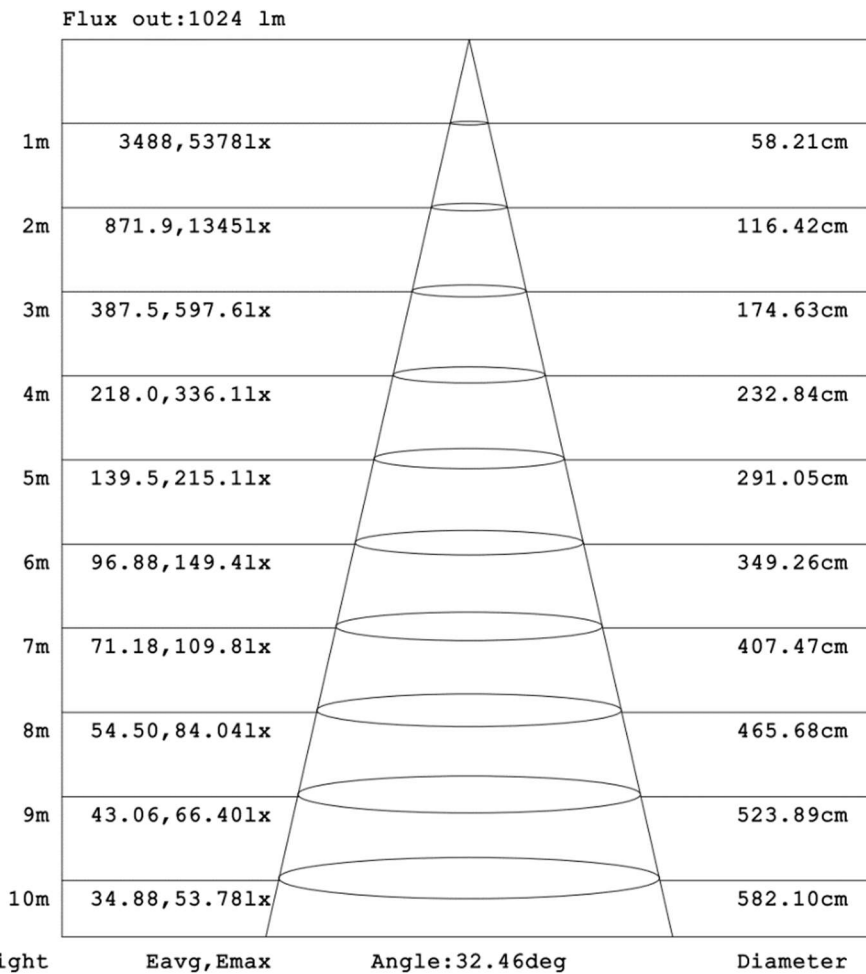**The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance**

Flux out:1024 lm

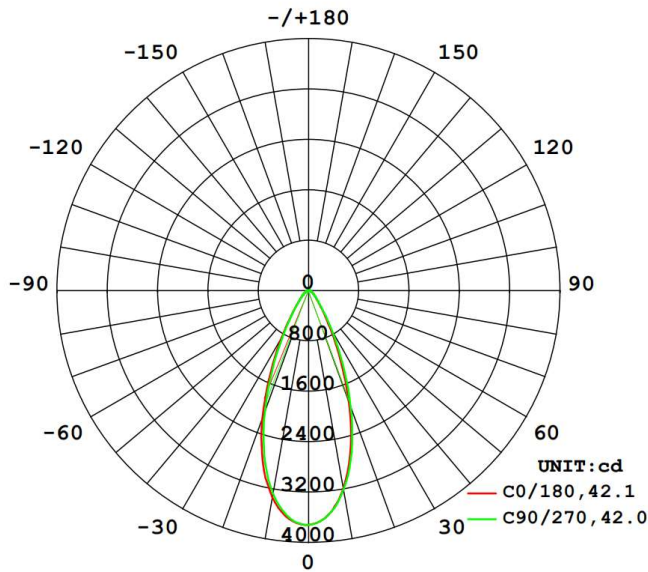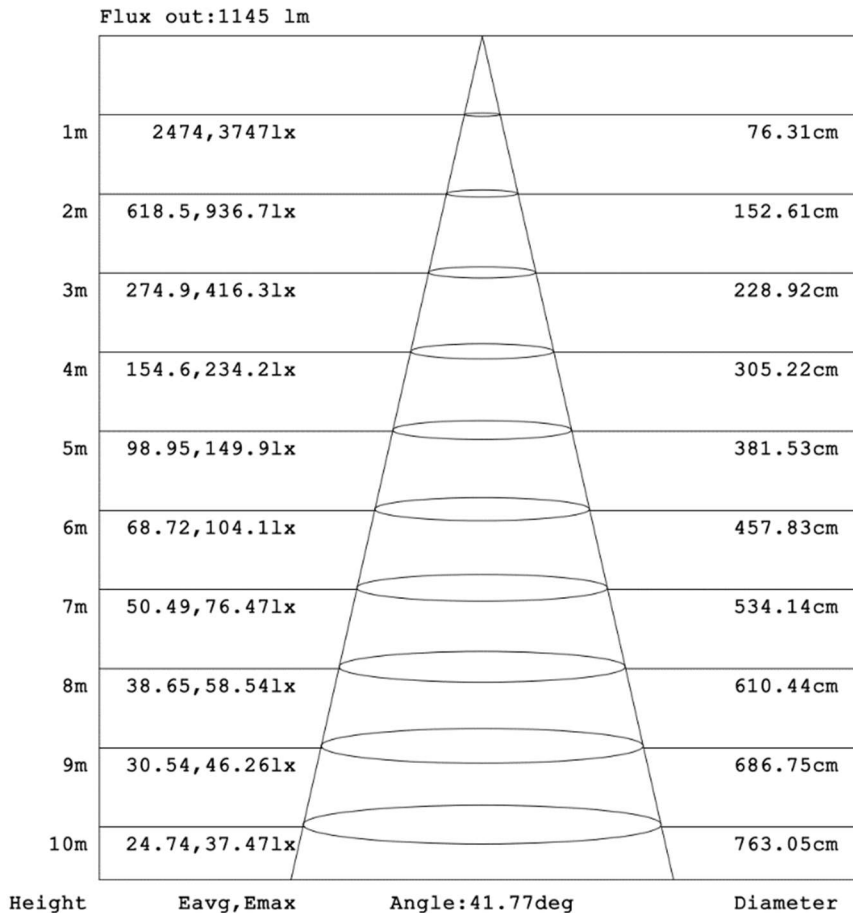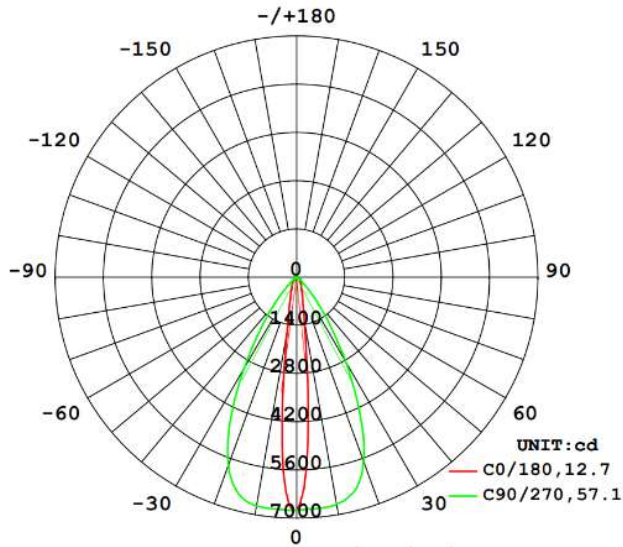| Height	Eavg,Emax	Angle:32.46deg	Diameter
1m	3488,5378lx		58.21cm
2m	871.9,1345lx		116.42cm
3m	387.5,597.6lx		174.63cm
4m	218.0,336.1lx		232.84cm
5m	139.5,215.1lx		291.05cm
6m	96.88,149.4lx		349.26cm
7m	71.18,109.8lx		407.47cm
8m	54.50,84.04lx		465.68cm
9m	43.06,66.40lx		523.89cm
10m	34.88,53.78lx		582.10cm

Luminous Intensity Distribution Diagram
W361002401 4000K 40° Wide Beam

The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance

Flux out:1145 lm

Height	Eavg,Emax	Angle:41.77deg	Diameter
1m	2474,3747lx		76.31cm
2m	618.5,936.7lx		152.61cm
3m	274.9,416.3lx		228.92cm
4m	154.6,234.2lx		305.22cm
5m	98.95,149.9lx		381.53cm
6m	68.72,104.1lx		457.83cm
7m	50.49,76.47lx		534.14cm
8m	38.65,58.54lx		610.44cm
9m	30.54,46.26lx		686.75cm
10m	24.74,37.47lx		763.05cm

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![Colordreamer logo]

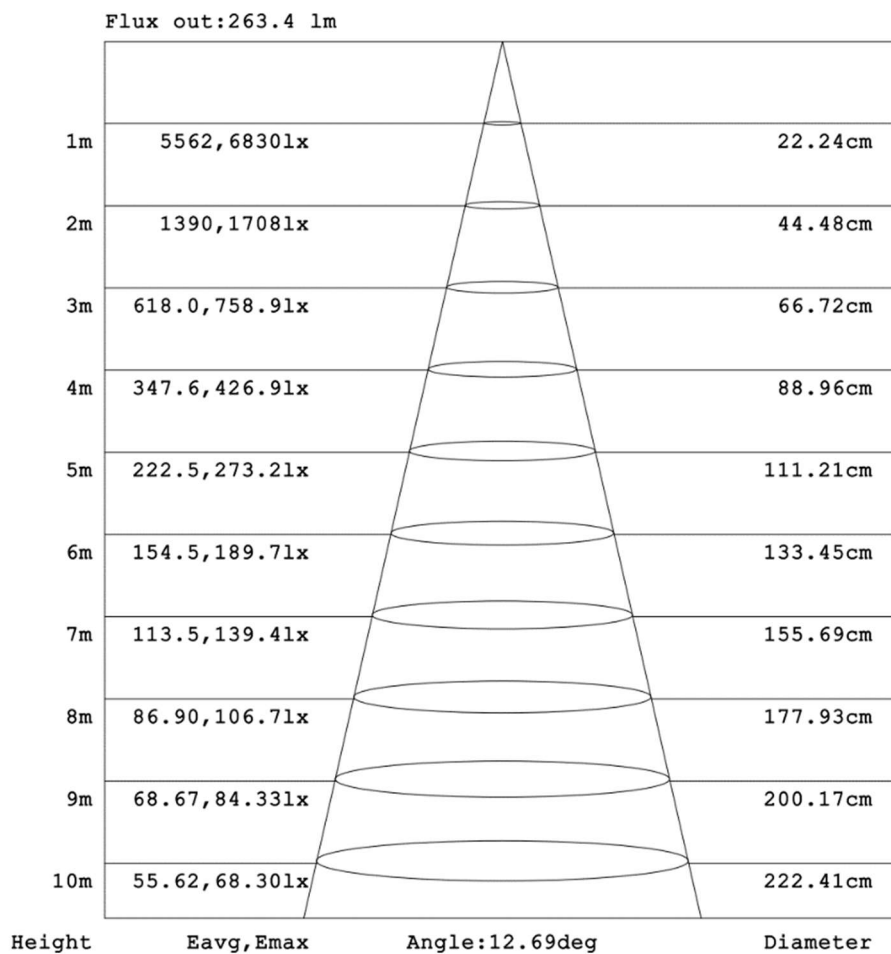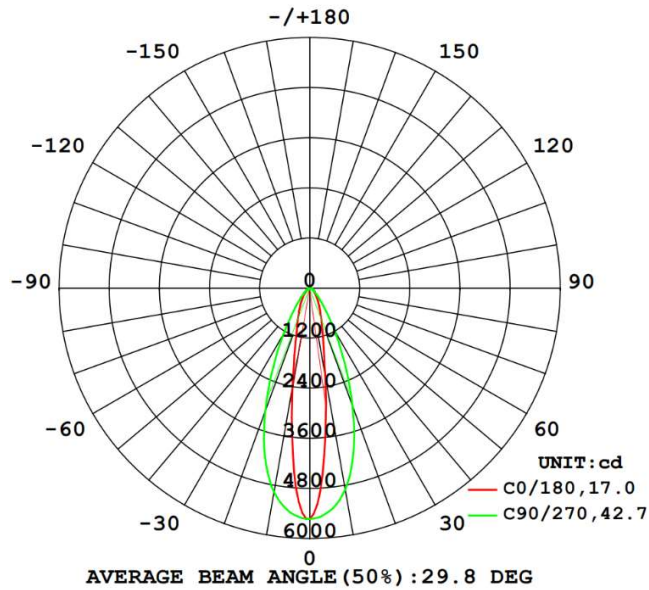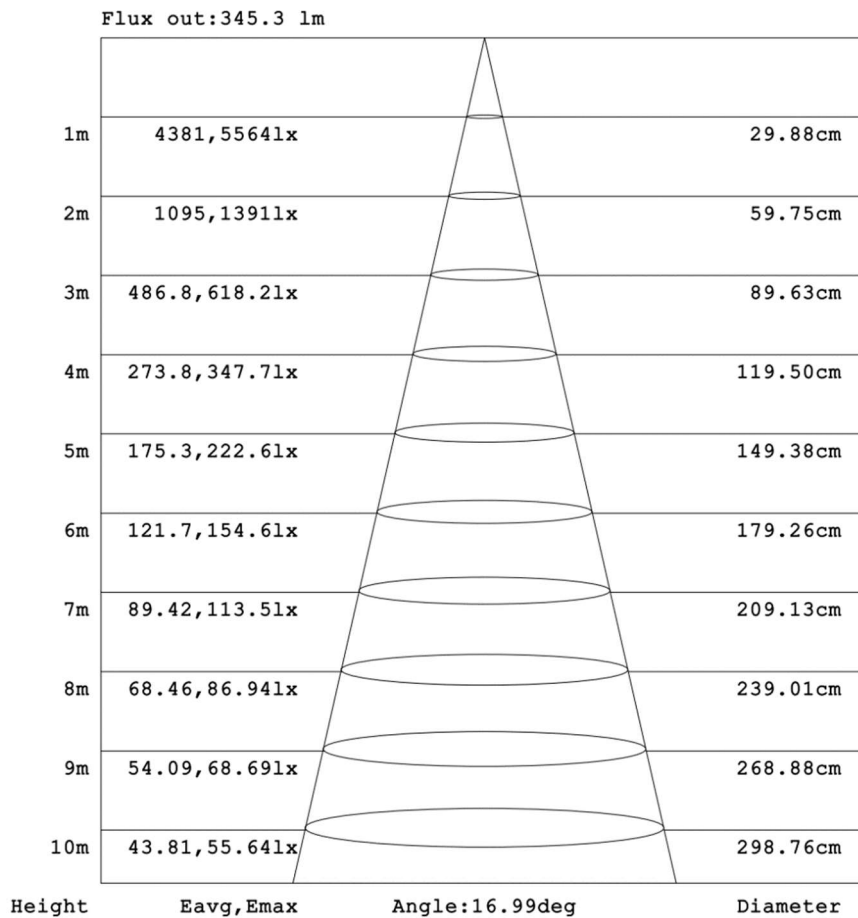## Luminous Intensity Distribution Diagram
W361002401 4000K 10+60°Oval Beam

The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance

Height	Eavg,Emax	Angle:12.69deg	Diameter
1m	5562,6830lx		22.24cm
2m	1390,1708lx		44.48cm
3m	618.0,758.9lx		66.72cm
4m	347.6,426.9lx		88.96cm
5m	222.5,273.2lx		111.21cm
6m	154.5,189.7lx		133.45cm
7m	113.5,139.4lx		155.69cm
8m	86.90,106.7lx		177.93cm
9m	68.67,84.33lx		200.17cm
10m	55.62,68.30lx		222.41cm

Flux out:263.4 lm

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Luminous Intensity Distribution Diagram
W361002401 4000K 15+45°Oval Beam


```
                    -/+180
          -150               150

      -120                        120

   -90                               90
                        0
                      1200
                      2400
      -60                          60
                      3600

                      4800       UNIT:cd
                                  ── C0/180,17.0
          -30               30    ── C90/270,42.7
                      6000
                        0
         AVERAGE BEAM ANGLE(50%):29.8 DEG
```

The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance
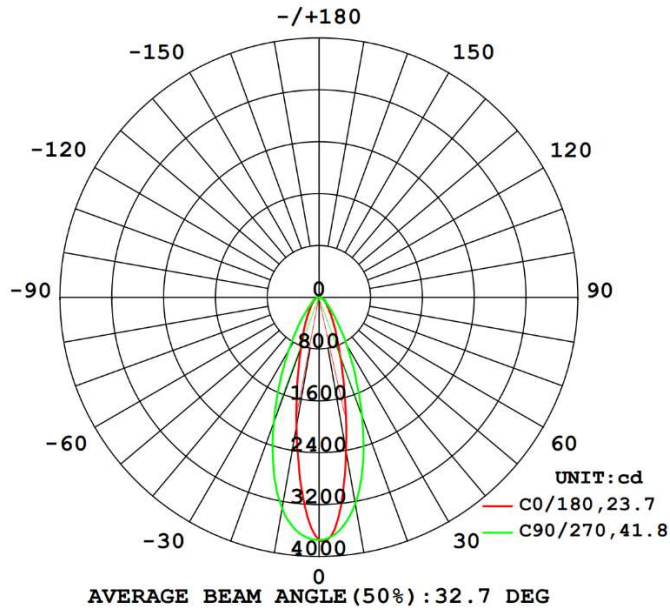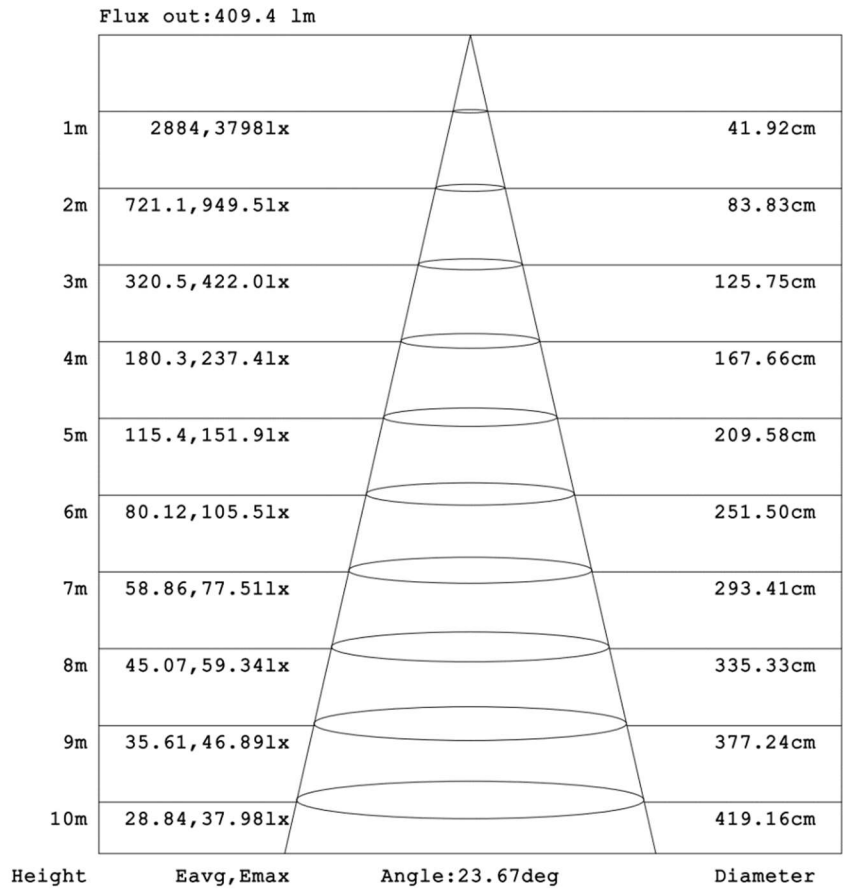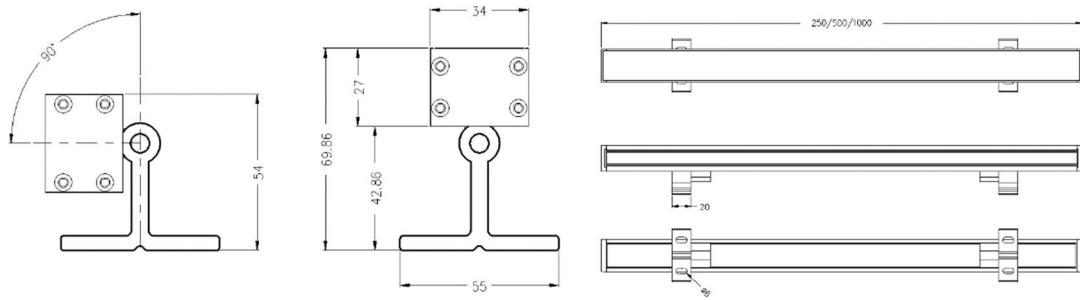
Flux out:345.3 lm

Height	Eavg,Emax	Angle:16.99deg	Diameter
1m	4381,5564lx		29.88cm
2m	1095,1391lx		59.75cm
3m	486.8,618.2lx		89.63cm
4m	273.8,347.7lx		119.50cm
5m	175.3,222.6lx		149.38cm
6m	121.7,154.6lx		179.26cm
7m	89.42,113.5lx		209.13cm
8m	68.46,86.94lx		239.01cm
9m	54.09,68.69lx		268.88cm
10m	43.81,55.64lx		298.76cm

Luminous Intensity Distribution Diagram
W361002404 22X42Oval Beam RGBW(W3000K)


```
              -/+180
      -150            150
   -120                  120

 -90          0            90

            800
           1600
    -60    2400     60
          3200       UNIT:cd
    -30   4000     30   C0/180,23.7
            0             C90/270,41.8
```

AVERAGE BEAM ANGLE(50%):32.7 DEG

The Below curves indicate the illuminated area and the average illumination when the luminaire is at different distance
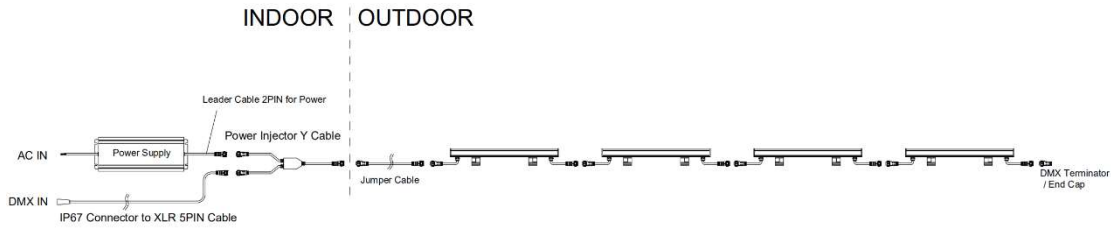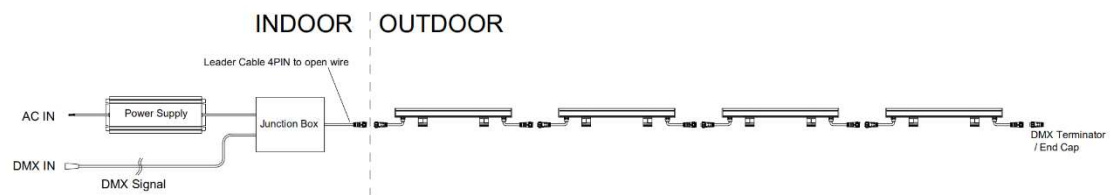
Flux out:409.4 lm

Height	Eavg,Emax	Angle:23.67deg	Diameter
1m	2884,3798lx		41.92cm
2m	721.1,949.5lx		83.83cm
3m	320.5,422.0lx		125.75cm
4m	180.3,237.4lx		167.66cm
5m	115.4,151.9lx		209.58cm
6m	80.12,105.5lx		251.50cm
7m	58.86,77.51lx		293.41cm
8m	45.07,59.34lx		335.33cm
9m	35.61,46.89lx		377.24cm
10m	28.84,37.98lx		419.16cm

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Dimension

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System Diagram

Option1

Option2:

The wiring diagram shows only typical connection. Actual wiring depends on production configuration and installation on site.

Wire Color and Designations for DC On-Off Version

Wire		Color
Red	🟥	24VDC
Black	⬛	Power GND

Wire Color and Designations for DC DMX Version

Wire		Color
Red	🟥	24VDC
Black	⬛	Power GND
Green	🟩	DMX+
Blue	🟦	DMX-
White	🟨	Address Wire

Note: Do not connect the Address wire for the first fixture.

Maximum Circuit Loading-Single Run
Maximum Current Through cables and connectors≤6A

LED Power	Maximum Leader Cable Length from Junction Box to First Fitting	Max Daisy Chain Length with Signal Power Feed
36W per meter	20meter	4Meter

Values are based on end to end . Extended cables or jumper cables will affect loading.

Accessories List (Need Order Separately)

Name	Order Code	Description
Leader Cable	67E2FB-20CM	IP67 Connector,20cm Long 2PIN Female to open wire
Leader Cable	67E2FB-5M	IP67 Connector,5Meter Long 2PIN Female to open wire
Leader Cable	67E5FB-20CM	IP67 Connector,20cm Long 5PIN Female to open wire
Leader Cable	67E5FB-5M	IP67 Connector,5Meter Long 5PIN Female to open wire
Jumper Cable	67E2M2F-5M	IP67 Connector,5Meter Long 2PIN Male to 5PIN Female
Jumper Cable	67E5M5F-5M	IP67 Connector,5Meter Long 5PIN Male to 5PIN Female
IP67 Connector to XLR Cable	67E5F5XM-20CM	20CM Long 5PIN IP67 Female Connector to XLR 5PIN Male Cable
IP67 Connector to XLR Cable	67E5F5XM-5M	5M Long 5PIN IP67 Female Connector to XLR 5PIN Male Cable
Power Injector Y Cable	67T5M5F2M	IP67 Connector,15CM 5PIN Male for LED;15CM 5PIN Female for LED;15CM 2PIN Male for Power
DMX Terminator	CD-DT5M	5PIN Male DMX Terminator with 120Ω Resistor Between DMX+ and DMX-
End Cap	CD-EC	End cap for female connector