

WGD9

The award-winning WGD9 efficiently grazes a wall and better accentuates surface textures while reducing hotspots and dead zones.

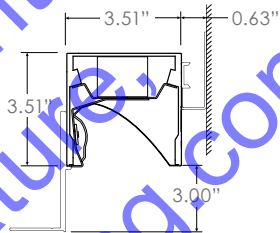


Performance

OUTPUT	DELIVERED		
	LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	1674 lm/ft	13.5 W/ft	124 lm/W

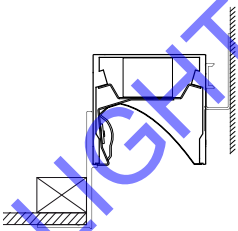
Based on static white 35K HE lens fixtures. For the complete photometric data of this fixture refer to page 4.

Dimensions

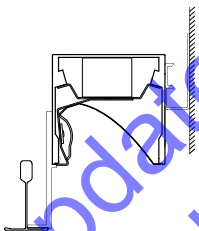


Mounting options

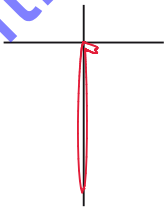
Distribution options



Shadow Mold
Regressed Gyp

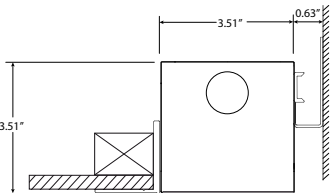


Shadow Mold
Regressed T-Bar

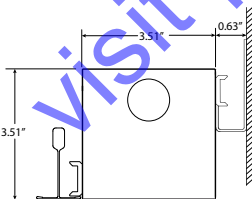


Wall Grazer

Endcap options



Shadow Mold
Regressed Gyp
Standard Endcap



Shadow Mold
Regressed T-Bar
Standard Endcap



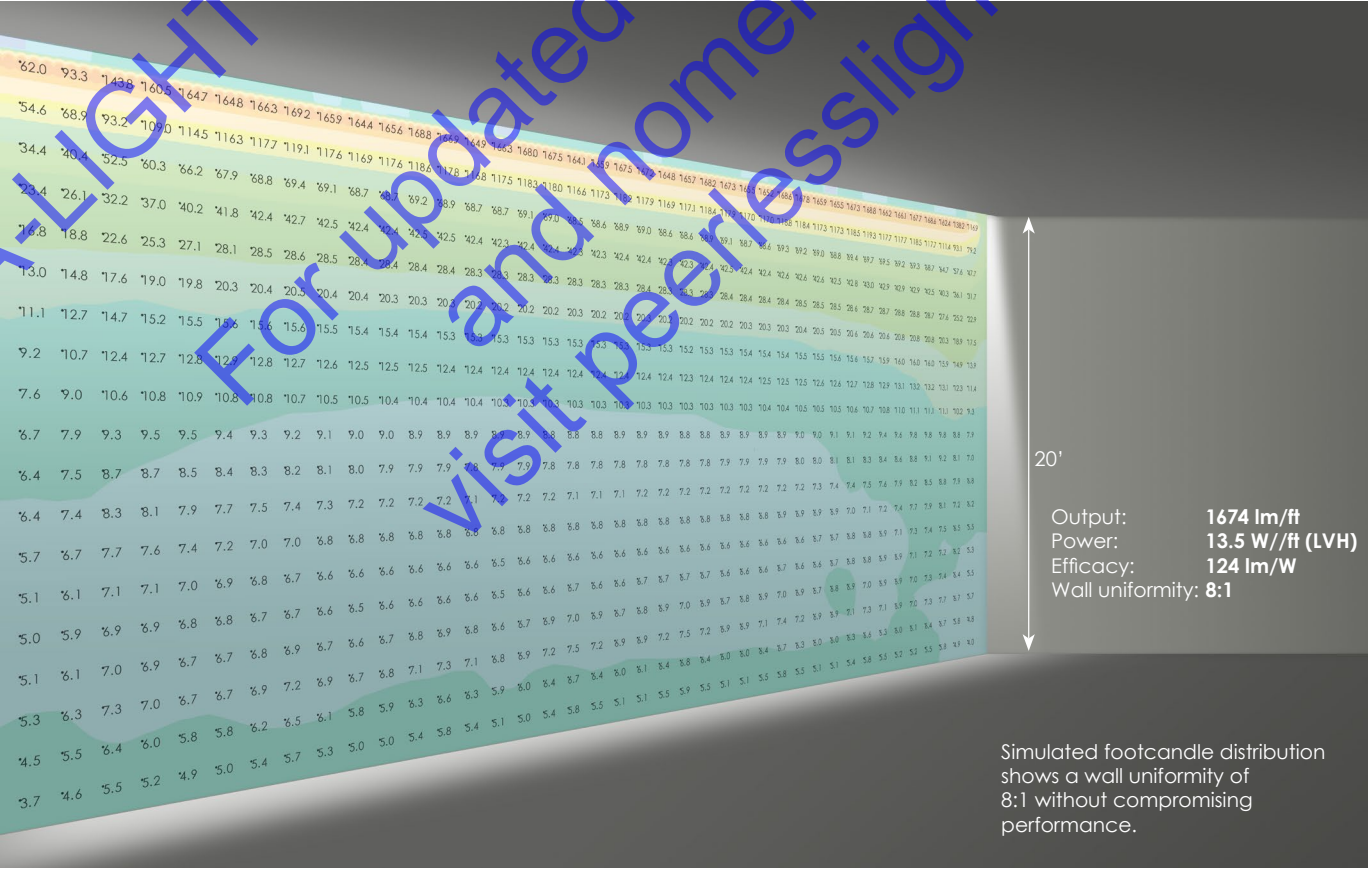
Need help?
Don't see what you need?
We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have.

Our Design Assist team
(designassist@alights.com)
is here to make the process move smoothly.

WGD9					
SERIES	LENGTH	OUTPUT	LED CCT	VOLTAGE	
WGD9	Nominal Length ¹	LVH Very High Output LS Standard Output LH High Output C_ Custom Output ¹	30 3000k 35 3500k 40 4000k	U	120-277V
¹ Specify in feet to the nearest foot (i.e. 12)		¹ Contact Design Assist for custom tuning or non-standard light outputs.			
² Specify in inches to then nearest 1/8 (i.e. M180.125). Consult factory for details.					

CRI	MOUNTING	FINISH	DIMMING
80+ CRI	RG3G Shadow Mold + 3" Regressed Gyp RG3T Shadow Mold + 3" Regressed T-Bar	W White B Black T Titanium	D Standard 0-10V dimming ¹
¹ 1% dimming standard unless otherwise specified.			

OPTIONS	OTHER
R Right Endcap Feed L Left Endcap Feed	FT Fast Track ¹
¹ Option must be in part number in order to be considered fast track.	



Light distribution

DISTRIBUTION

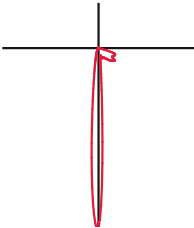
Direct Asymmetric

Photometric data

DIRECT ASYMMETRIC

LVH- 3500K

Lumens: 1674 lm/ft
 Input watts: 13.5 W/ft
 Efficacy: 124 lm/W



DLH:

OUTPUT (DC)

LVH: Very high output - 13.5 W/ft
 LH: High output - 10.5 W/ft
 LS: Standard output - 5 W/ft
 C: Custom tuned output - specify wattage

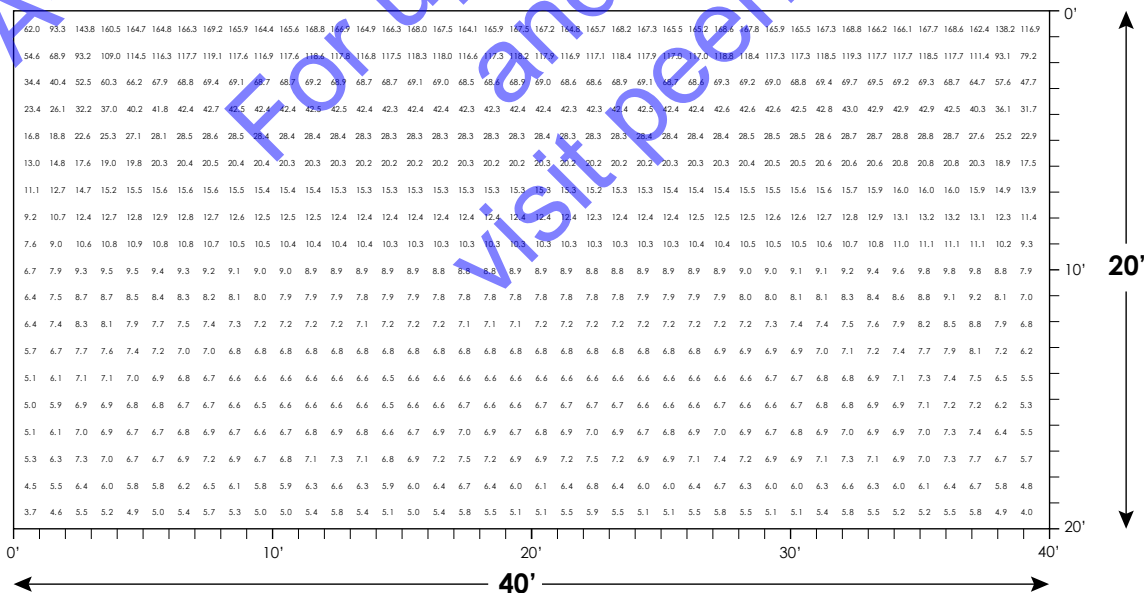
Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY	
				WALL GRAZER	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	126 lm/W	104 lm/W
	3500K	1	0.83	124 lm/W	103 lm/W
	3000K	0.97	0.81	120 lm/W	100 lm/W
	2700K	0.94	0.79	117 lm/W	98 lm/W
LH (high)	4000K	1.02	0.84	132 lm/W	108 lm/W
	3500K	1	0.83	129 lm/W	107 lm/W
	3000K	0.97	0.81	125 lm/W	104 lm/W
	2700K	0.94	0.79	121 lm/W	102 lm/W
LS (standard)	4000K	1.02	0.84	143 lm/W	118 lm/W
	3500K	1	0.83	140 lm/W	116 lm/W
	3000K	0.97	0.81	136 lm/W	113 lm/W
	2700K	0.94	0.79	132 lm/W	111 lm/W

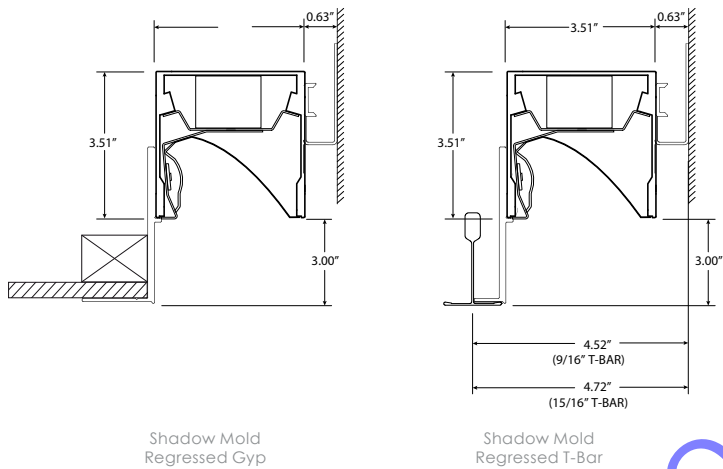
OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT	
				WALL GRAZER	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1707 lm/ft	1406 lm/ft
	3500K	1	0.83	1674 lm/ft	1389 lm/ft
	3000K	0.97	0.81	1624 lm/ft	1356 lm/ft
	2700K	0.94	0.79	1574 lm/ft	1322 lm/ft
LH (high)	4000K	1.02	0.84	1382 lm/ft	1138 lm/ft
	3500K	1	0.83	1355 lm/ft	1124 lm/ft
	3000K	0.97	0.81	1314 lm/ft	1097 lm/ft
	2700K	0.94	0.79	1273 lm/ft	1070 lm/ft
LS (standard)	4000K	1.02	0.84	714 lm/ft	588 lm/ft
	3500K	1	0.83	700 lm/ft	581 lm/ft
	3000K	0.97	0.81	679 lm/ft	567 lm/ft
	2700K	0.94	0.79	658 lm/ft	553 lm/ft

Footcandle distribution

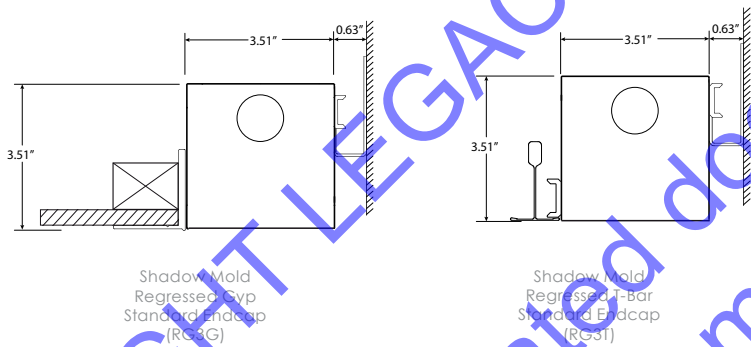
Example of luminaire installed 20' from the floor. Luminaire configuration is 4 x LH (10.5 W/ft), 4000K.



Mounting

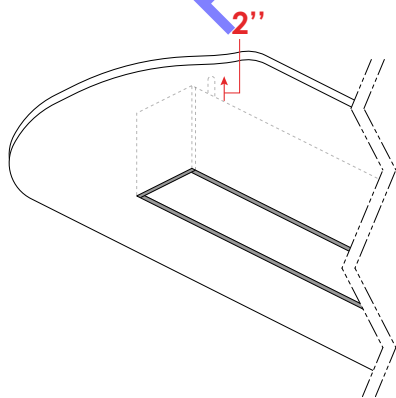


Endcap details



nLight dimensions

AIR : rLO Recessed



*Fixture mounted module for nLightAIR only

LINEAR DIMENSIONS

Nominal (to the nearest foot) or exact lengths (to the nearest 1/8th of an inch) available as individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 12 feet. Consult factory for details.

Filler panel - Lengths are nominal. All exact lengths will be filled by 3" min. painted filler panels. Lengths will be determined by factory to accommodate for row length variations due to ceiling type and to allow for proper ventilation.

OPTICS

Custom designed high efficiency parabolic reflector combined with an extruded diffuser for a powerful uniform wall grazing effect.

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, High and Very High outputs. Refer to photometry for delivered lumens.

LED DIMMING DRIVER

Factory tuned constant current electronic 0-10V control dimming driver is standard. Specification grade dimming down to 1%. Driver life of 50,000 hrs with ambient operating temperature range of -30°C to 50°C, maximum case temperature of 75°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency.

MOUNTING

Shadow Mold. Upper and lower fixture ray aluminum flanges provide choice of flush or 3" regress perimeter shadow Mold mounting. A black shadow Mold (J-mold) bracket is secured to the wall using blocking as required and attachment hardware (by others). Upper fixture flange attaches to j-molding to create a 5/8" gap between fixture and wall.

For Tbar: rest lower fixture flange on top side of tbar ceiling system and secure to structure with tie wires at fixture ends. Gyp: lower fixture flange is attached gyp ceiling and blocking (by others), then mudded over and/or painted by installing contractor. For continuous fixture runs, fixture should be supported every 12 feet using support wires or threaded rod (by others).

Optional extended endcap to completely close the gap between the regress flange and the bottom of the luminaire.

FINISH

Electrostatically applied powder coat finish. Standard finish options include Titanium, white, and black.

LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1.

The WGD9 is assembled in America and complies with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

Please refer to the full terms and conditions on our website: www.alights.com/downloads/warranty/