

Project Name

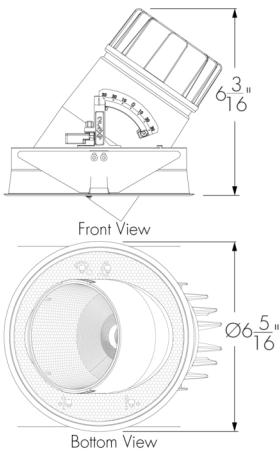
Qty

Type

Catalog / Part Number



DT1S and DT1R Housings Shown



DT1R Housing Shown

Photometric Summary

Consult the Photometric Information section of the Specification Sheet for 3000K CRI 92 data. For all other configurations, consult IES files on the Lumenpulse website.

Color and Color Temperature



Color Rendering

CRI 92 CRI 98

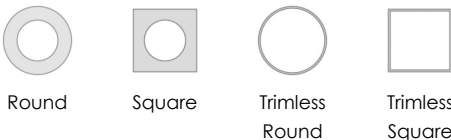
Control

ON/OFF 0-10V Phase Dimming

Finish



Trim Shape



Description

When adjustability is key, the DARK TILT Max is the secret to your success. With its unique anti-light-leak system, your ceiling plane will remain closed no matter where you need to aim the light, avoiding the unsightly interior of some ceilings. Up to 40 degrees of tilt and 355-degree rotation, the DARK TILT puts light exactly where you need it.

Features

Trim Shape

TR: Trim
TRL: Trimless

Output (Nominal Lumens)

L07: 700 lm
L10: 1000 lm
L13: 1300 lm
L20: 2000 lm
L30: 3000 lm
L35: 3500 lm

Color and Color Temperature

27K: 2700K
30K: 3000K
35K: 3500K
40K: 4000K

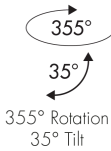
Finish

MWHTX: Matte White Txt
MBKTX: Matte Black Txt
CGY: Concrete Gray
GTX: Gold Txt
CTX: Copper Txt

Optic (Nominal Distribution)

VN: Very Narrow 7°
NS: Narrow Spot 12°
ENS: Elliptical Narrow Spot 54° x 12°
S: Spot 15°
NF: Narrow Flood 25°
FL: Flood 35°
WFL: Wide Flood 40°
EWFL: Elliptical Wide Flood 47° x 72°

Adjustability



Lumencycle™ Program



Certifications



Installation Type	RM: Remodel Non-Insulated Ceiling (Non-Plenum Rated) NC: New Construction Non-Insulated Ceiling (Non-Plenum Rated) IC: Insulation Contact Mounting (Can be Used for Plenum Contact, and Air-Tight Mounting Box Applications)
Optical Accessories	Various optical accessories available, see Optical Accessories Section for details
Warranty	5-year limited warranty
Performance	
Maximum Delivered Output	Up to 4,216 lm (L35, CRI 92, 40K, FL)
Maximum Delivered Intensity	61,847 cd at nadir (L13, CRI 92, 40K, VN)
Efficacy	Up to 115 lm/W (L13, CRI 92, 40K, FL)
Color Rendering	92: CRI 92 98: CRI 98
Color Consistency	2 SDCM
Lumen Maintenance	L70 120,000 hours L95 19,000 hours
UGR	Optical configurations available to achieve <10 UGR. See IES files for performance data based on exact configurations.
Physical	
Housing Material	Die cast aluminum
Optics Material	Polymethyl methacrylate (PMMA)
Accessory Material	Nylon PA12 (accessory primary ring, and frame only)
Cutout	DT1R Housing With Round Trim and Trimless: Round Cutout Shape: Ø6.1 in, DT1S Housing With Square Trim and Trimless: Round Cutout Shape, Ø6.5 in, See installation instructions for details
Ceiling Thickness	0.2 in to 0.71 in
Weight	DT1R Housing With Trim: 3.06 lbs (fixture only) DT1R Housing, Trimless: 3.11 lbs (fixture only) DT1S Housing With Trim: 3.77 lbs (fixture only) DT1S Housing, Trimless: 3.81 lbs (fixture only) 0.77 lbs (RM Installation Type only) 1.65 lbs (NC Installation Type only) 5.07 lbs (IC Installation Type only) For total weight, combine weight of fixture and weight of installation type
Adjustability	355° Rotation, 35° Tilt
Electrical and Control	
Voltage	120/277: 120/277 Volts
Wattage Range	15.3 to 43.4 Watts Refer to Wattage Information Table for details.

Control	NO: On/Off Control DIM: 0-10V Dimming 1% PH: Phase Dimming 1%
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Environmental

Ingress Protection Rating	IP40
Environment	Damp location (interior applications only)
Operating Temperature (Ceiling Cavity Ambient Temperature)	14 °F to 104 °F

Important

Virtual Patent Marking Notice

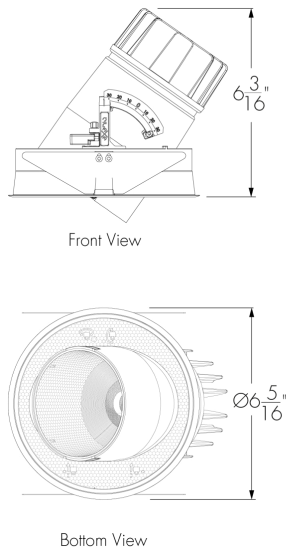
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

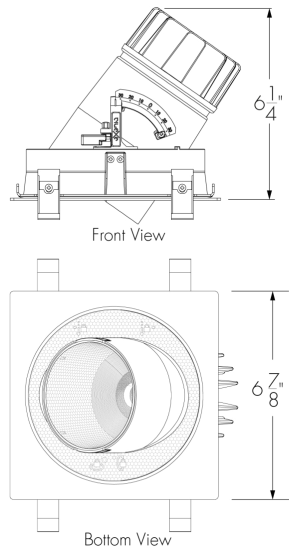
Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Dimensions

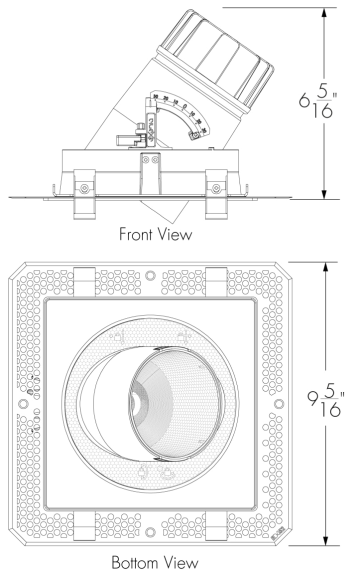
DT1R Housing With Trim and Trimless



DT1S Housing With Trim

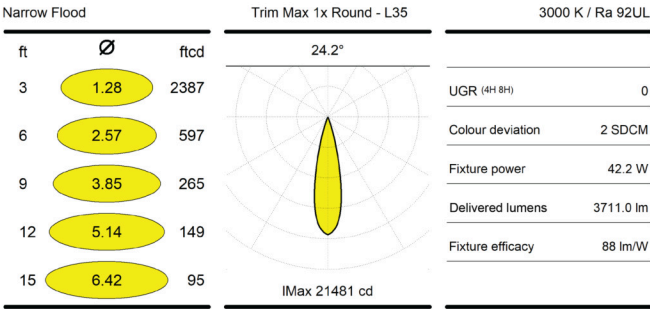


DT1S Housing Trimless

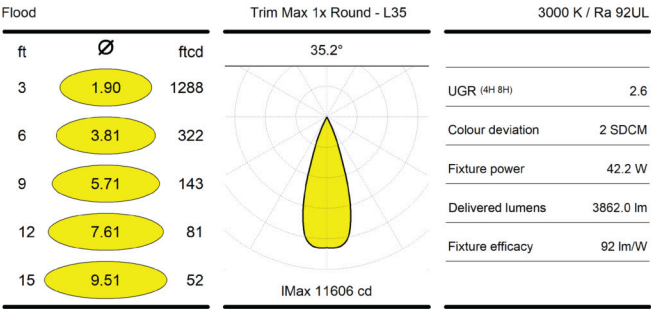


Photometric Information

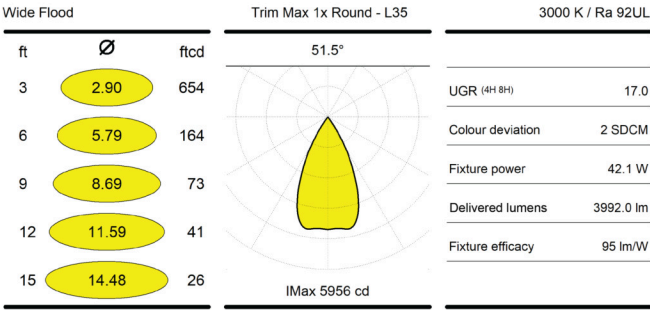
Narrow Flood, L35, 3000K, CRI 92



Flood, L35, 3000K, CRI 92



Wide Flood, L35, 3000K, CRI 92



The photometric data shown is for one fixture head.
For all other configurations, consult IES files on the Lumenpulse website.

Optical Accessories

HL - Honeycomb



SN - Snoot



VS - Visor



EL - Elliptical Lens



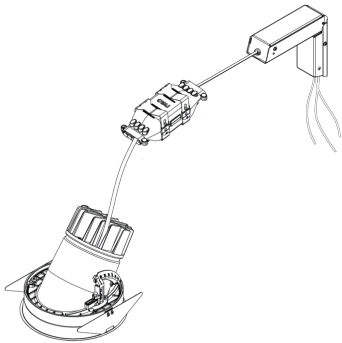
Images are shown for individual accessories only.
Factory installed.

Installation Types

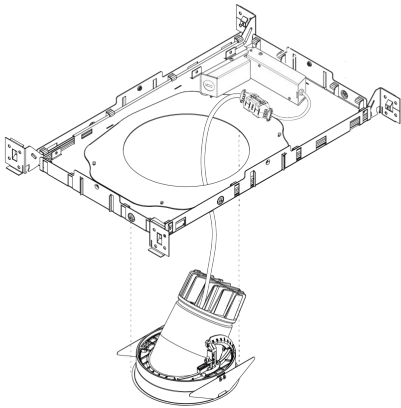
**RM: Remodel Non-Insulated Ceiling
(Non-Plenum Rated)**

**NC: New Construction Non-Insulated Ceiling
(Non-Plenum Rated)**

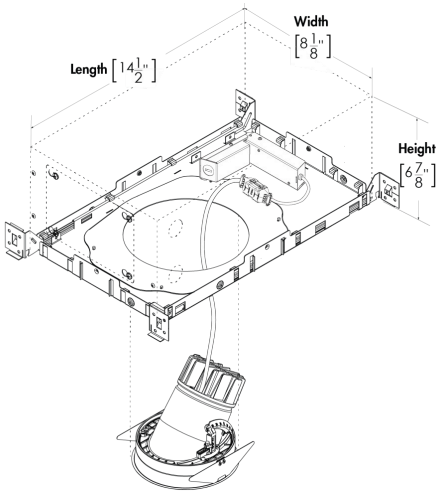
IC: Insulation Contact Mounting



DARK TILT Max (DT1R, DT1S)



DARK TILT Max (DT1R, DT1S)



DARK TILT Max (DT1R, DT1S)

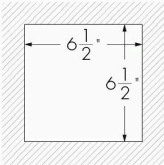
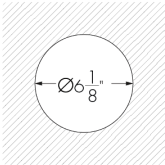
DT1R Housing Shown.

Refer to installation instructions for more details.

Ceiling Requirements

DT1R Housing With Trim and Trimless

DT1S Housing With Trim and Trimless



Wattage Information

L07 - Output

ENS	Elliptical Narrow Spot	IC	15.3W
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L10 - Output

NS	Narrow Spot	IC	15.3W
ENS	Elliptical Narrow Spot	IC/NC/RM	25.2W
VN	Very Narrow	IC	18.6W

L13 - Output

NS	Narrow Spot	IC/NC/RM	25.2W
ENS	Elliptical Narrow Spot	NC/RM	33.8W
S	Spot	IC/NC/RM	21.3W
NF	Narrow Flood	IC/NC/RM	20.7W
FL	Flood	IC/NC/RM	
WFL	Wide Flood	IC/NC/RM	20.7W
EWFL	Elliptical Wide Flood	IC	20.7W
		NC/RM	28W
VN	Very Narrow	NC/RM	24.3W

L20 - Output

NS	Narrow Spot	NC/RM	33.8W
S	Spot	NC/RM	28.9W
		IC	32.1W
NF	Narrow Flood	NC/RM	28W
		IC	31.1W
FL	Flood	NC/RM	28W
		IC	31.1W
WFL	Wide Flood	NC/RM	28W
		IC	31.1W
EWFL	Elliptical Wide Flood	IC	31.1W
		NC/RM	41.4W

L30 - Output

S	Spot	NC/RM	43.4W
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L35 - Output

NF	Narrow Flood	NC/RM	41.7W
FL	Flood		
WFL	Wide Flood	NC/RM	41.4W

How to Order

Housing	Trim Shape	Size	Voltage	Control	Output (Nominal Lumens)	Finish	Color Rendering	Color and Color Temperature	Optic (Nominal Distribution)	Installation Type	Accessories ⁽¹⁵⁾
DT1R DARK TILT 1x Round DT1S DARK TILT 1x Square	TR Trim TRL Trimless	MX Max	120/277 120/277 Volts	NO On/Off Control DIM 0-10V Dimming 1% PH Phase Dimming 1% ⁽¹⁾	L07 700 lm ⁽²⁾ L10 1000 lm ⁽³⁾ L13 1300 lm L20 2000 lm ⁽⁴⁾ L30 3000 lm ⁽⁵⁾ L35 3500 lm ⁽⁶⁾	MWHTX Matte White Txt MBKTX Matte Black Txt CGY Concrete Gray GTX Gold Txt CTX Copper Txt	92 CRI 92 98 CRI 98	27K 2700K 30K 3000K 35K 3500K 40K 4000K	VN Very Narrow 7° ⁽⁷⁾ NS Narrow Spot 12° ⁽⁸⁾ ⁽⁹⁾ ENS Elliptical Narrow Spot 54° x 12° ⁽¹⁰⁾ ⁽¹¹⁾ S Spot 15° ⁽¹²⁾ NF Narrow Flood 25° ⁽¹³⁾ FL Flood 35° ⁽¹³⁾ WFL Wide Flood 40° ⁽⁹⁾ ⁽¹³⁾ EWFL Elliptical Wide Flood 47° x 72° ⁽¹¹⁾ ⁽¹⁴⁾	RM Remodel Non- Insulated Ceiling (Non- Plenum Rated) NC New Construction Non- Insulated Ceiling (Non- Plenum Rated) IC Insulation Contact Mounting (Can be Used for Plenum Contact, and Air-Tight Mounting Box Applications)	NA No Accessory HL Honeycomb ⁽¹⁶⁾ SN Snoot ⁽¹⁴⁾ VS Visor EL Elliptical Lens ⁽¹⁷⁾ HPLGLDF Honeycomb + Protective Glass Lens & Diffusing Filter ⁽¹⁶⁾ HLEL Honeycomb + Elliptical Lens ⁽¹⁷⁾ HLSN Honeycomb + Snoot ⁽¹⁶⁾ HLVS Honeycomb + Visor ⁽¹⁶⁾ PGLDF Protective Glass Lens & Diffusing Filter ⁽¹⁶⁾ PGLDFSN Protective Glass Lens with Diffusing Filter + Snoot ⁽¹⁶⁾ PGLDFVS Protective Glass Lens with Diffusing Filter + Visor ⁽¹⁶⁾ ELSN Elliptical Lens + Snoot ⁽¹⁷⁾ ELVS Elliptical Lens + Visor ⁽¹⁷⁾ HPLGLDFSN Honeycomb with Protective Glass Lens with Diffusing Filter + Snoot ⁽¹⁶⁾ HPLGLDFVS Honeycomb with Protective Glass Lens with Diffusing Filter + Visor ⁽¹⁶⁾ HLELSN Honeycomb with Elliptical Lens + Snoot ⁽¹⁷⁾

											HLELVS Honeycomb with Elliptical Lens + Visor ⁽¹⁷⁾
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1. Phase dimming (PH) is only compatible with 120V power. 2. Available for ENS optic only. 3. Available for VN, NS and ENS optics only. 4. Available for NS, S, NF, FL, WFL and EWFL optics only. 5. Available for S optic only. 6. Available for NF, FL and WFL optics only. 7. When VN Optic is combined with RM or NC installation types, only L13 lumen output is available. When VN Optic is combined with IC installation type, only L10 lumen output is available. 8. When NS optic is combined with RM or NC installation types, only L13 and L20 lumen outputs are available. When NS optic is combined with IC installation type, only L10 and L13 lumen outputs are available. 9. Not available with EL, HLEL, ELSN, ELVS, HEELS and HLELVS accessories.	10. When ENS optic is combined with RM or NC installation types, only L10 and L13 lumen outputs are available. When ENS optic is combined with IC installation type, only L07 and L10 lumen outputs are available. 11. Cannot be combined with any accessories, except for VS accessory. 12. When S optic is combined with RM or NC installation types, only L13, L20 and L30 lumen outputs are available. When S optic is combined with IC installation type, only L13 and L20 lumen outputs are available. 13. When NF, FL or WFL optics are combined with RM or NC installation types, only L13, L20 and L35 lumen outputs are available. When NF, FL or WFL optics are combined with IC installation type, only L13 or L20 lumen outputs are available. 14. Available for L13 and L20 lumen outputs only. 15. Factory installed. 16. Available for VN, NS, S, NF, FL and WFL optics only. 17. Available for VN, S, NF and FL optics only.
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