

IP68

FLAME
RESISTANT

SALTWATER
RESISTANT

SOLVENT
RESISTANT

IK08

UV
RESISTANT

11.09
W/M

222.85
Lm/M

CE

RoHS
COMPLIANT

PRODUCT SPECIFICATION

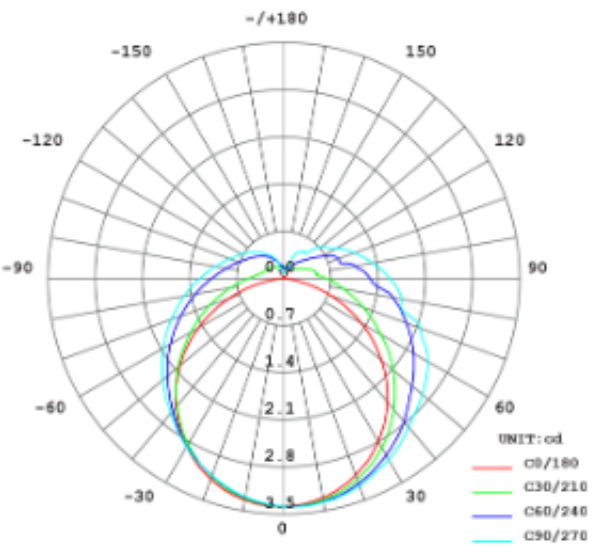
Dimension	H29/W11.5mm
PCB increment	Power connection and cut point every 100mm
LED pitch	16.7mm
Chip	-
Beam angle	160°
Colours	RGB
Bin/step	-
CRI	3.4
Lifetime	50000hrs @45o°
Operating temp.	-20 – 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI

PERFORMANCE DATA (for 1000mm)

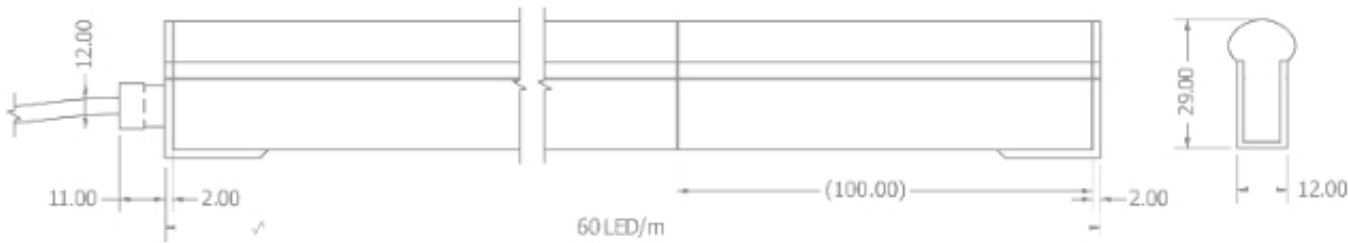
Power consumption	11.09W
Supply voltage	24V DC
Supply current	0.462A
Luminous flux	222.85Lm/M



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



TECHNICAL DRAWING



PRODUCT DETAILS

Product name	DOMED NEON RGB
Stated output	222.85lm per metre
Description	Flexible LED Neon, RGBRGB, 24V, 11.09W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	11.09
Input Current (mA DC)	462mA

LIGHT OUTPUT

Total light output (Lumens)	222.85
Luminaire efficacy (lm/W)	20.09
Beam angle	160°

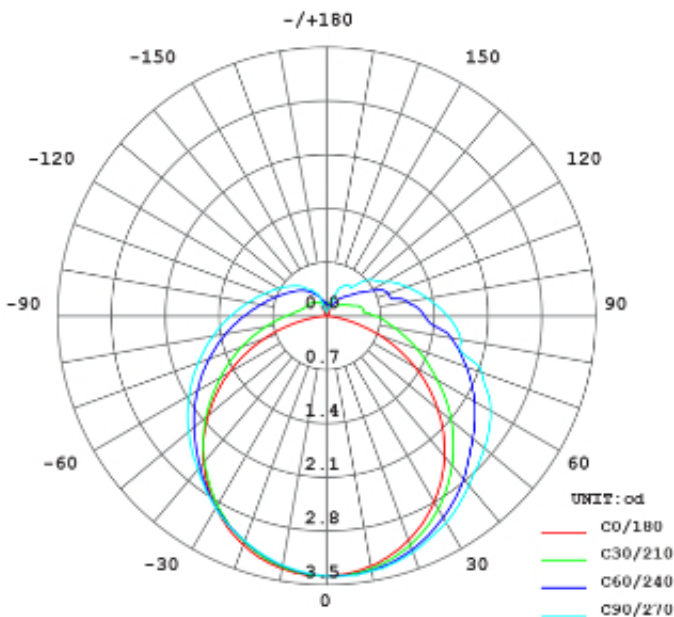
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	7513K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.3088, 0.2782

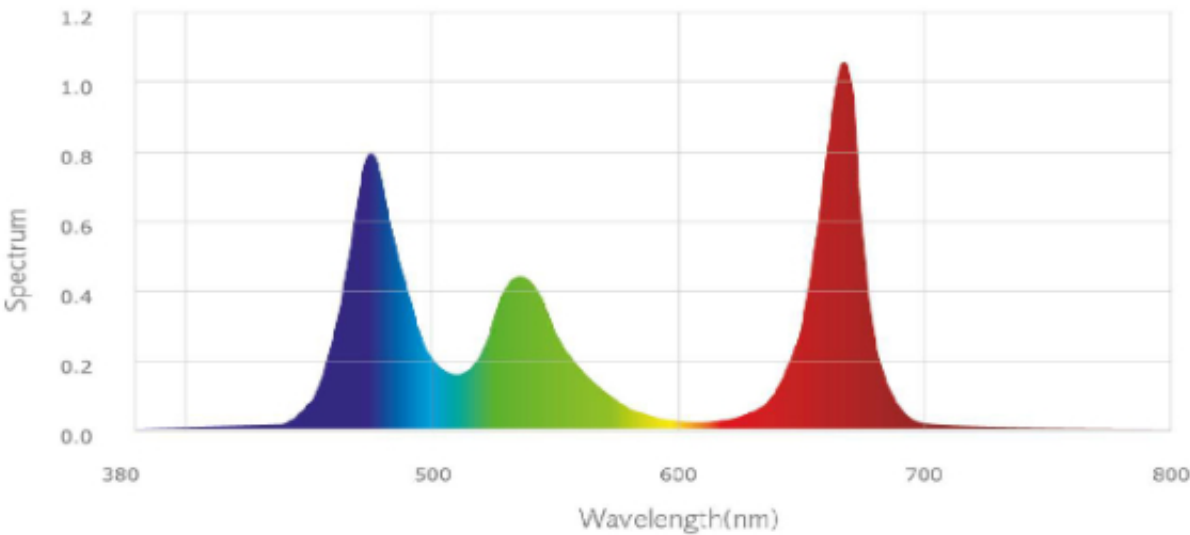
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	26	72	0	0	11	41	0	0	0	0	3	0	77	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	DOMED NEON RGB
Stated output	222.85lm per metre
Description	Flexible LED Neon, RGB, 24V, 11.09W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	11.09
Input Current (mA DC)	462mA

LIGHT OUTPUT

Total light output (Lumens)	222.85
Luminaire efficacy (lm/W)	20.09
Beam angle	160°

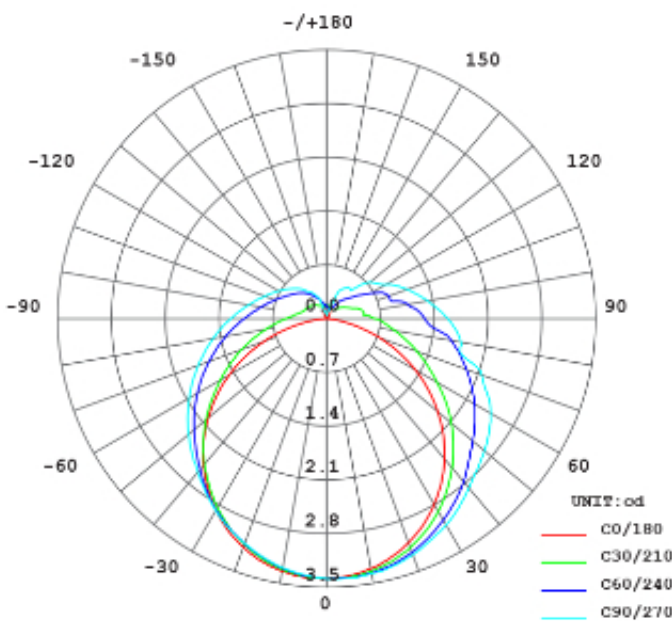
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	7513K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.3088, 0.2782

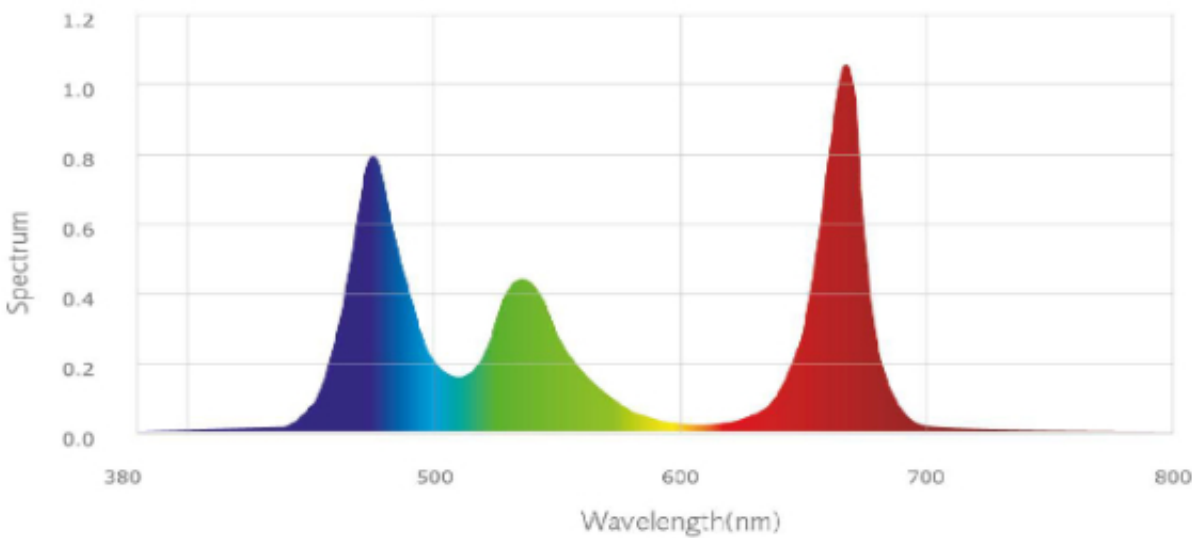
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	26	72	0	0	11	41	0	0	0	0	3	0	77	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	DOMED NEON RGB
Stated output	73.46lm per metre
Description	Flexible LED Neon, Red, 24V, 4.04W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	4.04
Input Current (mA DC)	168mA

LIGHT OUTPUT

Total light output (Lumens)	73.46
Luminaire efficacy (lm/W)	18.18
Beam angle	160°

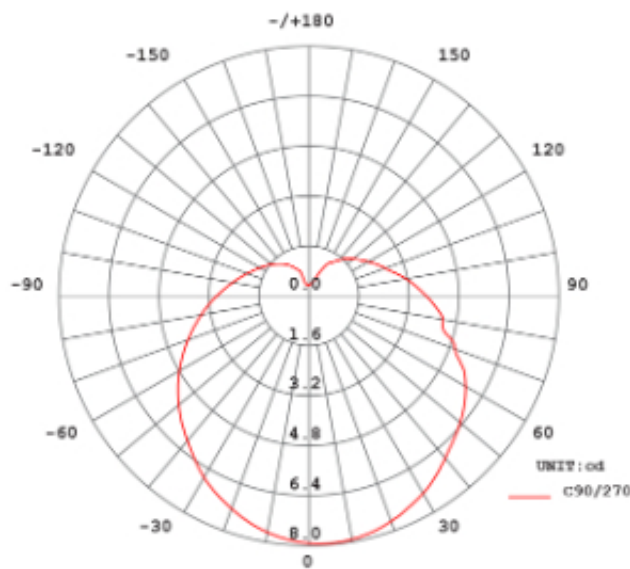
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1001K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.6950, 0.3047

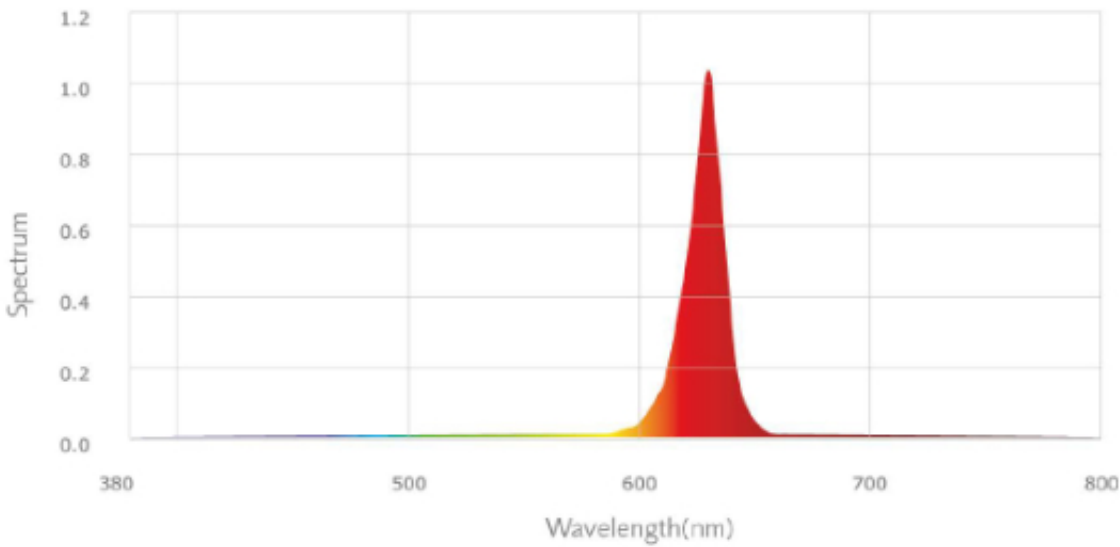
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
6	78	29	0	0	90	4	0	0	0	71	0	79	59	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



DOMED NEON RGB - GREEN

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	DOMED NEON RGB
Stated output	127.66lm per metre
Description	Flexible LED Neon, Green, 24V, 3.7W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	3.7
Input Current (mA DC)	154mA

LIGHT OUTPUT

Total light output (Lumens)	127.66
Luminaire efficacy (lm/W)	34.5
Beam angle	160°

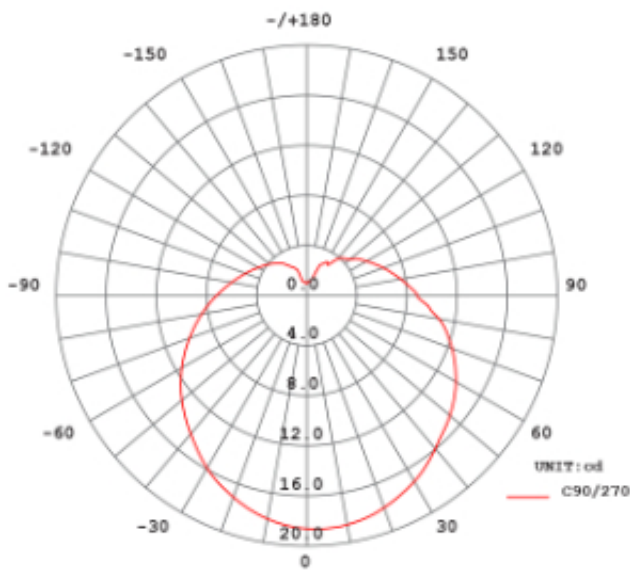
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8093K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.3088, 0.2782

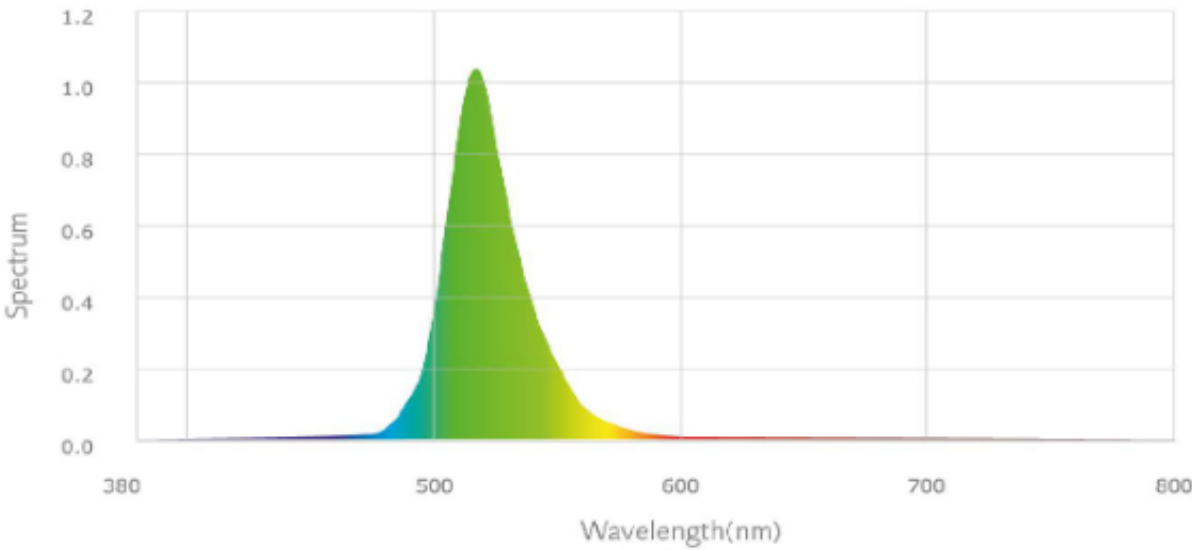
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	0	0	0	0	0	0	0	0	0	35	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



DOMED NEON RGB - BLUE

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	DOMED NEON RGB
Stated output	20.36lm per metre
Description	Flexible LED Neon, Blue, 24V, 3.6W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	3.6
Input Current (mA DC)	150mA

LIGHT OUTPUT

Total light output (Lumens)	20.36
Luminaire efficacy (lm/W)	5.66
Beam angle	160°

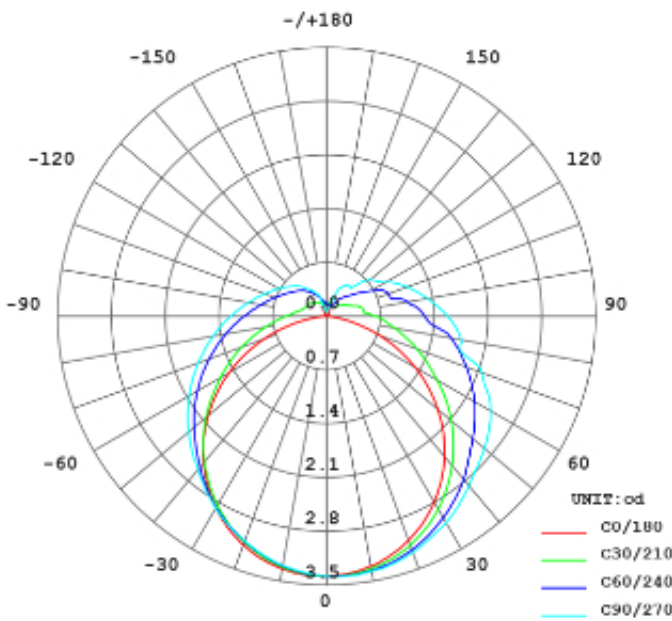
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.3088, 0.2782

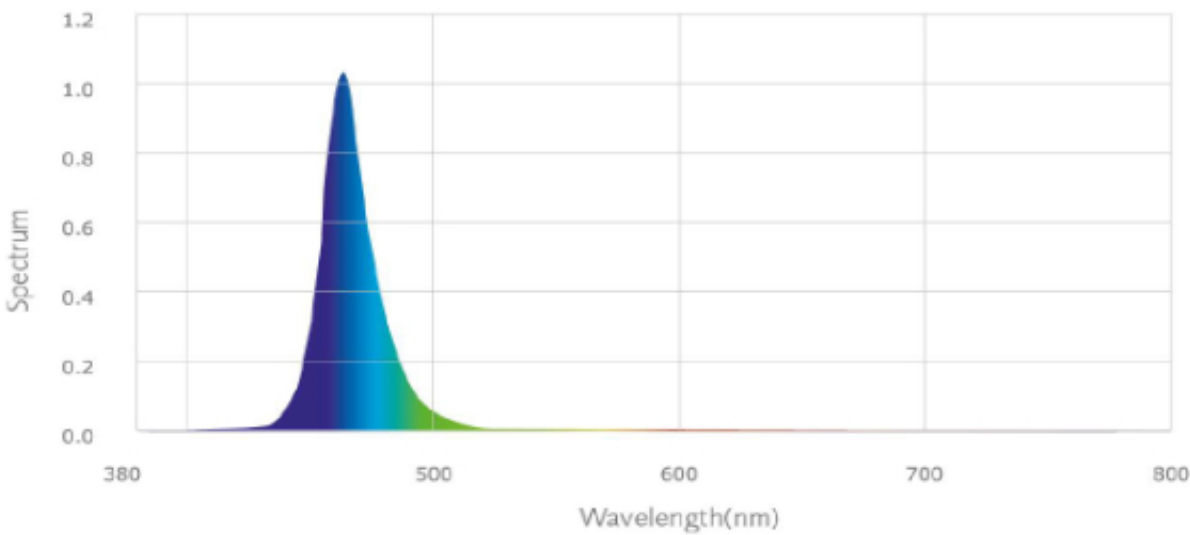
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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11.09
W/M

222.85
Lm/M

CE

RoHS
COMPLIANT

PRODUCT SPECIFICATION

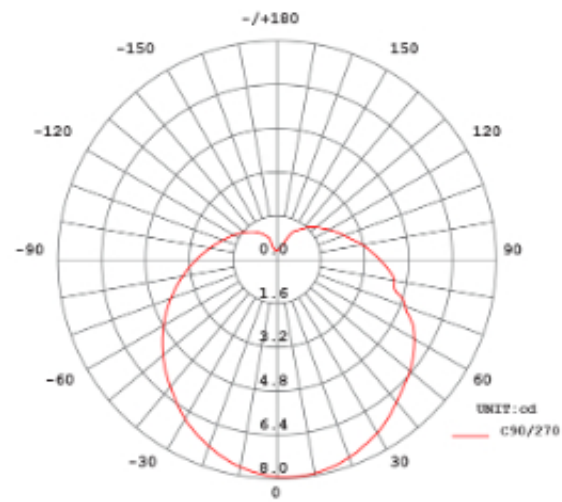
Dimension	H29/W11.5mm
PCB increment	Power connection and cut point every 100mm
LED pitch	16.7mm
Chip	-
Beam angle	160°
Colours	RED
Bin/step	-
CRI	3.4
Lifetime	50000hrs @45o°
Operating temp.	-20 – 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI

PERFORMANCE DATA (for 1000mm)

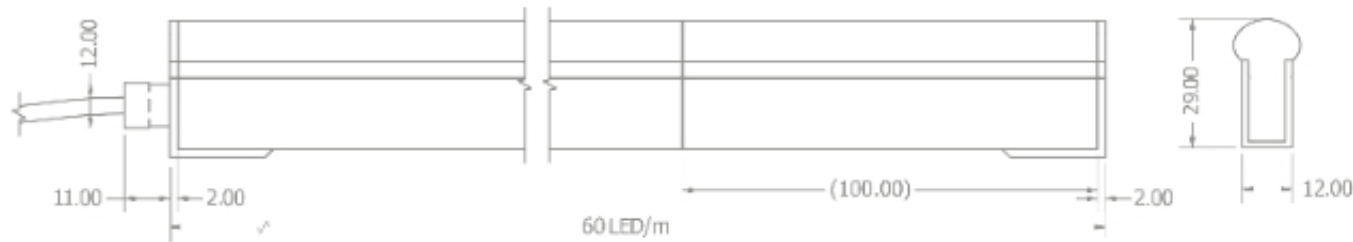
Power consumption	4.04W
Supply voltage	24V DC
Supply current	0.168A
Luminous flux	73.46Lm/M



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



TECHNICAL DRAWING



PRODUCT DETAILS

Product name	DOMED NEON RGB RED
Stated output	73.46lm per metre
Description	Flexible LED Neon, REDRGB, 24V, 4.04W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	4.04
Input Current (mA DC)	168mA

LIGHT OUTPUT

Total light output (Lumens)	73.46
Luminaire efficacy (lm/W)	18.18
Beam angle	160°

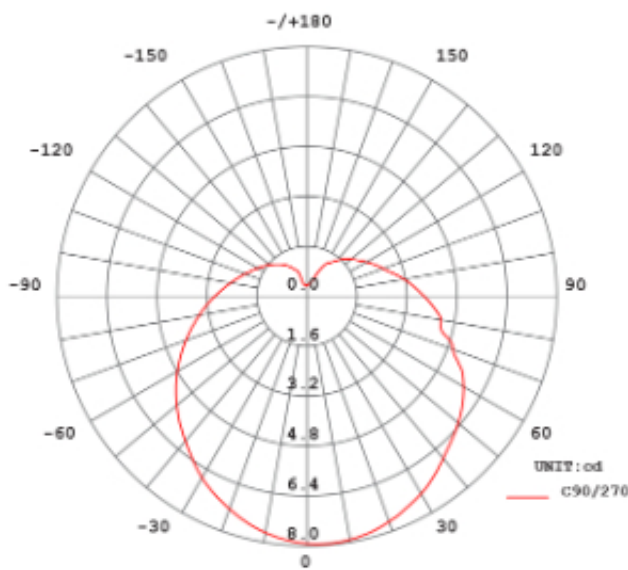
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1001K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.6950, 0.3047

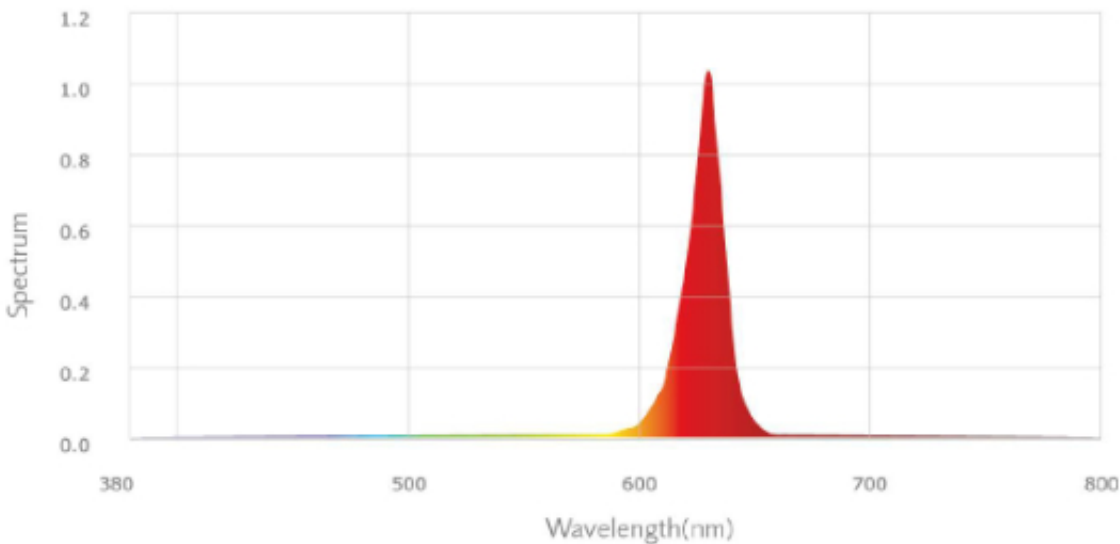
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
6	78	29	0	0	90	4	0	0	0	71	0	79	59	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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11.09
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222.85
Lm/M

CE

RoHS
COMPLIANT

PRODUCT SPECIFICATION

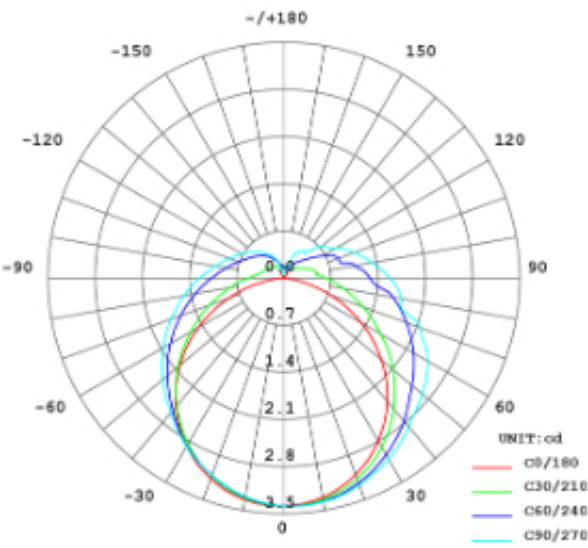
Dimension	H29/W11.5mm
PCB increment	Power connection and cut point every 100mm
LED pitch	16.7mm
Chip	-
Beam angle	160°
Colours	BLUE
Bin/step	-
CRI	3.4
Lifetime	50000hrs @45o°
Operating temp.	-20 – 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI

PERFORMANCE DATA (for 1000mm)

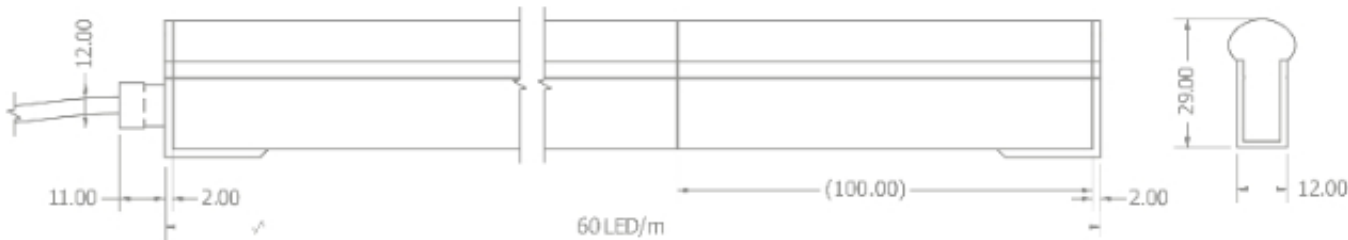
Power consumption	3.6W
Supply voltage	24V DC
Supply current	0.15A
Luminous flux	20.36Lm/M



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



TECHNICAL DRAWING



PRODUCT DETAILS

Product name	DOMED NEON RGB BLUE
Stated output	20.36lm per metre
Description	Flexible LED Neon, BLUERGB, 24V, 3.6W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	3.6
Input Current (mA DC)	150mA

LIGHT OUTPUT

Total light output (Lumens)	20.36
Luminaire efficacy (lm/W)	5.66
Beam angle	160°

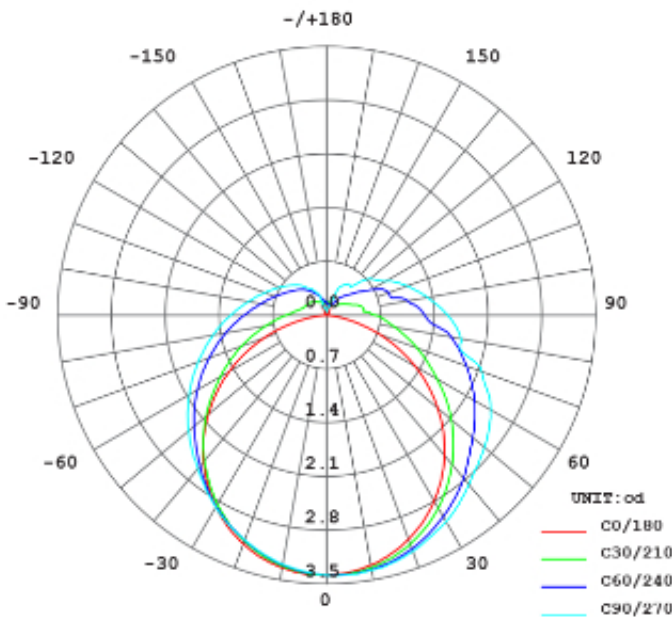
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.3088, 0.2782

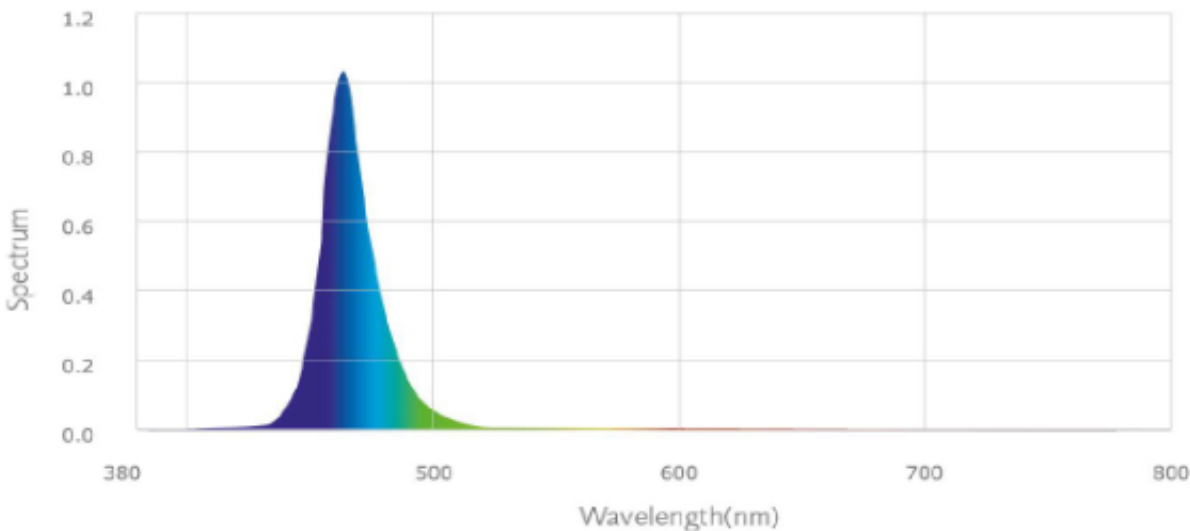
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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11.09
W/M

222.85
Lm/M

CE

RoHS
COMPLIANT

PRODUCT SPECIFICATION

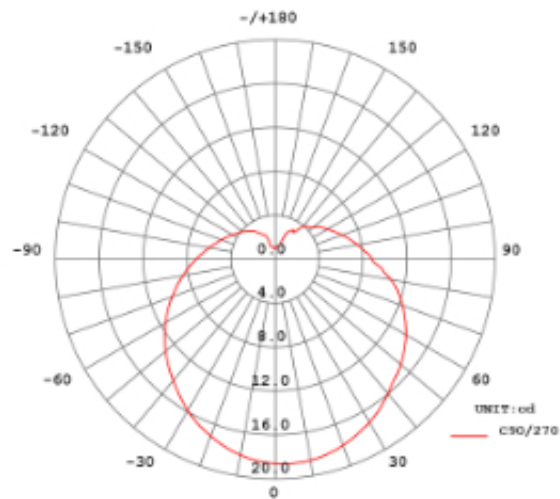
Dimension	H29/W11.5mm
PCB increment	Power connection and cut point every 100mm
LED pitch	16.7mm
Chip	-
Beam angle	160°
Colours	GREEN
Bin/step	-
CRI	3.4
Lifetime	50000hrs @45o°
Operating temp.	-20 – 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI

PERFORMANCE DATA (for 1000mm)

Power consumption	3.7W
Supply voltage	24V DC
Supply current	0.154A
Luminous flux	127.66Lm/M



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



TECHNICAL DRAWING



PRODUCT DETAILS

Product name	DOMED NEON RGB GREEN
Stated output	127.66lm per metre
Description	Flexible LED Neon, GREENRGB, 24V, 3.7W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	3.7
Input Current (mA DC)	154mA

LIGHT OUTPUT

Total light output (Lumens)	127.66
Luminaire efficacy (lm/W)	34.5
Beam angle	160°

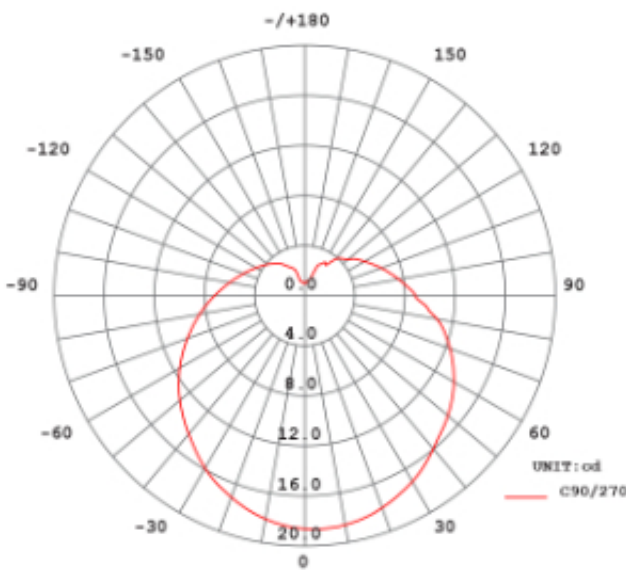
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8093K
Colour rendering index (CRI, Ra)	3.4
Chromaticity coordinates (CIE 1931 - x,y)	0.3088, 0.2782

COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	0	0	0	0	0	0	0	0	0	35	0

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

