

## **RGBW LED WALL WASHER**

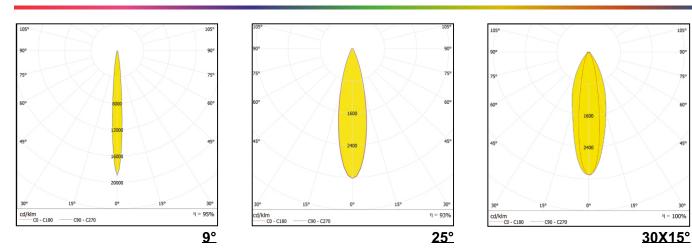
Dlinear is an energy efficient linear wall washer capable of creating Dramatic, customized lighting effect and patterns with the option of wide category of optics near far, narrow wide applications can be lit up creating mesmerized memory.



## **TECHNICAL DATA**

Product Code	Power (W)	Voltage (V)	Luminious Flux (Im)	Beam Angle (Degree)	ССТ	Luminious Efficacy (Im/v)
DL464640RGBW 1020XXXX	40	220-230	≥2000	10/25/40/Sym/Asym	RGBW	≥ 50

## POLAR PLOT



## **TECHNICAL DATASHEET**



LED Wattage (W)   >1-<3W     Operation Input Voltage(VAC)   140-270VAC     Operating input frequency range(Hz)   50-60Hz     Total Harmonic Distortion (%)   <15%     Power Factor   >0.9     Driver Efficiency   >85%     Driver Isolation   Yes     Over Voltage protection   Yes     Under voltage protection   Yes     Surge Protection   Yes     LED Open circuit protection   Yes     Surge Protection   6KV     Electrical Class   Class 2US, Class 2 EU     Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 50052013/41.2015, EN 61000-4, -3, -4, -5, -6, -8, -11.2014, EN 61000-3, -2, -321013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lurnen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9', 25'', 30X15''     Optic Material   PC/PMMA     Protector   Toughened Glass     Color Temperature (K)   ENVIRONMENTAL     Working Temp	ELECTRICAL					
Operating input frequency range(Hz) 50-80Hz   Total Harmonic Distortion (%) <15%	LED Wattage (W)	>1-<3W				
Total Harmonic Distortion (%)   <15%	Operation Input Voltage(VAC)	140-270VAC				
Power Factor   >0.9     Driver Efficiency   >85%     Driver Isolation   Yes     Over Voltage protection   Yes     Under voltage protection   Yes     Shot circuit protection   Yes     ELD Open circuit protection   Yes     Surge Protection   6kV     Electrical Class   Class 2US, Class 2 EU     Electroagnetic Compliance (EMC)   EN 85015/2013/A1:2015, EN 81000-3, -3, -4, -5, -6, -8, -11:2014, EN 81000-3, -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     Details   Operation by DMX512 RDM based Protocol.     LED   Osram, Seol, Refond, Lattice Power or Equivalent Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9', 25', 30X15'     Optic Material   PC/PMMA     Protector   Toughened Glass     Image:   -10 deg to +45 deg C     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0-95%     Max Alowable junction temp   80 deg C     Max Alowable junction temp   90 deg G     Life of Junction temperature @85 deg C   60000 hours     Housing <td< td=""><td>Operating input frequency range(Hz)</td><td>50-60Hz</td></td<>	Operating input frequency range(Hz)	50-60Hz				
Driver Efficiency   >85%.     Driver Isolation   Yes     Over Voltage protection   Yes     Short circuit protection   Yes     Short circuit protection   Yes     LED Open circuit protection   Yes     Electrical Class   Class 2US, Class 2 EU     Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 50015:2013/A1:2015, EN 61000.4, -3, -4, -5, -6, -8, -11:2014, EN 61000.3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     Color Temperature (K)     Beam Angle@ Chip   9', 25', 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Under time Temp.Range   -10 deg to +45 deg C     Working Temp.Range   0-95%     Max Accommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     Maxing   Aluminium Extrusion     IP Rating   IP66	Total Harmonic Distortion (%)	<15%				
Driver Isolation Yes   Over Voltage protection Yes   Under voltage protection Yes   Short circuit protection Yes   LED Open circuit protection Yes   Surge Protection 6kV   Electrical Class Class 2US, Class 2 EU   Electroal Class Class 2US, Class 2 EU   Electroal Class Class 2US, Class 2 EU   Electromagnetic Compliance (EMC) EN 55015:2013/k1:2015, EN 61000-4, -3, -4, -5, -6, -8, -11:2014, EN 61000-3 -2, -3:2013   Mode of Operation Operation by DMX512 RDM based Protocol.   OPTICAL   LED Osram, Seol, Refond, Lattice Power or Equivalent   BIN Details Highest Lumen Bin   Color Temperature (K) RGBW   Beam Angle@ Chip 9', 25'', 30X15''   Optic Material PC/PMMA   Protector Toughened Glass   Color Temperature (K) RGBW   Beam Angle@ Chip 9', 25'', 30X15''   Optic Material PC/PMMA   Protector Toughened Glass   Color Temperature (K) So deg C   Max Recommended junction temp 80 deg C   Max Recommended junction temp 90 deg C   Life of Junction temperature @85 deg C 60000 hours   MECHANICAL Housing	Power Factor	>0.9				
Over Voltage protection Yes   Under voltage protection Yes   Short circuit protection Yes   LED Open circuit protection KV   Electrical Class Class 2US, Class 2 EU   Electromagnetic Compliance (EMC) EN 65015:2013/d1:2015, EN 61000-3, -2, -3, -6, 6, -11:2014, EN 61000-3 -2, -3:2013   Mode of Operation Operation by DMX512 RDM based Protocol.   OPTICAL   LED Osram, Seol, Refond, Lattice Power or Equivalent   BIN Details Highest Lumen Bin   Color Temperature (K) RGBW   Beam Angle@ Chip 9°, 25°, 30X15°   Optic Material PC/PMMA   Protector Toughened Glass   Color Temp.Range -10 deg to +45 deg C   Working Temp.Range 0-95%   Max Recommended junction temp 80 deg C   Max Allowable junction temp 90 deg C   Life of Junction temperature @85 deg C 60000 hours   MECHANICAL   Housing Aluminium Extrusion   IP Rating IP66	Driver Efficiency	>85%				
Under voltage protection   Yes     Short circuit protection   Yes     LED Open circuit protection   6kV     Electrical Class   Class 2US, Class 2 EU     Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 56015/2013/A1:2015, EN 61000-4, -3, -4, -5, -6, -8, -11:2014, EN 6100-3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0.95%     Max Allowable junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     IP Rating   IP66	Driver Isolation	Yes				
Short circuit protection   Yes     LED Open circuit protection   6kV     Surge Protection   6kV     Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 55015:2013/A1:2015, EN 61000-4, -3, -4, -5, -6, -8, -11:2014, EN 61000-3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Ity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MetCHANICAL   Housing     Housing   Aluminium Extrusion     IP Rating   IP66	Over Voltage protection	Yes				
LED Open circuit protection   Yes     Surge Protection   6kV     Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 55015:2013/A1:2015, EN 61000-4, -3, -4, -5, -6, -8, -11:2014, EN 61000-3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     EnvironMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Temp.Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     If er Junction temperature @85 deg C   60000 hours     IP Rating   IP66	Under voltage protection	Yes				
Surge Protection   6kV     Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 55015:2013/A1:2015, EN 61000-4, -3, -4, -5, -6, -8, -11:2014, EN 61000-3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     EnvviRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Temp.Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL   Housing     Housing   Aluminium Extrusion     IP Rating   IP66	Short circuit protection	Yes				
Electrical Class   Class 2US, Class 2 EU     Electromagnetic Compliance (EMC)   EN 55015:2013/A1:2015, EN 61000-4, -3, -4, -5, -6, -8, -11:2014, EN 61000-3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Color Temp.Range   -10 deg to +45 deg C     Working Temp.Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     Mating   IP66	LED Open circuit protection	Yes				
Electromagnetic Compliance (EMC)   EN 55015:2013/A1:2015,     EN 61000-4, -3, -4, -5, -6,   -8, -11:2014, EN 61000-3     -2, -3:2013   Operation by DMX512     Mode of Operation   Operation by DMX512     RDM based Protocol.   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     EnvirRONMENTAL   Working Temp.Range     Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     Max Recommended junction temp   90 deg C     If end Junction temperature @85 deg C   60000 hours     MECHANICAL   Housing   Aluminium Extrusion     IP Rating   IP66	Surge Protection	6kV				
EN 61000-4, -3, -4, -5, -6,     -8, -11:2014, EN 61000-3     -2, -3:2013     Mode of Operation     Operation by DMX512     RDM based Protocol.     OPTICAL     LED     BIN Details     Highest Lumen Bin     Color Temperature (K)     Beam Angle@ Chip     9°, 25°, 30X15°     Optic Material     PC/PMMA     Protector     Toughened Glass     ENVIRONMETTAL     Working Temp.Range     -10 deg to +45 deg C     Working Humidity Range     0-95%     Max Recommended junction temp     80 deg C     Max Allowable junction temp     90 deg C     Life of Junction temperature @85 deg C     MECHANICAL     Housing     IP Rating	Electrical Class	Class 2US, Class 2 EU				
-8, -11:2014, EN 61000-3 -2, -3:2013     Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANIC     Housing   Aluminium Extrusion     IP Rating   IP66	Electromagnetic Compliance (EMC)	EN 55015:2013/A1:2015,				
-2, -3:2013Mode of OperationOperation by DMX512 RDM based Protocol.OPTICALLEDOsram, Seol, Refond, Lattice Power or Equivalent Highest Lumen BinBIN DetailsHighest Lumen BinColor Temperature (K)RGBWBeam Angle@ Chip9°, 25°, 30X15°Optic MaterialPC/PMMAProtectorToughened GlassENVIRONMENTALWorking Temp.Range-10 deg to +45 deg CWorking Humidity Range0-95%Max Recommended junction temp80 deg CMax Allowable junction temp90 deg CLife of Junction temperature @85 deg C60000 hoursHousingAluminium ExtrusionIP RatingIP66		EN 61000-4, -3,-4, -5, -6,				
Mode of Operation   Operation by DMX512 RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction tempreature @85 deg C   60000 hours     MECHANICAL   Housing     Housing   Aluminium Extrusion     IP Rating   IP66						
RDM based Protocol.     OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL     Housing   Aluminium Extrusion     IP Rating   IP66						
OPTICAL     LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Chip Stream	Mode of Operation	Operation by DMX512				
LED   Osram, Seol, Refond, Lattice Power or Equivalent     BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Chip Color Temperature (K)   ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL   Aluminium Extrusion     IP Rating   IP66		RDM based Protocol.				
BIN Details   Highest Lumen Bin     Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Strain	OPTICAL					
Color Temperature (K)   RGBW     Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Color Temperature (K)   ENVIRONMENTAL     Working Temp.Range   -10 deg to +45 deg C     Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL   Housing     IP Rating   IP66	LED	Osram, Seol, Refond, Lattice Power or Equivalent				
Beam Angle@ Chip   9°, 25°, 30X15°     Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Second S	BIN Details	Highest Lumen Bin				
Optic Material   PC/PMMA     Protector   Toughened Glass     Image: Constraint of the system of	Color Temperature (K)	RGBW				
Protector   Toughened Glass     Image: Constraint of the system of t	Beam Angle@ Chip	9°, 25°, 30X15°				
Image: Book of the second s	Optic Material	PC/PMMA				
Working Temp.Range-10 deg to +45 deg CWorking Humidity Range0-95%Max Recommended junction temp80 deg CMax Allowable junction temp90 deg CLife of Junction temperature @85 deg C60000 hoursMECHANICALHousingAluminium ExtrusionIP RatingIP66	Protector	Toughened Glass				
Working Temp.Range-10 deg to +45 deg CWorking Humidity Range0-95%Max Recommended junction temp80 deg CMax Allowable junction temp90 deg CLife of Junction temperature @85 deg C60000 hoursMECHANICALHousingAluminium ExtrusionIP RatingIP66						
Working Temp.Range-10 deg to +45 deg CWorking Humidity Range0-95%Max Recommended junction temp80 deg CMax Allowable junction temp90 deg CLife of Junction temperature @85 deg C60000 hoursMECHANICALHousingAluminium ExtrusionIP RatingIP66						
Working Humidity Range   0-95%     Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL     Housing   Aluminium Extrusion     IP Rating   IP66	ENVIRONMENTAL					
Max Recommended junction temp   80 deg C     Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL     Housing   Aluminium Extrusion     IP Rating   IP66	Working Temp.Range	-10 deg to +45 deg C				
Max Allowable junction temp   90 deg C     Life of Junction temperature @85 deg C   60000 hours     MECHANICAL     Housing   Aluminium Extrusion     IP Rating   IP66	Working Humidity Range	0-95%				
Life of Junction temperature @85 deg C 60000 hours   MECHANICAL   Housing Aluminium Extrusion   IP Rating IP66	Max Recommended junction temp	80 deg C				
MECHANICAL   Housing Aluminium Extrusion   IP Rating IP66	Max Allowable junction temp	90 deg C				
Housing Aluminium Extrusion   IP Rating IP66	Life of Junction temperature @85 deg C	60000 hours				
IP Rating IP66	MECHANICAL					
	Housing	Aluminium Extrusion				
IK Rating IK07	IP Rating	IP66				
	IK Rating	IK07				