

ORDERING CODE

| | | |
|-----------|-----------|----------|
| D7 | | |
| U | H | D |
| | FT | |

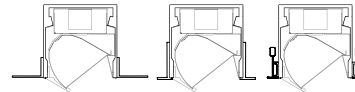
PROJECT INFO

TYPE

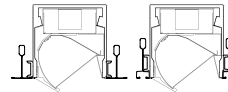
DATE

QUANTITY

MOUNTING OPTIONS



(G) | Flush Gyp / Hard Lid (XP) | Trim Flange (T) | T-Bar 9/16



(X) | T-Bar 15/16 (N) | T-Bar 9/16 Slot

PERFORMANCE AT 4000K

| | NOMINAL LUMEN OUTPUT | INPUT WATTS | EFFICACY |
|-----------------|----------------------|-----------------|----------------|
| OUTPUT | | | |
| High | 587 lm/ft | 9.5 W/ft | 62 lm/W |
| Standard | 294 lm/ft | 5 W/ft | 62 lm/W |

Custom tuned output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage.

Fast track nomenclature only. For complete nomenclature see "standard" spec sheet.

| D7 | | | | | U | H |
|---|---|--|--|---|----------------------|--------------------|
| SERIES | LENGTH | OUTPUT | LED CCT | LED CRI | VOLTAGE | DIRECT OPTICS |
| D7 | M_ Nominal Length* M_ Exact Length** | LS Standard Output LH High Output C_ Custom Output* | 27 2700K 30 3000K 35 3500K 40 4000K | CRI 80+ CRI 90+ CRI | U 120V - 277V | H HTD Lens™ |
| *Specify in feet to the nearest foot (i.e. 12) **Specify in 6" increments (i.e. M198.00) | | *Available from 25% to 125% of LED High Output | | *For wall mountings beam direction points away of wall. Contact Design assist for different beam optic direction. | | |

| | | D | FT | | |
|---|---|--|--------------------------|--|--------------|
| MOUNTING | | FINISH | DIMMING | OPTIONS | OTHER |
| G Flush Gyp / Mud Over Flange XP 1/2" Trim Flange T T-Bar 9/16" X T-Bar 15/16" N T-Bar 9/16 Slot | T Titanium W White B Black | D Standard 0-10V* | CP Chicago Plenum | FT Fast Track* | |
| *Housing slightly regressed | | *1% Dimming standard unless otherwise specified. | | *Option must be in part number in order to be considered fast track. | |

LIGHT OUTPUT

DISTRIBUTION

Direct Asymmetric

OUTPUT

LH: High output -10 W/ft
 LS: Standard output - 5 W/ft
 C: Custom tuned output - Specify Wattage

LIGHT LOSS FACTORS

80+CRI, 4000K: Baseline
 80+CRI, 3500K: 97%
 80+CRI, 3000K: 94%
 80+CRI, 2700K: 90%
 90+CRI, 4000K: 88%
 90+CRI, 3500K: 85%
 90+CRI, 3000K: 80%
 90+CRI, 2700K: 76%

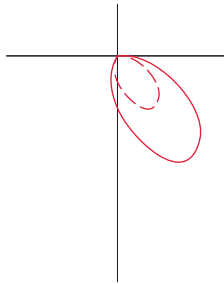
PHOTOMETRIC DATA

DIRECT ASYMMETRIC

LH - 4000K - HTD LENS

Lumens: 587 lm/ft
 Input watts: 9.5 W/ft
 Efficacy: 62 lm/W

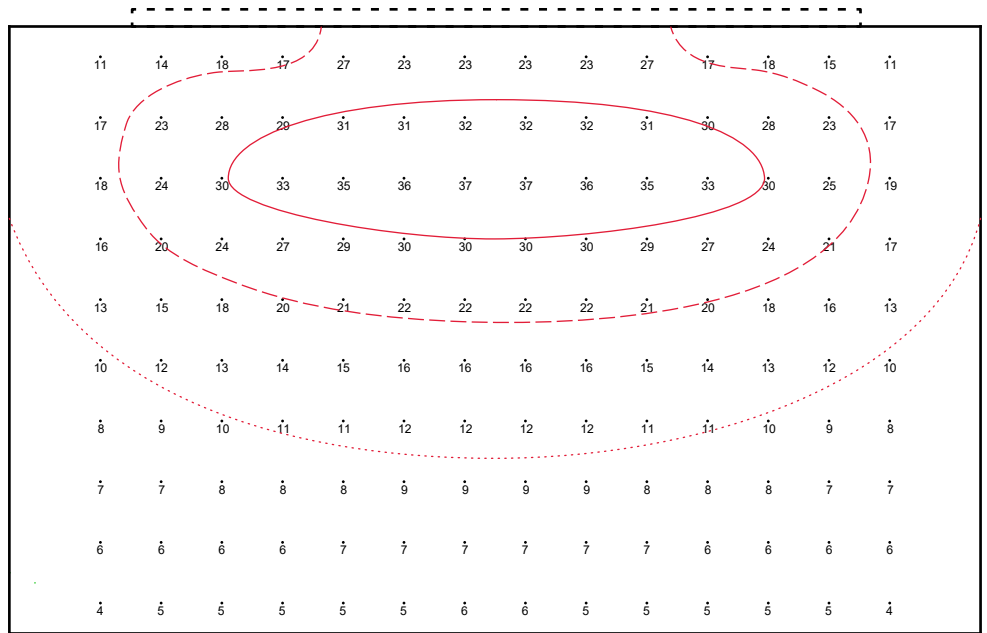
DLH 
 DLS 






SAMPLE INSTALLATION - ACCENT WALL

LH DOWN / 4000K

Wall height: 10 ft
 Reflectance: 80% / 50% / 20%
 Mounting height: 10 ft A.F.F.
 Distance from wall: 3 ft
 Fixture length: 12 ft
 Calculation grid: 1 ft x 1 ft
 Calculation plane (vertical): On wall
 Average Illuminance (E_v): 16 fc
 Uniformity: 9.3:1 (max/min)

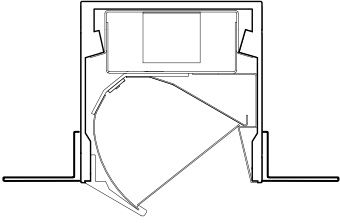


TOP VIEW
 30 fc 
 20 fc 
 10 fc 

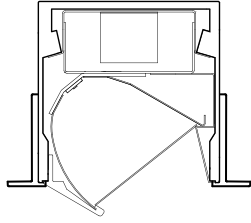
LIGHT LOSS FACTORS (LLF)

| OUTPUT | CCT | DIRECT | |
|---------------------------------|-------|-----------|-----------|
| | | HTD lens™ | |
| | | CRI 80 + | CRI 90 + |
| LH <small>(high)</small> | 4000k | 587 lm/ft | 518 lm/ft |
| | 3500k | 575 lm/ft | 501 lm/ft |
| | 3000k | 553 lm/ft | 474 lm/ft |
| | 2700k | 532 lm/ft | 449 lm/ft |
| LS <small>(standard)</small> | 4000k | 294 lm/ft | 260 lm/ft |
| | 3500k | 288 lm/ft | 251 lm/ft |
| | 3000k | 277 lm/ft | 237 lm/ft |
| | 2700k | 266 lm/ft | 225 lm/ft |

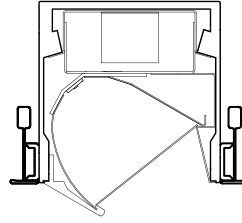
Factors above for high output (LH).
For standard output (LS) -50%.



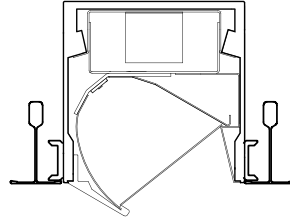
(G) | Flush Gyp/Hard Lid



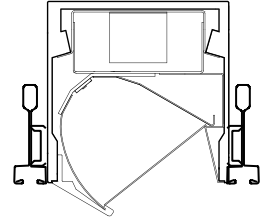
(XP) | Trim Flange



(T) | T-bar 9/16"



(X) | T-bar 15/16"



(N) | T-bar 9/16" Slot

LINEAR DIMENSIONS

Nominal or exact lengths in 6" increments available as individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 12 inches.

OPTICS

HTD™ lens is a high performance polycarbonate opal lens. An optimized surface texture plus advanced diffusing additives produce an impressive 93% transmission while eliminating LED hotspots.

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; 90+ CRI available. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Low, Standard, and High outputs. Refer to photometry for delivered lumens. Custom output in the range of 25% to 125% of high output, contact factory.

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 -20°C to 50°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency.

MOUNTING

Common recessed mounting options available. Contact factory for applications regarding modified recessed mounting conditions.

Flush Gypsum Flange. Raw aluminum flange is attached to blocking (by others), then mudded over and/or painted by installing contractor to provide a "flangeless" fixture appearance in recessed ceiling/wall applications.

Trim Flange. 1/2" wide visible powder coated flange, specify finish requirement. Fixture is mounted to structure using threaded rod (by others) or ceiling tie wires (provided). Use of a-clamp™ secures fixture trim and housing around ceiling/wall material. Use for any gypsum or hard ceiling/wall that requires a minimal flange covering the ceiling cut-out edge.

T-Bar/Grid Ceiling. 9/16" or 15/16" standard T-Bar or 9/16" slot ceiling. Raw aluminum flange sits on T-Bar and is concealed from view.

4" Armstrong Techzone™ / USG Logix™ or other 4" Utility Systems. 9/16" or 15/16" standard T-Bar or 9/16" slot ceiling. Suitable for use in 4" on-center standard or slot T-Bar systems. Approximate 1" wide visible side flanges create a seamless 4" slot condition, specify finish requirement.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Flat or flanged aluminum end caps. Aluminum joiner brackets. 4 lbs/ft approximate fixture weight.

FINISH

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

LISTING

IC Rated for IC, Airtight, CCEA Ceilings. CCEA mark applied for Chicago Plenum applications. UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

WARRANTY

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