



RECESSED GDH440



48" WIDE REGRESSED LENS LUMINAIRE

JOB	
TYPE	
DATE	

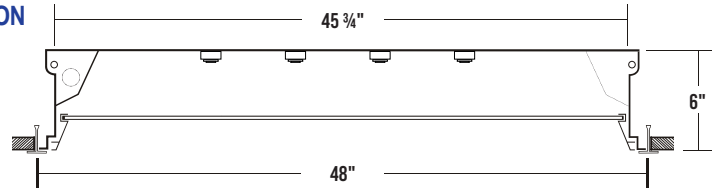
Recessed Troffer for T-Bar Ceilings

One-piece lens

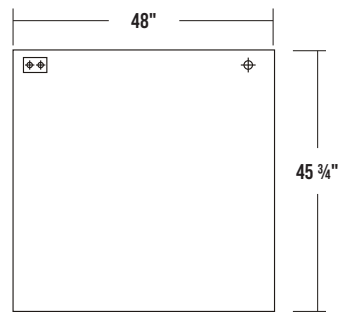


Two-piece lens
(Contact customer
service for options)

CROSS SECTION



4' x 4' BACKPLATE



⊕ 7/8" OFFSET K.O.

⊕ ACCESS PLATE

SPECIFICATIONS

Construction

- 22 gauge cold-rolled steel housing
- 2" deep regressed extruded aluminum door frame, secured by T-hinge and spring-loaded latches
- One way polyurethane gasket
- 2 gussets installed in each corner for maximum strength and true miter alignment

Finish

- Baked white polyester finish
- Minimum reflectance 86%
- Door frame painted after fabrication

Optical

- Clear prismatic acrylic lens

Electrical

- High-efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

Listing

- UL USA and Canada listed / suitable for wet location

Warranty

- 5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS

- Commercial, Office

FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance
- Suitable for damp locations

OPTIONS

- Sensors and controls
- Range of lumen packages and color temperatures
- Various lenses
- 20 gauge housing
- Painted after fabrication
- Tunable white (2700K – 6500K)
- Emergency battery pack
- Customization available upon request



Los Angeles Lighting Mfg. Co.
 Contact Us
 T: 626-454-8300 10141 Olney Street
 F: 626-454-8399 El Monte, CA 91731
 www.lalighting.com Made in the USA



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ORDERING INFORMATION: Additional Options Available. Visit www.lalighting.com/resources for more information

EXAMPLE: GDH440-16-4L-R2W-PA8-DRDM-UNV-4/840									
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
GDH440						DRDM		4	
GDH440 • 48" Wide Regressed Lens Luminaire	4 - 4000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 20 - 20000 lm 24 - 24000 lm High Efficacy 8HE - 8000 lm 12HE - 12000 lm 16HE - 16000 lm 20HE - 20000 lm 24HE - 24000 lm	4L • 4'	R2W • White Enamel R2B • Black Enamel R2N • Natural Anodized Aluminum	PA • Clear Prismatic Acrylic FFWA • Flat Frosted White Acrylic FPA2 • Frosted Prismatic Acrylic	BPL1.5 • 1500 lm emergency battery pack WLC(xx) • Wireless Control *Leave blank if not specified	DRDM • 0-10V Dimming Driver	UNV • 120V-277V 120V • 120 Volt 277V • 277 Volt 347V • 347 Volt 480V • 480 Volt	4 • Four LED Rows	827 • 80+CRI / 2700K 830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K 865 • 80+CRI / 6500K 8TW • 80+CRI Tunable White 2700K-6500K 90CRI Also available Contact customer service for additional CRI/CCT packages.
Standard options for GDH440 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.									

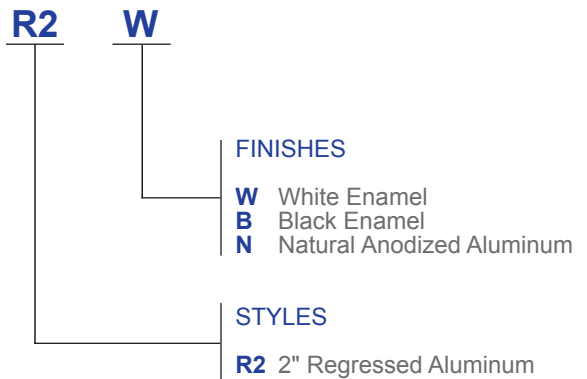
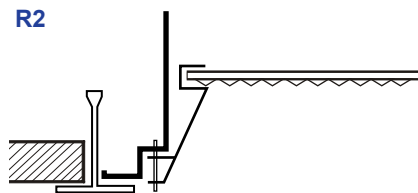
OPTICAL OPTIONS

STANDARD LENSES FOR GDH440

- PA** Clear Prismatic Acrylic, No Thickness Specified, Female Prisms $\frac{3}{16}$ " Square Base, Pattern 12
- FFWA** Flat Frosted White Acrylic, No Thickness Specified
- FPA2** Frosted Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms $\frac{3}{16}$ " Square Base, Pattern 12

DOOR FRAME

CROSS SECTION



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SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

Normal Ambient Temperature	4" - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	4000 Lumens (Nominal)	GDH440-4-4L-R2W-PA-DRDM-UNV-4/840	3376	25.4	132.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
	8000 Lumens (Nominal)	GDH440-8-4L-R2W-PA-DRDM-UNV-4/840	6745	50.1	134.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
	12000 Lumens (Nominal)	GDH440-12-4L-R2W-PA-DRDM-UNV-4/840	10035	75.6	132.8 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*
	16000 Lumens (Nominal)	GDH440-16-4L-R2W-PA-DRDM-UNV-4/840	13245	102.4	129.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F54T5HO, 6-F32T8	LA-T3727
	20000 Lumens (Nominal)	GDH440-20-4L-R2W-PA-DRDM-UNV-4/840	16375	129.9	126.0 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F54T5HO	*
	24000 Lumens (Nominal)	GDH440-24-4L-R2W-PA-DRDM-UNV-4/840	19727	160.9	122.6 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F54T5HO	LA-T3940b

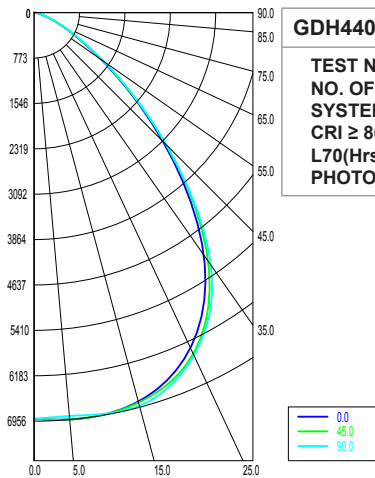
Normal Ambient Temp High Efficacy	4" - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	8000 Lumens (Nominal)	GDH440-8HE-4L-R2W-PA-DRDM-UNV-4/840	6562	44.8	146.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
	12000 Lumens (Nominal)	GDH440-12HE-4L-R2W-PA-DRDM-UNV-4/840	9816	66.6	147.3 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*
	16000 Lumens (Nominal)	GDH440-16HE-4L-R2W-PA-DRDM-UNV-4/840	12965	89.6	144.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F54T5HO, 6-F32T8	*
	20000 Lumens (Nominal)	GDH440-20HE-4L-R2W-PA-DRDM-UNV-4/840	16341	115.8	141.1 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F54T5HO	*
	24000 Lumens (Nominal)	GDH440-24HE-4L-R2W-PA-DRDM-UNV-4/840	19586	141.5	138.5 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F54T5HO	*

NOTE:
System data as of 4/26/24.
Subject to change without notice.

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application. This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

PHOTOMETRIC DATA



GDH440-16-4L-R2W-PA-DRDM-UNV-4/840
TEST NO. = LA-T3727
NO. OF LED ROWS = 4
SYSTEM WATT (W) = 102.4
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	5571	34	42
0-40	8809	54	67
0-60	12550	77	95
0-90	13245	81	100
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	13245	81	100.0

SPACING CRITERION	
ALONG	ACROSS
1.20	1.24

Luminaire Output = 13245 lumens
 Luminaire Efficacy = 129.4 lm/W
 Luminaire Efficiency = 81.03%



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