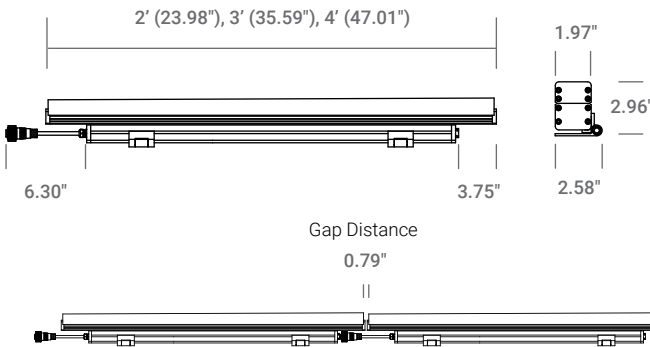


RGB + WHITE (4000K)

DIMENSIONS

Available Lengths



Spacing And Cable Management	
Parameter	Specification
Default Spacing	Nominal 0.79" (± tolerance)
Extended Spacing Options	1 - Use Standard Interlink Cable Length (11.81", 78.74", 236.22")
	2 - Customize Interlink Cable Length
	3 - Customize Loop-in Cable

LENGTH	WATTAGE	LUMENS
2'	30W	1500lm/ft
3'	45W	2250lm/ft
4'	60W	3000lm/ft

Lumens are based on 20° at 4000K. Actual wattage may vary +/- 5%.

FEATURES

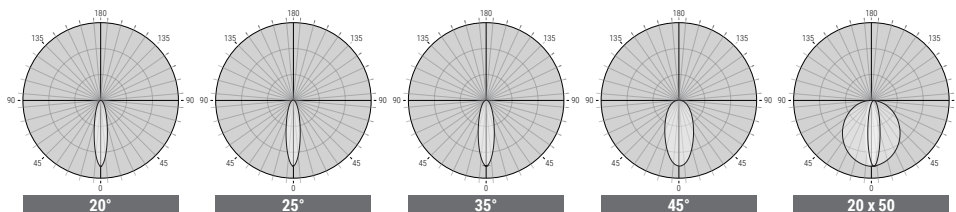
LSWG2-WL50-RGBW delivers exceptional performance as a dynamic wall washer and cove lighting luminaire for both indoor and outdoor architectural environments. With individually controlled RGB channels and a dedicated 4000K white source, it gives lighting designers the freedom to craft bold, nuanced scenes with clarity and precision. Whether washing surfaces in rich color or layering crisp white for contrast and depth, the fixture allows for fine-tuned adjustment of hue and intensity. Each color channel can be scaled to meet the specific demands of a project—enabling immersive environments, rhythmic lighting sequences, and expressive compositions that breathe life into architectural spaces.

Ideal for feature walls, atriums, lobbies, ceilings, and gallery spaces, it also excels in façade lighting, building perimeters, public plazas, and landscape accents.

Also available in additional widths: 1.29" and 2.36" to suit varying design needs.

LUMENS	750 lm/ft
COLORS & CCT	RGB + White (4000K)
CRI	90+ Standard
COLOR QUALITY	2-Step MacAdam Ellipse
VOLTAGE	120-277VAC 50/60Hz
MOUNTING	Surface Mount, Wall Mount, Spike
WALL WASH/COVE OPTICS	20°, 25°, 35°, 45°, 20°X50°
LENGTHS	2', 3', 4'
DIMMING	DMX/RDM
FINISH	White (WH), Bronze (BZ), Black (BK), Silver (SI)
WORKING TEMPERATURE	-20°C (-4°F) to 50°C (122°F)
LIFETIME	L70 AT 50,000 Hours

Wall Washer & Cove



OPTICS

Constructed with optical-grade PMMA lenses, the fixture ensures superior light transmission, clarity, and durability. This high-quality material maintains optical performance over time, offering excellent resistance to UV radiation and yellowing—ideal for precision wall grazing and wall washing in both indoor and outdoor environments.

Luminaire available in 750lm/ft (at 90+ CRI) in full color.

Optical Distribution Options:

Engineered for precision lighting effects, this luminaire is available with a range of high-performance optics to suit a variety of architectural applications:

Wall Wash / Cove Optics: 20°, 25°, 35°, 45°, 20°X50° – Designed to deliver smooth, uniform illumination across flat surfaces and ceilings for general wall-washing and ambient uplighting.

CONSTRUCTION

Constructed from 6063 high-density extruded aluminum alloy, this fixture offers superior strength, corrosion resistance, and thermal conductivity—ideal for both indoor and outdoor wall grazing or wall washing applications. The use of 6063 aluminum ensures excellent heat dissipation and structural integrity, contributing to long-term durability and consistent performance in demanding environments. Available in white, bronze, black, and silver finishes.

MOUNTING

Designed for surface and wall-mounted applications, the fixture features integral mounting brackets with adjustable, lockable aiming from 0° to 90° in precise increments. This allows for flexible positioning to achieve optimal lighting angles for wall grazing, wall washing, or cove illumination across a variety of architectural environments.

INSTALLATION

Designed for both indoor and outdoor applications, this fixture supports mounting heights from 8' to 50', making it suitable for a wide range of installations. It comes standard with the WL50-FF 0°–90° adjustable bracket and is also compatible with the WL50-ML 0°–70° and WL50-MA 0°–55° brackets for added aiming flexibility. Additional mounting options include the WL50-DLWMB adjustable arm extension and the WL50-BLMBA-SPIKE spike mount, both of which are sold separately to accommodate specialized site conditions.

OPTIONS & ACCESSORIES

Options include leading cables for primary power input, interlink cables for connecting multiple units, junctions for branching configurations, and termination caps to seal unused ports. These components are available separately to provide flexibility for various site conditions.

Accessory options are available to enhance performance and adapt to site-specific needs. Optional louvers help control light distribution and minimize glare—choose the WL50-SYM-L for symmetric light patterns or the WL50-ASYM-L for asymmetric forward-throw performance. Both accessories are sold and shipped separately, offering added flexibility for various applications.

Accessory options are available for DMX/RDM control. Separately Sold:

- DMX Address Writer and Tester
- RDM Address Writer and Tester

DIMMING & DRIVER INFORMATION

Powered by high-quality constant current LED drivers, rated for 50–60Hz operation with input voltages of 120–277V.

DMX/RDM - Full-range control via DMX512 with bi-directional RDM communication.

WARRANTY

5-year warranty for parts and components (labor not included).

LISTINGS

ETL certified.
IP66 Rated.
Suitable for Wet Location.
RoHs compliant – Contains no mercury or lead.

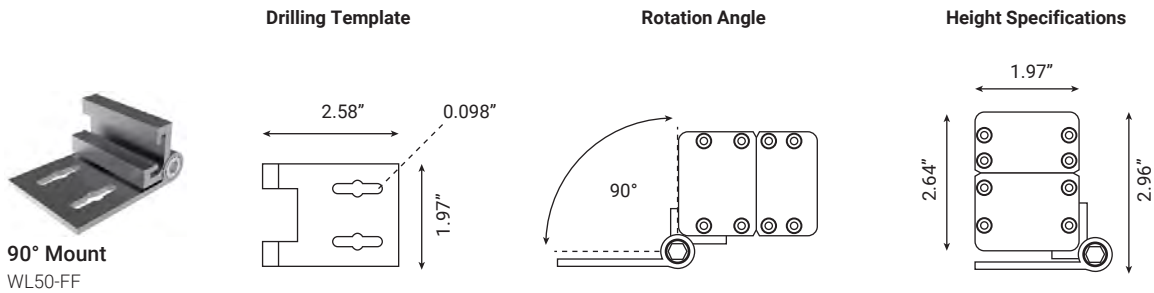
MAXIMUM DAISY CHAIN LIMITS

W/ft	Voltage	Max Power	Max No. of 4' Fixtures	Max. Cable Length (Leading + Interlink)
15W	120V	1080W	18 (4') Fixtures	65.5'

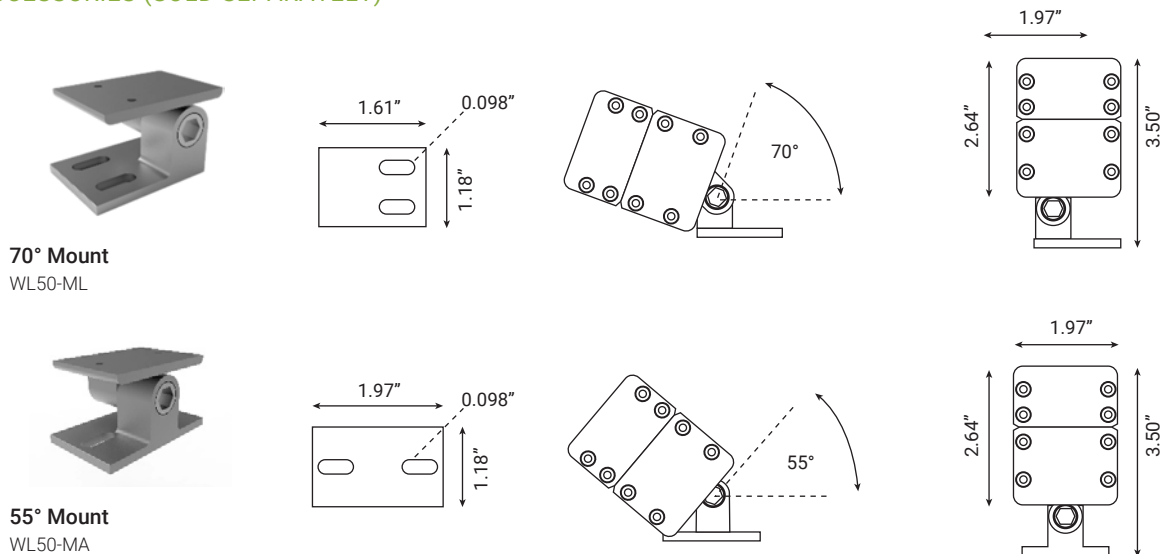
Example: LSWG2-WL50-RGBW-2-750L-DMX/RDM-MVOLT-90-20-WH

LSWG2-WL50-RGBW										
SERIES	LENGTH	LUMENS	DIMMING	VOLTAGE	CRI	DISTRIBUTION	MOUNTING	FINISH	ACCESSORIES	OPTIONS
LSWG2-WL50-RGBW	2' 3' 4'	750L (lm/ft)	DMX/RDM	MVOLT 120-277V	90+	20° 25° 35° 45° 20X50 (WALL WASH/COVE)	WL50-FF 0°-90° Adjustable Bracket (STANDARD, LEAVE BLANK) WL50-ML 0°-70° Adjustable Bracket (SOLD SEPARATELY) WL50-MA 0°-55° Adjustable Bracket (SOLD SEPARATELY) WL50-DLWMB Adjustable Arm Extension (SOLD SEPARATELY) WL50-BLMBA-SPIKE Spike Mount (SOLD SEPARATELY)	BZ - Bronze BK - Black WH - White SI - Silver	WL50-SYM-L-RBGW Symmetric Louver WL50-ASYM-L-RBGW Asymmetric Louver (LOUVER ACCESSORIES SHIP PRE-INSTALLED) MR-WT25 DMXCAT LPSA-512	ECACF-(LENGTH)-6PIN 6-pin Power and Data Combined Lead-in (DMX/RDM) ECACL-(LENGTH)-6PIN 6-pin Power Lead-in (DMX/RDM) AC-LEADIN-336 6-pin Power and Signal Combined T-joint (DMX/RDM) DMX-ENDCAP-AC-6PIN End Cap (DMX/RDM)

MOUNTING



MOUNTING ACCESSORIES (SOLD SEPARATELY)



RECOMMENDED DISTANCES

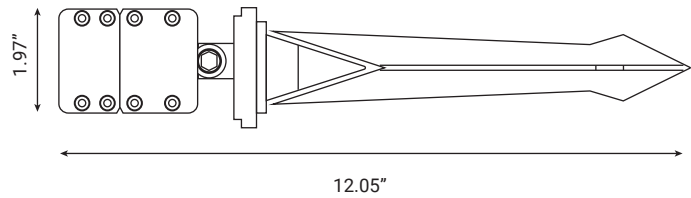
Back Distance	Back Distance	Purpose	Best Use
	0.78" - 1.96"	Narrow Distribution, Smooth Surfaces	Cove
	1.96" - 3.93"	Textured Walls	General Wall Wash
	3.93" - 7.87"	Even Distribution	Wall Wash

Recommended setback distances are intended as general guidelines.
Actual placement may vary based on wall texture, height, and desired lighting effect.
On-site adjustments are recommended to achieve optimal results.

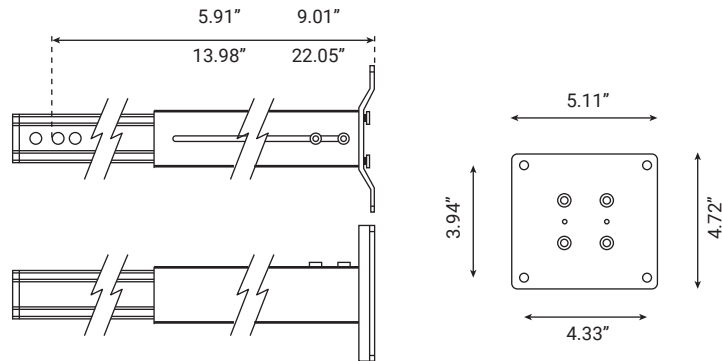
MOUNTING ACCESSORIES CONT. (SOLD SEPARATELY)



Adjustable Arm Extension Spike Mount
Part Number: WL50-BLMBA-SPIKE



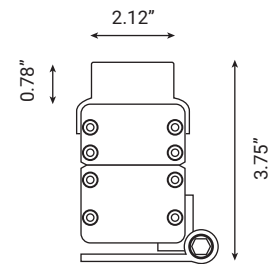
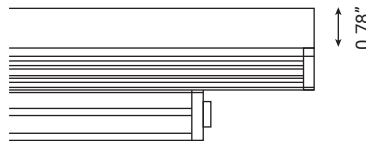
Adjustable Arm Extension
Part Number: WL50-DLWMB



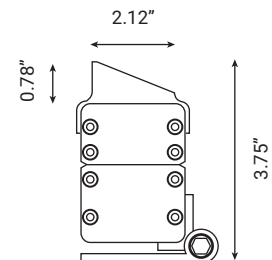
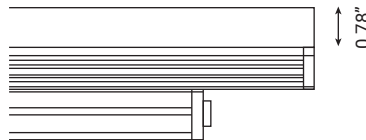
ANTI-GLARE ACCESSORIES - LOUVERS (SOLD SEPARATELY)



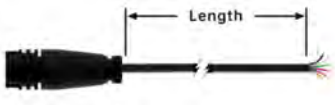
Symmetrical Louver
Part Number: WL50-SYM-L-RBGW



Asymmetrical Louver
Part Number: WL50-ASYM-L-RBGW



LEAD-IN CABLE (INCLUDED)



6-pin Power and Data Combined Lead-in

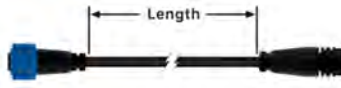
Dimming: DMX/RDM

Length: 0.98', 6.56', 19.66', 49.21'

Part Number: ECACF-(LENGTH)-6PIN

• PLEASE SPECIFY THE LENGTH

INTERLINK CABLE (INCLUDED)



6-pin Power Lead-in

Dimming: DMX/RDM

Length: 0.98', 6.56', 19.66'

Part Number: ECACL-(LENGTH)-6PIN

• PLEASE SPECIFY THE LENGTH

JUNCTIONS & TERMINATION (INCLUDED)



6-pin Power and Signal Combined T-joint

Dimming: DMX/RDM

Part Number: AC-LEADIN-336

6-pin DMX End Cap

Dimming: DMX/RDM

Part Number: DMX-ENDCAP-AC-6PIN

CONTROL TYPE AND GROUPING CONFIGURATIONS FOR 4FT FIXTURES

Control Type Option	No. of Diodes	RDM Personality	Groupings	No. of Channels
Standard	30	1 Group	1 group of 30	4
LumiMax™	30	1 Group	1 group of 30	4
Pixel/ft	32	4 Groups	4 groups of 8	16
Pixel/Diode	24	24 Groups	24 groups of 1	96

PIXEL PER DIODE GROUPING OPTIONS AND CHANNEL COUNT

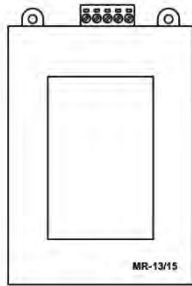
No. of Groups	Diodes per Group	No. of Channels
1	24	4
2	12	8
4	6	16
6	4	24
12	2	48
24	1	96

While the previous table outlines standard control types and grouping configurations for 4ft fixtures, the Pixel Per Diode version allows for multiple grouping options, offering greater design flexibility. The table below details the available configurations for the 4ft format.

CABLE CORE COLOR CODING

CABLE	FUNCTION	CORE	WIRE SIZE
Power Lead In/ Power Extension Cable	L (live)	Black	16AWG
	N (Neutral)	White	16AWG
	GND (Earth)	Green	16AWG
Data Lead In	DMX+	Purple	20AWG
	DMX-	Pink	20AWG
	DMX GND	Yellow	20AWG
Power and Data Power Combine	L (live)	Black	16AWG
	N (Neutral)	White	16AWG
	GND (Earth)	Green	16AWG
	DMX+	Purple	22AWG
	DMX-	Pink	22AWG
	DMX GND	Yellow	22AWG

DMX AND RDM CONTROL ACCESSORIES (SOLD SEPARATELY)



DMX Address Writer and Tester

Description: A compact handheld device supporting DMX512 and RDM protocols, enabling DMX channel programming, testing, and control via USB Type-C power.

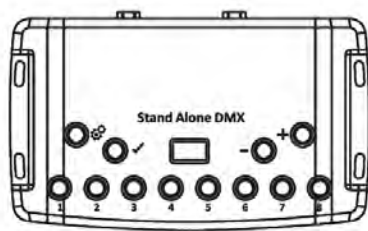
Brand: MR Technology
Part Number: MR-WT25



RDM Address Writer and Tester

Description: A compact, battery-powered device for DMX and RDM control via Bluetooth, enabling DMX testing, RDM monitoring, and DIP switch configuration through a dedicated smartphone app.

Brand: City Theatrical
Part Number: DMXCAT



DMX Controller

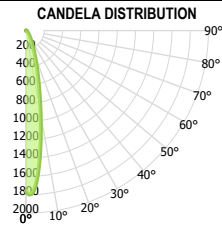
Description: The Chromateq LPSA512 is a compact 512-channel DMX interface that offers onboard scene storage and playback without the need for a computer. With support for a real-time clock and IR control, it's an ideal solution for small to mid-sized installations.

Brand: Chromateq
Part Number: LPSA-512

LSWG2-WL50-RGBW-2-750L-DMXRDM-MVOLT-90-20-WH

TEST NO.: **EL07102520**

INPUT WATTS: **10.1** LUMENS: **403** EFFICACY: **40** BEAM ANGLE: **20** SPACING CRITERIA: **0.35**



CANDELA TABLE		
	0°	90°
0°	1760	1760
10°	928	637
20°	284	203
30°	102	76
40°	44	34
50°	21	16
60°	10	8
70°	5	4
80°	3	2
90°	2	2

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	83122	83122
45.00°	1925	987
55.00°	1136	525
65.00°	775	308
75.00°	580	167
85.00°	783	135

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	113
10° - 20°	125
20° - 30°	69
30° - 40°	36
40° - 50°	20
50° - 60°	12
60° - 70°	7
70° - 80°	4
80° - 90°	2

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	238	59%
0° - 30°	307	76%
0° - 40°	342	85%
0° - 60°	374	93%
0° - 80°	385	95%
0° - 90°	387	96%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 m	48.9 lx	1.8 m	1.8 m
8.0 m	27.5 lx	2.4 m	2.5 m
10.0 m	17.6 lx	3.1 m	3.1 m
12.0 m	12.2 lx	3.7 m	3.7 m
14.0 m	9.0 lx	4.3 m	4.3 m
16.0 m	6.9 lx	4.9 m	4.9 m
18.0 m	5.4 lx	5.5 m	5.5 m
20.0 m	4.4 lx	6.1 m	6.2 m

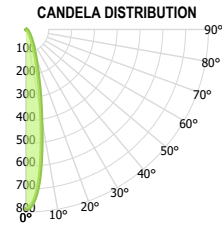
INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	80%			70%			20%			50%			30%			10%			0%		
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	6
1	8	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6
2	7	7	7	7	6	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
3	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5
4	7	6	6	6	6	6	6	6	5	6	6	5	6	5	5	5	5	5	5	5	5	5
5	6	6	5	5	5	6	6	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7	6	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4
8	6	5	5	4	6	5	5	4	5	5	5	4	5	5	4	5	5	4	5	5	4	4
9	5	5	5	4	5	5	5	4	5	4	5	4	4	5	4	4	5	4	4	5	4	4
10	5	5	4	4	5	5	4	4	5	4	4	4	5	4	4	4	4	4	4	4	4	4

LSWG2-WL50-RGBW-2-750L-DMXRDM-MVOLT-90-20X50-WH

TEST NO.: **EL07102520**

INPUT WATTS: **9.2** LUMENS: **370** EFFICACY: **40** BEAM ANGLE: **20X50** SPACING CRITERIA: **0.33**



CANDELA TABLE		
	0°	90°
0°	786	786
10°	387	725
20°	119	491
30°	46	229
40°	23	86
50°	13	33
60°	8	14
70°	4	7
80°	2	2
90°	0	1

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	64
10° - 20°	112
20° - 30°	84
30° - 40°	48
40° - 50°	25
50° - 60°	14
60° - 70°	8
70° - 80°	4
80° - 90°	2

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	176	48%
0° - 30°	260	70%
0° - 40°	308	83%
0° - 60°	348	94%
0° - 80°	360	97%
0° - 90°	362	98%

CONE OF LIGHT

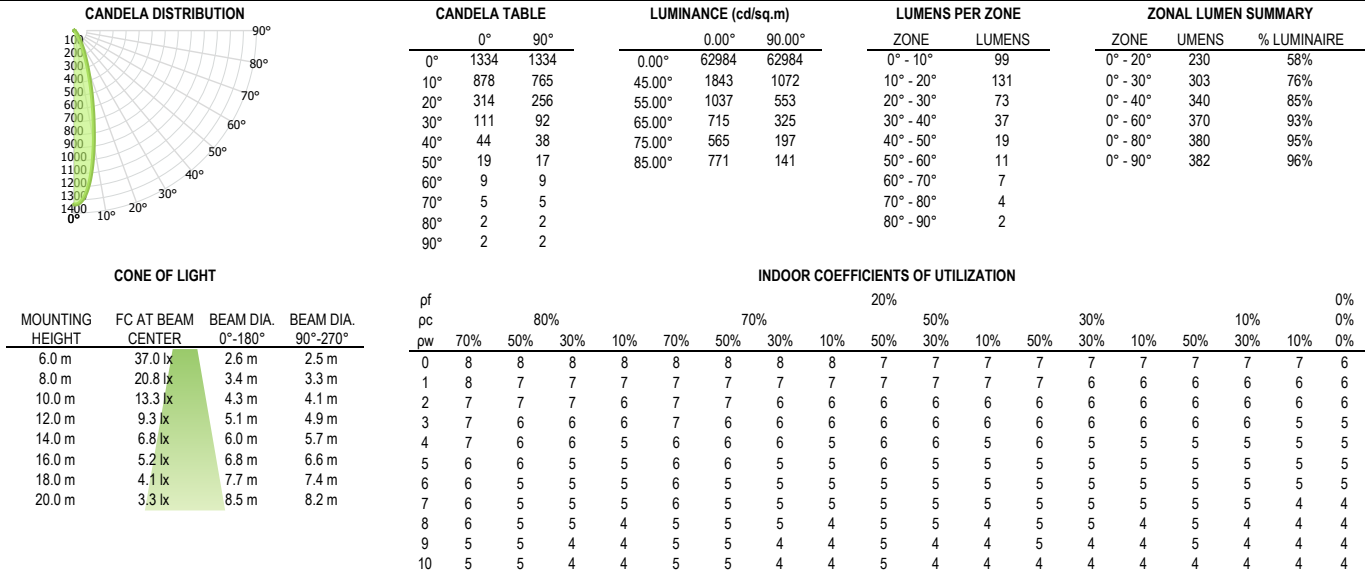
MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 m	21.8 lx	2.3 m	5.4 m
8.0 m	12.3 lx	3.0 m	7.1 m
10.0 m	7.9 lx	3.8 m	8.9 m
12.0 m	5.5 lx	4.6 m	10.7 m
14.0 m	4.0 lx	5.3 m	12.5 m
16.0 m	3.1 lx	6.1 m	14.3 m
18.0 m	2.4 lx	6.8 m	16.1 m
20.0 m	2.0 lx	7.6 m	17.8 m

INDOOR COEFFICIENTS OF UTILIZATION

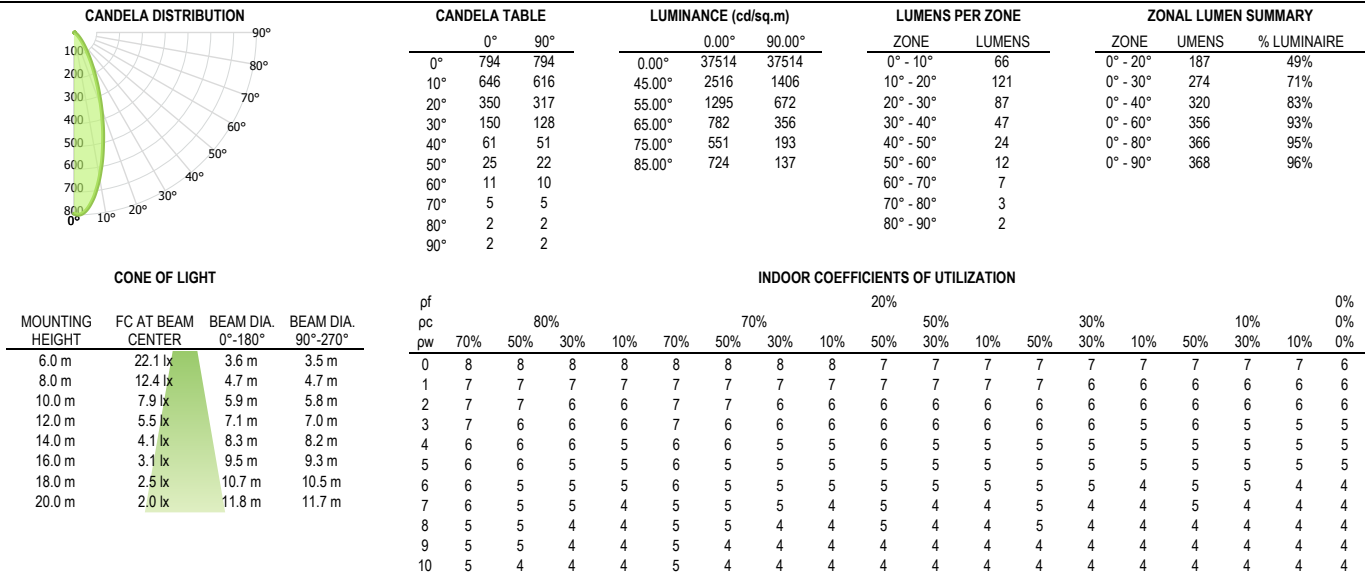
pf	pc	80%			70%			20%			50%			30%			10%			0%		
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	28	28	28	28	27	27	27	27	27	26	26	26	25	25	25	24	24	24	24	24	23	23
1	27	26	25	25	26	26	25	24	24	24	24	23	23	23	23	23	23	23	22	22	22	22
2	25	24	23	22	25	24	23	22	23	22	22	22	22	21	21	21	21	21	20	20	20	20
3	24	23	21	20	24	22	21	20	21	21	21	20	21	20	19	20	19	20	20	19	19	19
4	23	21	20	19	22	21	20	19	20	19	18	20	19	18	19	18	19	18	19	18	17	17
5	22	20	18	17	21	20	18	17	19	18	17	19	18	17	18	17	18	17	17	17	16	16
6	21	19	17	16	20	18	17	16	18	17	16	18	17	16	17	16	17	16	16	16	15	15
7	20	18	16	15	20	18	16	15	17	16	15	17	16	15	17	16	15	17	16	15	15	15
8	19	17	15	14	19	17	15	14	16	15	14	16	15	14	16	15	14	16	15	14	14	14
9	18	16	15	14	18	16	15	14	16	14	14	15	14	14	15	14	15	14	15	14	13	13
10	17	15	14	13	17	15	14	13	15	14	13	15	14	13	15	14	13	15	14	13	13	13

LSWG2-WL50-RGBW-2-750L-DMXRDM-MVOLT-90-25-WH

 TEST NO.: **EL07102520**

 INPUT WATTS: **10.2** LUMENS: **398** EFFICACY: **39** BEAM ANGLE: **25** SPACING CRITERIA: **0.43**

LSWG2-WL50-RGBW-2-750L-DMXRDM-MVOLT-90-35-WH

 TEST NO.: **EL07102520**

 INPUT WATTS: **9.9** LUMENS: **384** EFFICACY: **39** BEAM ANGLE: **35** SPACING CRITERIA: **0.58**


LSWG2-WL50-RGBW-2-750L-DMXRDM-MVOLT-90-45-WH

TEST NO.: EL07102520

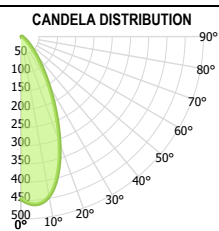
INPUT WATTS: 10.2

LUMENS: 380

EFFICACY: 37

BEAM ANGLE: 45

SPACING CRITERIA: 0.79



	0°	90°
0°	446	446
10°	444	449
20°	309	326
30°	152	167
40°	63	70
50°	25	28
60°	11	12
70°	6	6
80°	3	3
90°	2	2

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	21066	21066
45.00°	2554	1890
55.00°	1287	831
65.00°	841	443
75.00°	658	262
85.00°	822	155

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	42
10° - 20°	102
20° - 30°	99
30° - 40°	61
40° - 50°	31
50° - 60°	15
60° - 70°	8
70° - 80°	4
80° - 90°	2

ZONE	UMENS	% LUMINAIRE
0° - 20°	143	38%
0° - 30°	242	64%
0° - 40°	304	80%
0° - 60°	349	92%
0° - 80°	362	95%
0° - 90°	364	96%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 m	12.4 lx	5.3 m	5.3 m
8.0 m	7.0 lx	7.1 m	7.0 m
10.0 m	4.5 lx	8.8 m	8.8 m
12.0 m	3.1 lx	10.6 m	10.6 m
14.0 m	2.3 lx	12.4 m	12.3 m
16.0 m	1.7 lx	14.2 m	14.1 m
18.0 m	1.4 lx	15.9 m	15.8 m
20.0 m	1.1 lx	17.7 m	17.6 m

INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	70%									20%									0%								
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%							
0	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	6							
1	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	5							
2	7	7	6	6	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	5							
3	7	6	6	6	6	6	6	6	6	6	5	6	6	5	6	5	5	5	5	5							
4	6	6	5	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5							
5	6	5	5	5	6	5	5	5	5	5	5	5	5	5	5	4	5	5	4	4							
6	6	5	5	4	6	5	5	5	4	5	4	4	5	4	4	5	4	4	4	4							
7	5	5	4	4	5	5	4	4	5	4	4	4	4	4	4	4	4	4	4	4							
8	5	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3							
9	5	4	4	3	5	4	4	3	4	4	3	4	4	3	4	4	4	4	3	3							
10	5	4	4	3	5	4	4	3	4	3	3	4	3	3	4	3	4	3	3	3							