GUARDIANS

LED ARCHITECTURAL DOWNLIGHT

RECESSED DOWNLIGHT

The GUARDIANS series is the 4, 5 and 6-inch commercial downlight family from ERALUX. This downlight features a spring mechanisms that makes installation a breeze. It is perfect for retrofit and for new constructions environment. The 4 inches can achieve up to 2500 lumens, 5 inches can achieve up to 3600 lumens and the 6 inches can achieve up to 4300 lumens at 90 CRI, 3000K. The GUARDIANS Series separates itself from competitor downlights by having selectable lumens, CCT switches, and magnetic reflector enabling high flexibility at the project location.

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DATE							
PROJECT NAME							
YPE							
QTY							

-11V

eralux®

OPERATING & ELE	CTRICAL
INPUT VOLTAGE	120-277 Vac
POWER FACTOR	0.9
TOTAL HARMONIC DISTORTION(THD)	<20%

AMBIENT TEMPERATURE RANGE	-20°C to 45°C
PROTECTION	IP54

AE-DL-GR

COMPATIBLE MOUNTING

MOUNTING

ORDERIN

G CODE

Recessed

PERFORMANCE								
LUMENS PER WATT	110LPW at 90CRI							
BEAM ANGLE	24°, 38°, 60°							
DIMMING	0-10V external dimming (Dim down to 10%) TRIAC dimming							

MECHANICAL & HOUSING

HOUSING	Aluminum
LENS	PMMA and high transmittance lens
FINISH	Black, White
POWER SUPPLY	Factory wired electronic LED driver
LED BOARD	СОВ

WARRANTY

SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE - L85 at 50,000 hours

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES)

eralux® GUARDIANS

LED ARCHITECTURAL DOWNLIGHT

RECESSED DOWNLIGHT

DATE PROJECT TYPE QTY ORDERIN G CODE AE-DL-GR

ORDERING GUIDE

EXAMPLE: AE-DL-GR-4-UV-20W-WH-XP2724BK

FIXTURE FAMILY	SIZE	INPUT VOLTAGE	POWER	REFLECTOR FINISH	CONTROLS	CRI &CCT	BEAM ANGLE	FLANGE FINISH
AE-DL-GR	-	- UV	-		-X			
AE-DL-GR ERALUX Guardians Series Led commercial	-4 4 inches	- UV 120-277V	-20W Power: 20W Lumens: 1694 lms	-WH WHITE	-X Dual dimming	P27 2700k CCT At 90 CRI	24 24° Beam angle	BK Black finish
downlight.				-BK Black				
				DLACK		P30 3000k CCT At 90 CRI	38 38° Beam angle	WH White finish
			-25W	-GD			_	
			Power: 25W Lumens: 2190 Ims	GOLD		P35 3500k CCT At 90 CRI		
				-DF	-			
				DIFFUSED MATT SILVER		P40 4000k CCT At 90 CRI	60 60° Beam angle	
				-SP Specular Bright silver	-	P50 5000k CCT At 90 CRI		

FIXTURE FAMILY	SIZE	INPUT VOLTAGE	POWER	REFLECTOR FINISH	CONTROLS	CRI &CCT	BEAM ANGLE	FLANGE FINISH
AE-DL-GR	-	- UV	-	-	-X			
AE-DL-GR ERALUX Guardians Series Led commercial	-5 5 inches	- UV 120-277∨	-20W Power: 20W Lumens: 1694 Ims	-WH WHITE	-X Dual dimming	P27 2700k CCT At 90 CRI	24 24° Beam angle	BK Black finish
downlight.			-25W Power:	- BK Black				
			25W Lumens: 2190 lms	BLACK		P30 3000k CCT At 90 CRI	38 38° Beam angle	WH White finish
			-30W -GD Power: GOLD 30W			P35 3500k CCT At 90 CRI	_	
			Lumens: 2441 lms	-DF DIFFUSED	_	AI 90 CRI		
				MATT SILVER		P40 4000k CCT At 90 CRI	60 60° Beam angle	_
			-35W	-SP	_	AI 70 CRI	ungie	
			Power: 35W Lumens: 3016 lms	Specular Bright silver		P50 5000k CCT At 90 CRI		

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eralux® GUARDIANS

LED ARCHITECTURAL DOWNLIGHT

RECESSED DOWNLIGHT

DATE								
PROJECT NAME								
TYPE								
QTY								
ORDERIN G CODE	AE-DL-GR	-	-UV	-	-	-x		-

ORDERING GUIDE

EXAMPLE: AE-DL-GR-6-UV-20W-WH-XP2724BK

FIXTURE FAMILY	SIZE	INPUT VOLTAGE	POWER	REFLECTOR FINISH	CONTROLS	CRI &CCT	BEAM ANGLE	FLANGE FINISH
AE-DL-GR	-	- UV	-	-	-X			
AE-DL-GR ERALUX Guardians Series Led commercial downlight.	- 6 6 inches	- UV 120-277 V	-20W Power: 20W Lumens: 1694 Ims	-WH WHITE	-X Dual dimming	P27 2700k CCT A† 90 CRI	24 24° Beam angle	BK Black finish
			-25W Power: 25W Lumens: 2190 lms	-BK Black	_	P30 3000k CCT At 90 CRI 90 P35 3500k CCT At 90 CRI 90	38 38° Beam angle	WH White finish
			-30W Power: 30W Lumens: 2441 lms	-GD Gold	_	P40 4000k CCT At 90 CRI	60 60° Beam angle	
			-35W Power: 35W Lumens: 3016 lms	-DF DIFFUSED MATT SILVER	_	P50 5000k CCT A† 90 CRI		
			-40W Power: 35W Lumens: 3600 lms					
			-45W Power: 45W Lumens: 4056 lms	-SP Specular Bright silver	_			

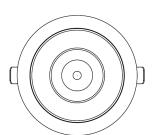
	DATE								
eralux®	PROJECT NAME								
GUARDIANS	TYPE								
LED ARCHITECTURAL DOWNLIGHT	QTY								
RECESSED DOWNLIGHT	ORDERIN G CODE	AE-DL-GR	-	-uv	-	-	-x		-

82.5

PRODUCT DIMENSIONS (mm)



GR125



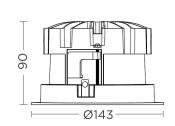
AE-DL-GR-4-XXX

AE-DL-GR-5-XXX

AE-DL-GR-6-XXX

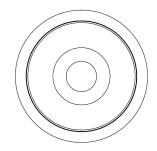
Driver's dimensions

20-25-30-35-40-45W



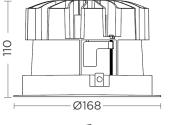
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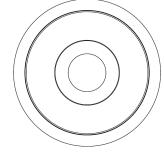
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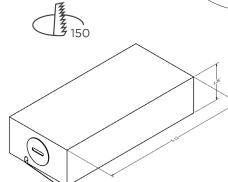












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eralux®	DATE PROJECT NAME							 	
GUARDIANS	TYPE								
D ARCHITECTURAL DOWNLIGHT	QTY								
ECESSED DOWNLIGHT	ORDERIN G CODE	AE-DL-GR	-	-UV	-	-	-x		-

ACCESSORIES

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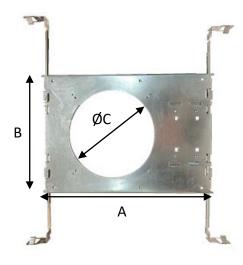
Ordered separately, field installed

NEW CONSTRUCTION UNIVERSAL FRAME KIT



	MATERIAL	22-gauge galvanized steel housing
_	MOUNTING	T-bar or drywall ceilings Up to 1.5" thick
_	Ordering Code	AE-DL-FRKT-04-UNV AE-DL-FRKT-05-UNV AE-DL-FRKT-06-UNV

FRAME KIT DIMENSIONS



		DIMENSIONS
	A	12.75" [324 mm]
4" Round	В	8.63" [219 mm]
	с	Ø 4.50" [114 mm]
	A	12.75" [324 mm]
5" Round	В	8.63" [219 mm]
	с	Ø 5.50" [114 mm]
	Α	12.75" [324mm]
6" Round	В	8.63" [219 mm]
	с	Ø 6.37" [162 mm]
	Α	12.75" [324mm]
8" Round	В	8.63" [219 mm]
-	с	Ø 7.25" [184 mm]

	DATE								
eralux®	PROJECT NAME								
GUARDIANS	TYPE								
LED ARCHITECTURAL DOWNLIGHT	QTY								
RECESSED DOWNLIGHT	ORDERIN G CODE	AE-DL-GR	-	-UV	-	-	-x		-

ACCESSORIES

Ordered separately, field installed

EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

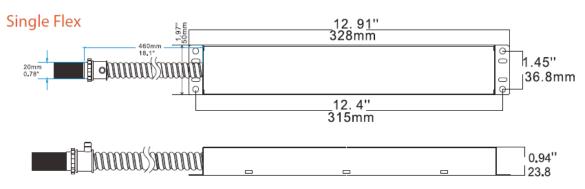
BLD-HM25D-YYY

OUTPUT POWER : 8 WATTS OUTPUT POWER : 25 WATTS



BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installation that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the emergency driver switches to emergency mode and operates the existing. Fixture to 90 minutes. The unit contains a battery, charge, and converter circuit in a single enclosure. This module will operate an LED array load at 6-25W with constant power at a rated output voltage of 170VDC. The constant power design of BLD-HMXXD-YYY maintains the output wattage to LED array, providing consistent illumination for entire emergency runtime. Ideal for use with most 0-10V dimmable indoor commercial LED lighting fixtures, such as LED flat panel, troffer, downlight and suspension mounting LED linear strip lights, etc.

DIMENSIONS



eralux®	DATE PROJECT NAME							 	
GUARDIANS	TYPE								
LED ARCHITECTURAL DOWNLIGHT	QTY								
RECESSED DOWNLIGHT	ORDERIN G CODE	AE-DL-GR	-	-UV	-	-	-x		-

LUMEN ESTIMATE

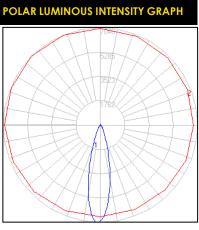
Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS								
CCT	2700K	3000K	3500K	4000K				
PREMIUM (90CRI)	0.96	1	1.03	1.06				

PHOTOMETRIC DATA

AE-DL-GR-4-UV-20W-X-XP2724X

ZONAL LUMEN SUMMARY								
ZONE	LUMENS	% OF FIXTURE						
0-20°	1262.8	67.3						
0-30°	1587.42	84.6						
0-40°	1751	93.3						
0-60°	1829	97.5						
0-80°	1830.05	97.6						
0-90°	1830.37	97.6						



POLAR LUMINOUS INTENSITY GRAPH

ZONAL LUMEN SUMMARY ZONE LUMENS [%] FIXT

1489.71

1871.48

2064.2

2155.92

2157.14

2157.51

OF IURE	524
67.4	
84.6	2080
93.3	
97.5	
97.5	
97.6	

AE-DL-GR-4-UV-25W-X-XP2724X

0-20°

0-30°

0-40°

0-60°

0-80°

0-90°

eralux[®] GUARDIANS LED ARCHITECTURAL DOWNLIGHT

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DATE								
PROJECT NAME								
TYPE								
QTY								
ORDERIN G CODE	AE-DL-GR	-	-UV	-	-	-x		-
-								

PHOTOMETRIC DATA

AE-DL-GR-5-UV-30W-X-XP4024X

ZON	POLAR		
ZONE	LUMENS	% OF FIXTURE	
0-20°	2059.45	67.6	
0-30°	2595.93	85.3	
0-40°	2838.94	93.2	
0-60°	2968.7	97.5	H
0-80°	2970.31	97.5	
0-90°	2970.83	97.6	

% OF

FIXTURE

60.4

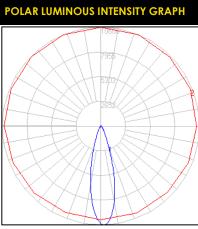
83.6

93.3

97.5

97.6

97.6



ZONAL LUMEN SUMMARY

LUMENS

1861.51

2578.68

2877.14

3007.66

3009.19

3009.71

ZONE

0-20°

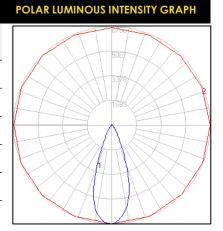
0-30°

0-40°

0-60°

0-80°

0-90°



ZONAL LUMEN SUMMARY

	3400
_	
	KXXX HTMA / XX
_	
_	
_	
_	$X \times / H \rightarrow X \times H$
_	

POLAR LUMINOUS INTENSITY GRAPH

AE-DL-GR-5-UV-30W-X-XP4060X

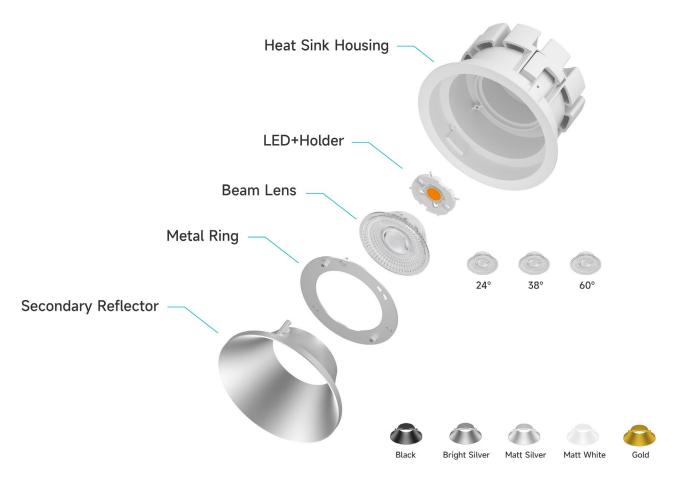
AE-DL-GR-5-UV-30W-X-XP4038X

ZONE	LUMENS	% OF FIXTURE
0-20°	1192.12	38.9
0-30°	2157.18	70.4
0-40°	2759.88	90
0-60°	2991.36	97.6
0-80°	2992.87	97.6
0-90°	2993.35	97.6

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RECESSED DOWNLIGHT	ORDERIN G CODE	AE-DL-GR	-	-UV	-	-	-x		-

PRODUCT ASSEMBLY GUIDE



eralux® GUARDIANS LED ARCHITECTURAL DOWNLIGHT

RECESSED DOWNLIGHT

OVERVIEW





PROTECTION

IP 54 Suitable for semi outdoor and wet areas

PREMIUM DESIGN & MATERIALS

Housing made from aluminum for increased rigidity and strength. Wet location rated and suitable for temperatures ranging from -20 to 45 degrees Celsius.

MULTIPLE BEAMS

24 ,38 & 60 DEGREES

VARIOUS REFLECTORS

Reflectors are available in specular, diffuse and charcoal black. They could fulfill all your needs to create a desirable lighting effect.

DESIGN

Two different designs for the Guardians Series. The 4" size has springs for installation.

The 5 and 6" size have the Roto Lock Clamp feature which makes the installation easier.