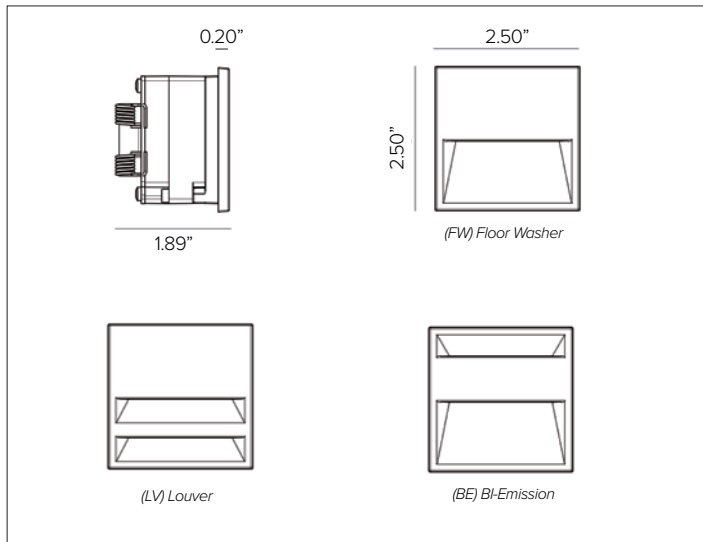


# ZEDGE MINI

## Miniature LED Steplight



Left to right, shown in Louver faceplate shown in Deep Black finish, Bi-Emission faceplate shown in Ferrite Dark Grey finish, Floor Washer faceplate shown in Sandstone Grey finish.



### CONCEPT

Recessed LED steplight for indoor and outdoor applications. Designed in collaboration with Gensler as Product Design Consultant.

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	2.5"W x 2.5"H x 1.89"D
<b>Materials</b>	Die-cast anodized aluminum body fitted with a spring fixing system. Powder coated die-cast anodized aluminum external frame. Aesthetically pleasing with no visible hardware.
<b>Finish</b>	Textured finish. <ul style="list-style-type: none"> <li>● Ferrite Dark Grey   ● Heritage Brown   ● Bronze</li> <li>● Black   ● White   ● Sandstone Grey</li> </ul>
<b>Power Connection</b>	Pre-cabled with 3' Belden 18ga 2 conductor direct burial cable (no conduit required).
<b>Mounting</b>	To be completed with installation back box. Fixture secured with stainless steel spring system for semi-flush installation only. Recommended mounting height is +18" A.F.F.
<b>BUG</b>	B0-U0-G0 Dark Sky Compliant / B0-U1-G0 BE Emission only
<b>Weight</b>	0.35lbs
<b>Protection</b>	IP66
<b>Impact</b>	IK10

### CERTIFICATIONS

cULus Class 2 Wet Location Listed E479873.  
 Tested in accordance with LM-79-08.  
 Compliant for California installations.  
 RoHS3 EU 215/863  
**CEC T24 JA8-2019-E certified, ZEDGE MINI HO version only in conjunction with DMLE601242UD driver.**

### WARRANTY

5 year limited warranty

### SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

### ELECTRICAL CHARACTERISTICS

<b>Power Supply</b>	Remote Class 2, 120V-277VAC power supply required, see available options. Flicker free dimming achieved through driver.
<b>Wattage</b>	4W
<b>Voltage</b>	24V DC
<b>Ambient Temp.</b>	-25°C / +35°C (95°F)

### SOURCE

High Efficiency LED Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
ZEDGE MINI version	2700K	90	83	97	2
	3000K	90	83	97	2
	3500K	90	84	97	2
	4000K	90	83	96	2
	TA 590nm	-	-	-	-
ZEDGE MINI HO version	2700K	90	91	100	2
	3000K	90	90	100	2
	3500K	90	84	97	2
	4000K	90	90	99	2
TA 590nm	-	-	-	-	-

### OPTIC

Uniform optical distribution and excellent visual comfort. Optical system is dependent version. FW / LV / BE versions are comprised of polycarbonate opal lens. HOFW version is comprised of polycarbonate clear lens. LV version comprised of a high reflectance anodized aluminum reflector.

Beam		FW 56°X94°	LV 49°X103°	BE 48°X79°	HO FW 27°X63°
<b>Delivered Lumens</b>	<b>2700K</b>	68Lm	29Lm	95Lm	171Lm
	<b>3000K</b>	72Lm	31Lm	101Lm	181Lm
	<b>3500K</b>	74Lm	34Lm	104Lm	186Lm
	<b>4000K</b>	74Lm	32Lm	104Lm	187Lm
<b>Efficacy</b>	48Lm/W max. Refer to photometric graphs for specific values.				
<b>Lifetime</b>	L80/B10 56,000hrs at max TA +25°C				
<b>Photobiological Classification</b>	Low risk photobiological safety RG1				

# ZEDGE MINI

## SPECIFICATION INFORMATION

ZES							/		/
1	2	3	4	5	6	7	8	9	10
Ex: ZESRPFWFEL33024 / 1US3166-B / DMLE301242UD							OPTIONAL		REQUIRED

1 - PRODUCT CODE	2 - DRIVER	3 - FACEPLATE	4 - FINISH	5 - WATTAGE	6 - KELVIN	7 - VOLTAGE			
ZES — ZEDGE MINI	RP — Remote Power	FW — Floor Washer LV — Louver BE — Bi-Emission	FE — Ferrite Dark Grey HB — Heritage Brown BZ — Bronze	L3 — 4W	27 — 2700K 30 — 3000K 35 — 3500K	24 — 24V DC			
ZESHO <sup>B</sup> — ZEDGE MINI HIGH OUTPUT		FW — Floor Washer	WT — White BT — Black SG — Sandstone Grey RAL — <a href="#">Custom RAL</a>	L2 — 4W	40 — 4000K TA — Turtle Amber				
8 - OPTIONAL	9 - INSTALLATION	10 - POWER SUPPLY							
MG <sup>A</sup> — Marine Grade	<a href="#">PVC Back Box</a> <i>See section for details</i> <a href="#">Stainless Steel Back Box</a> <i>See section for details</i> <a href="#">Mud Kit</a> <i>See section for details</i>	<a href="#">Power Supply</a> <i>See section for details</i>							

<sup>A</sup> Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cataphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

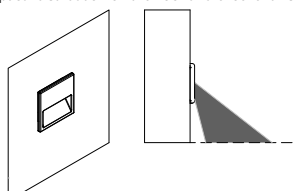
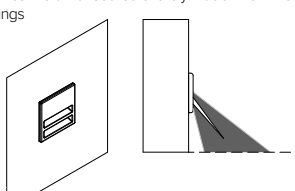
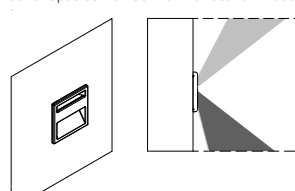
<sup>B</sup> High Output version only available in FW faceplate and L2 wattage.

For applicable quick ship items, see model configurations listed below. Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantities of over 20pcs to confirm lead time.

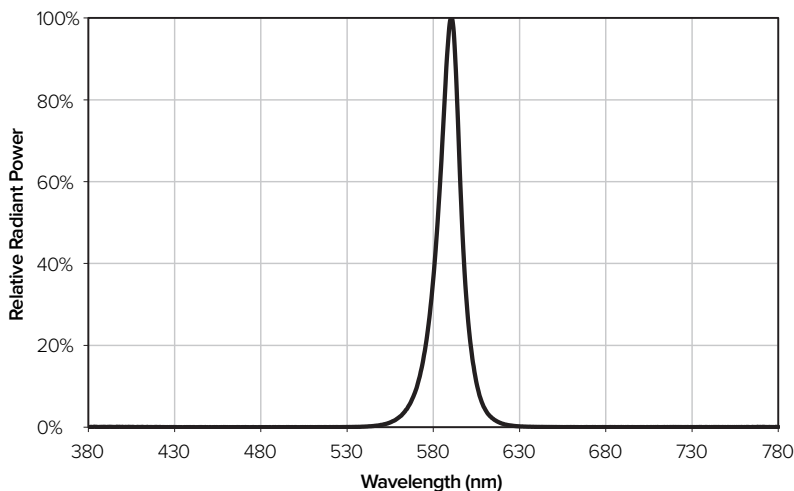
 QSZESRPFWFEL33024 + 1US3166 + DMLE301242UD / DMLE601242UD / DMLE961242UD  
 QSZESRPFWBTL33024 + 1US3166 + DMLE301242UD / DMLE601242UD / DMLE961242UD

 JA8 Compliant ZEDGE MINI HO version ONLY in conjunction with DMLE601242UD driver.

## FACEPLATE VERSIONS

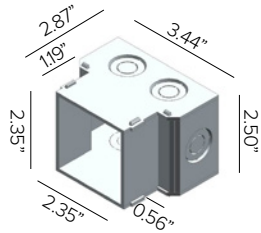
<p><b>(FW) FLOOR WASHER</b></p> <p>Uniform optical distribution on the floor and excellent visual comfort.</p> 	<p><b>(LV) LOUVER</b></p> <p>High visual comfort with source entirely hidden from view through two openings</p> 	<p><b>(BE) BI-EMISSION</b></p> <p>The floor washer optic combined with indirect illumination.</p> 
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## RELATIVE SPECTRAL POWER DISTRIBUTION (TURTLE AMBER VERSION ONLY)



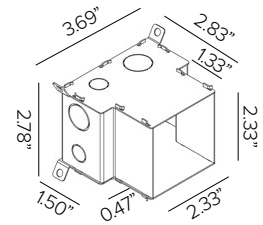
# ZEDGE MINI

## 9 – INSTALLATION (REQUIRED)



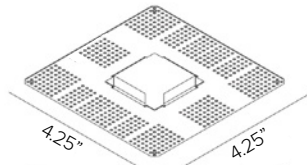
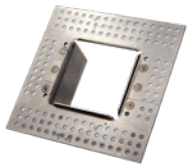
ZEDGE MINI PVC installation back box for semi-flush installations fitted for parallel connection with feed through-wiring, black finish. 6ea knockouts for 1/2" conduit made for low voltage cable (no conduit required, Class 2 wiring). **For use in drywall or stucco applications.**

Part No. **1US3166-B**



ZEDGE MINI stainless steel installation back box for semi-flush installations fitted for parallel feed through-wiring connection. 2ea 3/8" and 2ea 1/2" grommets provided for low voltage cable (no conduit required, Class 2 wiring). **For use in concrete pour outdoor/harsh environment applications.**

Part No. **1US3166**



ZEDGE MINI mud plate. **For use in retrofit Class 2 installations in drywall or stucco applications.**

Part No. **1USMK01**

# ZEDGE MINI

## 10 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
<b>DMLE301242UD</b>	30W	MLV / ELV / 0-10V / TRIAC	0-10V <5% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DMLE601242UD<sup>c</sup></b>	60W	MLV / ELV / 0-10V / TRIAC	0-10V <5% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DMLE961242UD</b>	96W	MLV / ELV / 0-10V / TRIAC	0-10V <5% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DEDDX100241CDMX</b>	100W	DMX 1Ch Group Control	0%	NEMA3R	120-277V / 24V	UR Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DMLE1922242UD</b>	2X96W	MLV / ELV / 0-10V / TRIAC	0-10V <5% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DEDDX200241CDMX</b>	2X100W	DMX 1Ch Group Control	0%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DMLE2882242UD</b>	3X96W	MLV / ELV / 0-10V / TRIAC	0-10V <5% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.

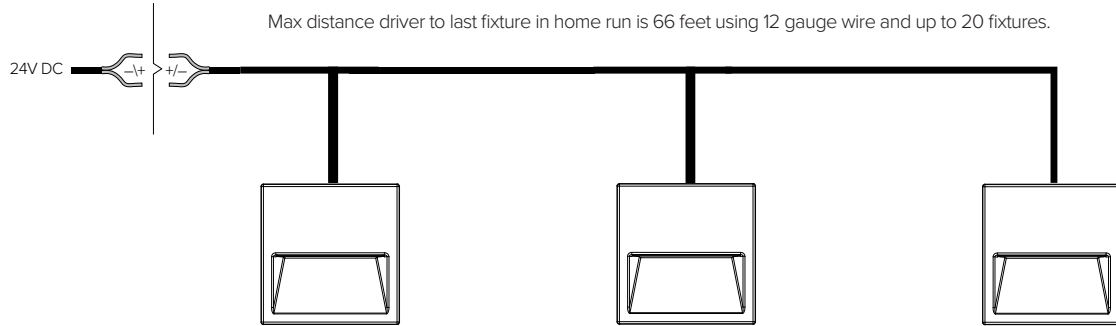
MAX FIXTURES PER DRIVER							
Fixture Wattage	Driver Wattage						
	30W	60W	96W	100W	2X96W	3X96W	3X100W
	4W	6	12	19	20	19+19	19+19+19

MAX CABLE DISTANCE						
Fixture Wattage	No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
4W	6	≤24W	55ft	90ft	140ft	225ft
	12	≤48W	28ft	45ft	70ft	110ft
	19	≤64W	21ft	33ft	52ft	83ft

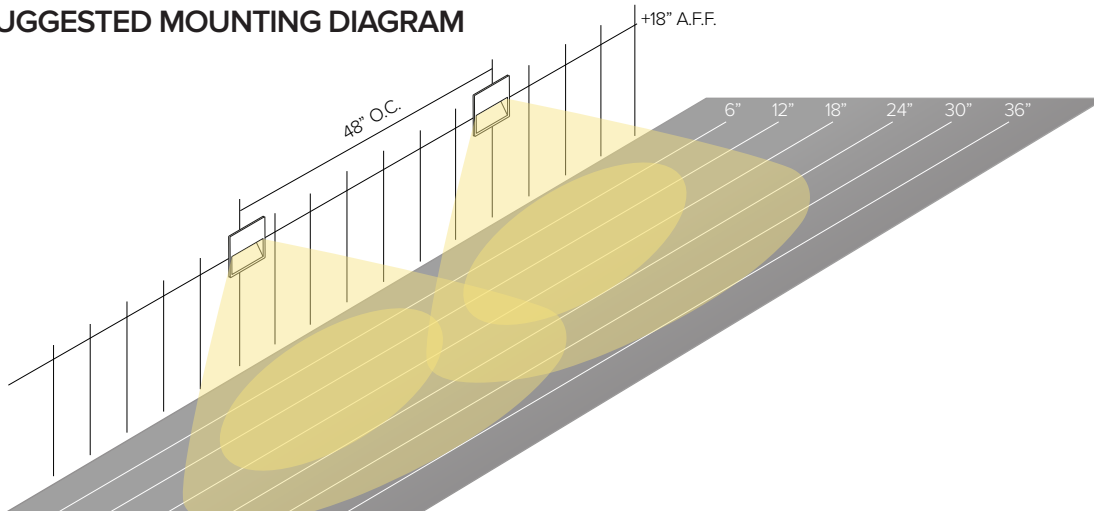
*\*Voltage drop calculations are based on 3% max drop to last fixture in run for load and distances below*

# ZEDGE MINI

## WIRING DIAGRAM



## SUGGESTED MOUNTING DIAGRAM



Recommended mounting height is +18" A.F.F. on 48" center spacing to meet egress requirements of 1fc minimum.  
*\*Fixture calculated Floor Wash Faceplate using 3000K and White finish.*

# ZEDGE MINI

## PHOTOMETRY

### ZEDGE MINI – FLOOR WASHER

	2700K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	56°	94°				
	Fixture Power	4W	1	2.59	2.40	38	
	Source Flux	523lm	2	5.18	4.79	9	
	Fixture Flux	68lm	3	7.78	7.19	4	
	Efficacy	17lm/W	4	10.37	9.59	2	
TS1882	I <sub>max</sub> =90cd/klm	I <sub>max</sub>	47cd	5	12.96	11.98	2

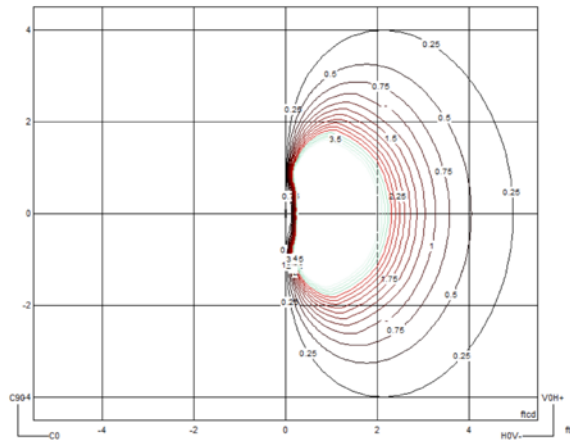
	3000K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	56°	94°				
	Fixture Power	4W	1	2.59	2.40	40	
	Source Flux	555lm	2	5.19	4.79	10	
	Fixture Flux	72lm	3	7.78	7.19	4	
	Efficacy	18lm/W	4	10.37	9.59	3	
TS1882	I <sub>max</sub> =90cd/klm	I <sub>max</sub>	50cd	5	12.97	11.99	2

	3500K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	56°	94°				
	Fixture Power	4W	1	2.59	2.40	41	
	Source Flux	570lm	2	5.19	4.79	10	
	Fixture Flux	74lm	3	7.78	7.19	5	
	Efficacy	19lm/W	4	10.37	9.59	3	
TS1882	I <sub>max</sub> =90cd/klm	I <sub>max</sub>	51cd	5	12.96	11.98	2

	4000K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	56°	94°				
	Fixture Power	4W	1	2.59	2.40	41	
	Source Flux	573lm	2	5.19	4.79	10	
	Fixture Flux	74lm	3	7.78	7.19	5	
	Efficacy	19lm/W	4	10.37	9.59	3	
TS1882	I <sub>max</sub> =90cd/klm	I <sub>max</sub>	52cd	5	12.96	11.98	2

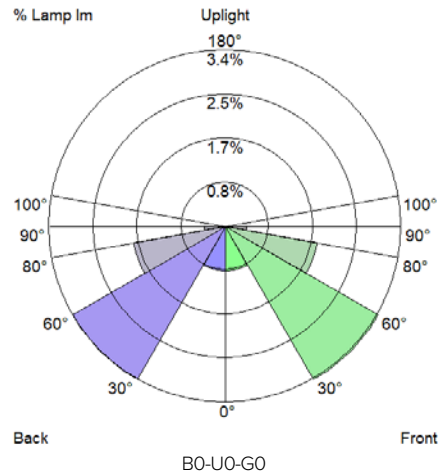
	Turtle Amber	H(m)	D1(m)	D2(m)	Emax(lx)		
	-	56°	94°				
	Fixture Power	4W	1	2.59	2.40	16	
	Source Flux	215lm	2	5.19	4.79	4	
	Fixture Flux	28lm	3	7.78	7.19	2	
	Efficacy	7lm/W	4	10.37	9.59	1	
TS1882 - Amber	I <sub>max</sub> =90cd/klm	I <sub>max</sub>	19cd	5	12.97	11.99	1

### ISOLUX DIAGRAM



MOUNTING HEIGHT = 18"

### LCS GRAPH



# ZEDGE MINI

## PHOTOMETRY

### ZEDGE MINI – LOUVER

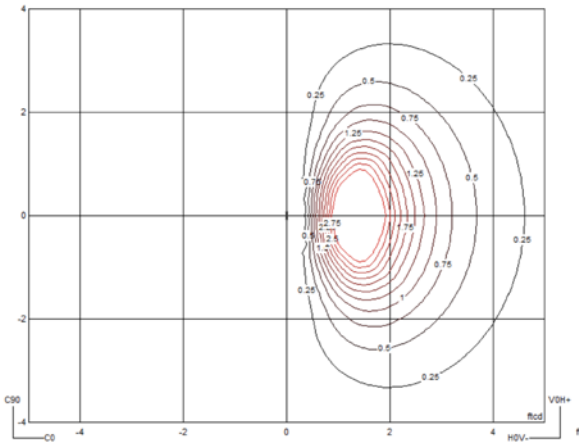
		2700K	H(m) D1(m) D2(m) Emax(lx)				
		Ra90	49°		101°		
Fixture Power	4W	1	8.06	3.76	8		
Source Flux	523lm	2	16.12	7.52	2		
Fixture Flux	29lm	3	24.17	11.28	1		
Efficacy	7lm/W	4	32.23	15.04	0		
TS1884	Imax=46cd/klm	Imax	24cd	5	40.29	18.80	0

		3000K	H(m) D1(m) D2(m) Emax(lx)				
		Ra90	49°		101°		
Fixture Power	4W	1	8.07	3.76	8		
Source Flux	555lm	2	16.14	7.52	2		
Fixture Flux	31lm	3	24.21	11.28	1		
Efficacy	8lm/W	4	32.29	15.03	1		
TS1884	Imax=46cd/klm	Imax	26cd	5	40.36	18.79	0

		3500K	H(m) D1(m) D2(m) Emax(lx)				
		Ra90	49°		101°		
Fixture Power	4W	1	7.98	3.76	9		
Source Flux	570lm	2	15.95	7.52	2		
Fixture Flux	34lm	3	23.93	11.27	1		
Efficacy	9lm/W	4	31.91	15.03	1		
TS1884	Imax=46cd/klm	Imax	26cd	5	39.88	18.79	0

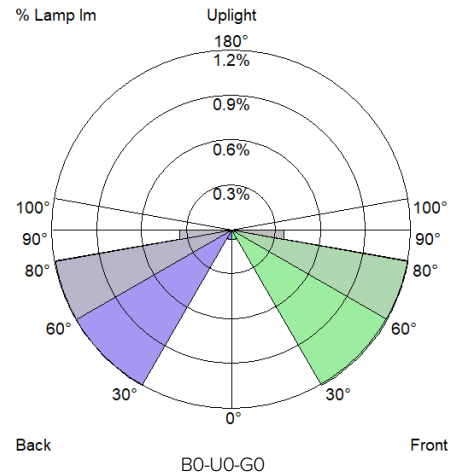
		4000K	H(m) D1(m) D2(m) Emax(lx)				
		Ra90	49°		101°		
Fixture Power	4W	1	8.05	3.76	9		
Source Flux	573lm	2	16.10	7.51	2		
Fixture Flux	32lm	3	24.15	11.27	1		
Efficacy	8lm/W	4	32.20	15.03	1		
TS1884	Imax=46cd/klm	Imax	27cd	5	40.25	18.78	0

### ISOLUX DIAGRAM



MOUNTING HEIGHT = 18"

### LCS GRAPH



# ZEDGE MINI

## PHOTOMETRY

### ZEDGE MINI – BI-EMISSION

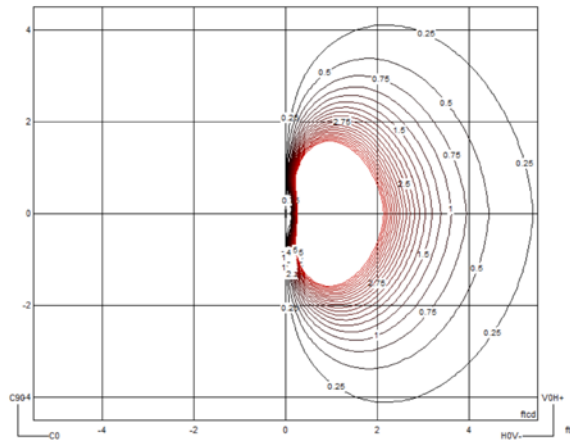
	2700K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	48°	79°				
	Fixture Power	4W	1	1.69	1.89	63	
	Source Flux	523lm	2	3.37	3.77	16	
	Fixture Flux	95lm	3	5.06	5.66	7	
	Efficacy	24lm/W	4	6.75	7.54	4	
	TS1883	I <sub>max</sub> =164cd/klm	I <sub>max</sub>	86cd	5	8.43	9.43

	3000K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	48°	79°				
	Fixture Power	4W	1	1.69	1.89	67	
	Source Flux	555lm	2	3.37	3.77	17	
	Fixture Flux	101lm	3	5.06	5.66	7	
	Efficacy	26lm/W	4	6.75	7.54	4	
	TS1883	I <sub>max</sub> =164cd/klm	I <sub>max</sub>	91cd	5	8.43	9.43

	3500K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	48°	79°				
	Fixture Power	4W	1	1.69	1.89	69	
	Source Flux	570lm	2	3.37	3.77	17	
	Fixture Flux	104lm	3	5.06	5.66	8	
	Efficacy	27lm/W	4	6.75	7.54	4	
	TS1883	I <sub>max</sub> =164cd/klm	I <sub>max</sub>	94cd	5	8.43	9.43

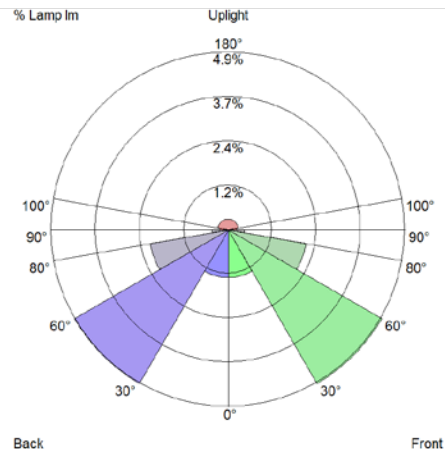
	4000K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90	48°	79°				
	Fixture Power	4W	1	1.69	1.89	69	
	Source Flux	573lm	2	3.37	3.77	17	
	Fixture Flux	104lm	3	5.06	5.66	8	
	Efficacy	27lm/W	4	6.75	7.54	4	
	TS1883	I <sub>max</sub> =164cd/klm	I <sub>max</sub>	94cd	5	8.43	9.43

### ISOLUX DIAGRAM



MOUNTING HEIGHT = 18"

### LCS GRAPH



# ZEDGE MINI

## PHOTOMETRY

### ZEDGE MINI HO – FLOOR WASHER

	2700K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		27°	63°			
	Fixture Power	4W	1	0.64	1.33	182	
	Source Flux	523lm	2	1.27	2.67	46	
	Fixture Flux	166lm	3	1.91	4.00	20	
	Efficacy	43lm/W	4	2.55	5.33	11	
TS1456	I <sub>max</sub> =427cd/klm	I <sub>max</sub>	223cd	5	3.19	6.66	7

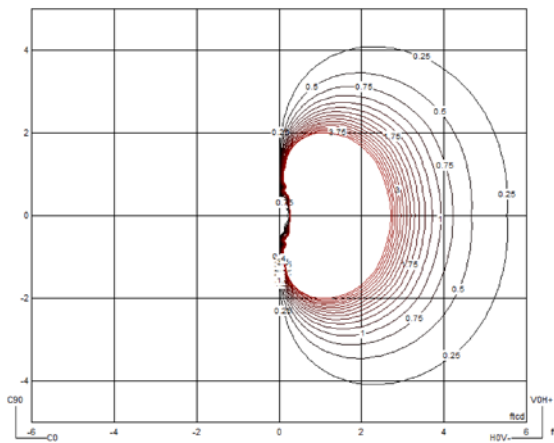
	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		27°	63°			
	Fixture Power	4W	1	0.64	1.33	193	
	Source Flux	555lm	2	1.27	2.67	48	
	Fixture Flux	176lm	3	1.91	4.00	21	
	Efficacy	45lm/W	4	2.55	5.33	12	
TS1456	I <sub>max</sub> =427cd/klm	I <sub>max</sub>	237cd	5	3.19	6.66	8

	3500K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		27°	63°			
	Fixture Power	4W	1	0.64	1.33	199	
	Source Flux	570lm	2	1.27	2.67	50	
	Fixture Flux	181lm	3	1.91	4.00	22	
	Efficacy	46lm/W	4	2.55	5.33	12	
TS1456	I <sub>max</sub> =427cd/klm	I <sub>max</sub>	243cd	5	3.19	6.66	8

	4000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		27°	63°			
	Fixture Power	4W	1	0.64	1.33	200	
	Source Flux	573lm	2	1.27	2.67	50	
	Fixture Flux	187lm	3	1.91	4.00	22	
	Efficacy	48lm/W	4	2.55	5.33	12	
TS1456	I <sub>max</sub> =427cd/klm	I <sub>max</sub>	245cd	5	3.19	6.66	8

	Turtle Amber	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	-		27°	63°			
	Fixture Power	4W	1	0.64	1.33	75	
	Source Flux	215lm	2	1.27	2.67	19	
	Fixture Flux	68lm	3	1.91	4.00	8	
	Efficacy	18lm/W	4	2.55	5.33	5	
TS1456 - Amber	I <sub>max</sub> =427cd/klm	I <sub>max</sub>	92cd	5	3.19	6.66	3

### ISOLUX DIAGRAM



MOUNTING HEIGHT = 18"

### LCS GRAPH

