Day-Brite CFI

Recessed

DSRT Selectable Troffer

Selectable or Static Lumens & Color

Project:

Location:

Cat.No:

Type:

Notes:

Day-Brite CFI DSRT Selectable Troffer is a robust luminaire designed to provide three lumen and three CCT field selectable options per size or with static CCT and lumen options when required. Available for use in recessed, suspended and surface mount applications. Ideal for general lighting applications such as open office, schools, healthcare, and retail.

Lumen Select Switch

CCT with Select Switch

UNV Auto Sensing 120–277V

Ordering Guide

Example: 2DSRT42L835-2-SR-UNV-DIM-SWZCS

Size	Family	Lumens (nom.) [1]	Color [1]	Length	Center Diffuser	Voltage	Driver	Options (Factory Installed)
1x4	1DSRT	**3050L** 3000/4000/5000lm Selectable **4060L** 4000/5000/6000lm Selectable **30L** 3000lm **40L** 4000lm **50L** 5000lm **60L** 6000lm	**8CS** CRI 80, 3500K/4000K/5000K Selectable **835** CRI 80, 3500K **840** CRI 80, 4000K **850** CRI 80, 5000K	**4** 4'	**RS** Round Smooth (Prismatic) **RR** Round Ribbed **SS** Square Smooth (Prismatic) **SR** Square Ribbed	**UNV** Universal 120–277V **347** 347V	**DIM** 1% Dim	**F1** [6] 3/8" Flex, 18 ga., 6'; 3 Leads (Non-Dimming) **F2** 3/8" Flex, 18 ga., 6'; 4 Leads (Non-Dimming + Emergency) **F2/5W** [5,6] 3/8" Flex, 18 ga., 6'; 5 Leads (Dimming) **F2/6W** [5] 3/8" Flex, 18 ga., 6'; 6 Leads (Dimming + Emergency) **GLR** Fusing, Fast Blow **DSC** [7] Quick Driver Disconnect **CHIC** [9] Chicago Plenum Rated **EM10** [3,7] Bodine 10W Integral Battery Pack and Test Switch **EM14** [3,7] Bodine 14W Integral Battery Pack and Test Switch **ER100** [3,6,7] UL924 Sensor Bypass Relay, Factory Installed between Driver and Sensor **DAYOCC** [4,8] Basic Daylight and Occupancy **SWZCS** Signify Interact Sensor (Day/Occ) **RADIO** Signify Interact Radio Node **IAOSB** Signify Interact Enterprise Sensor Bundle (Day/Occ + IoT) **AWNOCC** Lutron Athena Sensor AWNS (Day/Occ) **AWNRF** Lutron Athena Radio Node AWNR **VIVEOCC** Lutron Vive Sensor VDO (Day/Occ) **VIVERF** Lutron Vive Radio Node VRF **AG** Antimicrobial Finish
2x2	2DSRT	**3050L** 2800/3500/4200lm Selectable **4060L** 4000/5000/6000lm Selectable **28L** 2800lm **35L** 3500lm **42L** 4200lm **60L** 6000lm	**8CS** CRI 80, 3500K/4000K/5000K Selectable **835** CRI 80, 3500K **840** CRI 80, 4000K **850** CRI 80, 5000K	**2** 2'				
2x4	2DSRT	**4060L** 3800/4800/5500lm Selectable **6080L** 5500/7000/8000lm Selectable **38L** 3800lm **48L** 4800lm **55L** 5500lm **70L** 7000lm **80L** 8000lm	**8CS** CRI 80, 3500K/4000K/5000K Selectable **835** CRI 80, 3500K **840** CRI 80, 4000K **850** CRI 80, 5000K	**4** 4'				

1. **Selectable** or **Static** Lumen & Color options must be specified together.
2. Surface kits and powered suspension kits not available with **RTEMLED10RM** and **DBEMLED** accessories.
3. **ER100** not available with **EM10** and **EM14** options. **ER100** only available in combination with Interact & Lutron sensor options.
4. **DAYOCC** not available with **ER100**
5. **F2/5W** and **F2/6W** not available with Interact & Lutron sensors.
6. **F1**, **F2/5W**, and **DSRT-CKT-WP** not available with Emergency options.
7. **DSC** and/or **347V** not available with Emergency options or accessories **(EM10, EM14, ER100, RTEMLED10RM, DBEMLED)**
8. **6080L**, **70L**, and **80L** not available with **DAYOCC**
9. **Chicago Plenum** not available with **Selectable** configurations.

Accessories

- RT**EMLED10RM** [2,7] — 10W Field Installed Emergency Driver Kit (Fixture Mount)
- **DBEMLED14RM** [2,7] — 14W Field Installed Emergency Driver Kit (Grid Mount)
- **DBEMLED20RM** [2,7] — 20W Field Installed Emergency Driver Kit (Grid Mount)
- **DBEMLED14RM-F2/D** [2,7] — 14W Field Installed Emergency Driver Kit and 3/8" Twin Flex, 18 ga., 6', 4w & 2w (Grid Mount)
- **DBEMLED20RM-F2/D** [2,7] — 20W Field Installed Emergency Driver Kit and 3/8" Twin Flex, 18 ga., 6', 4w & 2w (Grid Mount)
- **DSRT-CKT-NP** — DSRT Suspension Kit with no Power
- **DSRT-CKT-WP** [2,6] — DSRT Suspension Kit with Power
- **1DSRT-4-SKT** [2] — 1'x4' DSRT Surface Kit
- **2DSRT-2-SKT** [2] — 2'x2' DSRT Surface Kit
- **2DSRT-4-SKT** [2] — 2'x4' DSRT Surface Kit
- **FMA14FP** — 1'x4' NEMA "F" Mounting Frame
- **FMA22** — 2'x2' NEMA "F" Mounting Frame
- **FMA24** — 2'x4' NEMA "F" Mounting Frame
- **IRT9015** — Interact Handheld Remote for Configuration and Grouping

Not all product variations listed on page are DLC qualified. To ensure that a specific model is qualified, visit **www.designlights.org/search**

interact ready

DSRT Selectable Troffer

Selectable or Static Lumens & Color

Stocking Table

12NC	Catalog Code	Description
911401810587	1DSRT3050LCS-4-UNV-DIM	DSRT 1x4, CRI 80 3-CCT & 3-Lumen Selectable, RS Optics
912401711065	2DSRT3050LCS-2-UNV-DIM	DSRT 2x2, CRI 80 3-CCT & 3-Lumen Selectable, RS Optics
912401711066	2DSRT4060LCS-4-UNV-DIM	DSRT 2x4, CRI 80 3-CCT & 3-Lumen Selectable, RS Optics
912401711249	2DSRT3050LCS-2-UNV-DIM-EM10RM	DSRT 2x2, CRI 80 3-CCT & 3-Lumen Selectable, RS Optics, 10W Battery
912401711250	2DSRT4060LCS-4-UNV-DIM-EM10RM	DSRT 2x4, CRI 80 3-CCT & 3-Lumen Selectable, RS Optics, 10W Battery
911401838687	DSRT-CKT-NP	DSRT/SBP Suspension Pack - No Power
911401838787	DSRT-CKT-WP	DSRT/SBP Suspension Pack - with Power
911401838887	1DSRT-4-SKT	DSRT 1x4 Surface Mount Frame
911401838987	2DSRT-2-SKT	DSRT 2x2 Surface Mount Frame
911401839087	2DSRT-4-SKT	DSRT 2x4 Surface Mount Frame

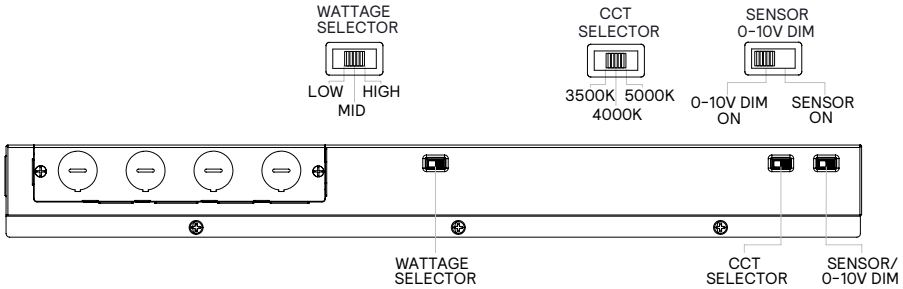
Field Selectable Lumens, CCT, and Sensor Switches

*(Applies when specified as a **Selectable** product.)*

- Wattage (Lumens) Selector: Choose between Low, Mid, or High per the Lumen Package specified. (Default: Mid)
- CCT Selector: Choose between 3500K, 4000K, or 5000K. (Default: 4000K)

*(Applies when product is specified with **DAYOCC**.)*

- Sensor/0-10V Dim Selector: Enable or Disable DAYOCC Sensor (Default: Enabled)



Replacement Lenses - Round

Diffuser	Size	Sensor	Catalog Code
Round Smooth (RS)	1'x4' 2'x4'	No	DSRT-4-RS
		Yes	DSRT-4-RS-SENSOR
	2'x2'	No	DSRT-2-RS
		Yes	DSRT-2-RS-SENSOR
Round Ribbed (RR)	1'x4' 2'x4'	No	DSRT-4-RR
		Yes	DSRT-4-RR-SENSOR
	2'x2'	No	DSRT-2-RR
		Yes	DSRT-2-RR-SENSOR

Replacement Lenses - Square

Diffuser	Size	Sensor	Catalog Code
Square Smooth (SS)	1'x4' 2'x4'	No	DSRT-4-SS
		Yes	DSRT-4-SS-SENSOR
	2'x2'	No	DSRT-2-SS
		Yes	DSRT-2-SS-SENSOR
Square Ribbed (SR)	1'x4' 2'x4'	No	DSRT-4-SR
		Yes	DSRT-4-SR-SENSOR
	2'x2'	No	DSRT-2-SR
		Yes	DSRT-2-SR-SENSOR

DSRT Selectable Troffer

Selectable or Static Lumens & Color

Specifications

Application

- Standard luminaire product height is 2-7/8". Product height is 3" when specified with Emergency, Sensor, or Chicago Plenum options.
- Light is evenly distributed on lens in both a reduced glare prismatic diffuser or higher efficacy ribbed diffuser.
- General light distribution creates uniform horizontal and vertical illuminance
- CRI 80 minimum colour rendering with balanced spectrum
- Accessory field install kits available for surface mounting, suspended mounting, and NEMA F drywall mounting.

Diffusers

All DSRT Diffusers provide visual comfort and high efficacy while providing uniform light levels on the work plane. DSRT Diffusers use the following materials:

Round Smooth: Polycarb with Polystrene diffuser
Round Ribbed: Polycarb
Square Smooth: Polycarb with Polystrene diffuser
Square Ribbed: Acrylic

- Lens is easy to detach for cleaning
- Tight enclosure assembly impedes ingress of dust and insects

Electrical

- Up to 144 lm/W efficacy
- Driver featuring high power factor (>0.90), 120-277V 60/50Hz, and less than 25% THD
- Operating temperature -10°C~40°C
- Standard configurations are 0-10V dimming to 1%
- 50,000 hours @ L70B50

Product Weight

Size	Typical Net Weight (lbs)
1' x 4'	6.6
2' x 2'	5.4
2' x 4'	9.4

Construction/Finish

- Die formed driver box with standard access plate for ease of wiring. 5 wire nuts included in driver box for easy installation.
- Integral clips accommodate definitive attachment to T-bar grid for recessed applications

Approvals

- Certified to UL Damp, CSA (cETLus), & IES standards.
- City of Chicago Approved CCEA (Option CHIC).
- Type IC Rated.
- DLC 5.1 Premium under family RRRYOR
- DLC Note: Not all product variations listed on this spec sheet are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search
- Luminaires that include Interact Pro controls options can help meet the requirements in 90.1-2022, IECC 2021, and CA T24 2022 for a maximum of 20 min. time out for occupancy controls.

General Notes

- All accessories are field installed.
- All options are factory installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.
- Five year limited luminaire warranty includes LED boards and driver. Visit www.genlyte.com/en-us/support/warranties for complete warranty information.

Controls Options*

DSRT is available with integral Basic Daylight &Occupancy sensors, Signify Interact controls, and Lutron Athena or Vive controls. Many 3rd party control solutions can be used separate of the luminaire when the control solution's required driver is specified.

Consult Day-Brite CFI for other integral sensors, remote sensors, and custom requests such as those from Encelium, Wattstopper, or others.

Interact radio node for Standalone, Gateway & Gateway + IoT tiers (RADIO)

- RADIO sensor option is a connected radio node supporting wireless mesh connectivity.
- Compatible with standalone and gateway modes of Interact.

Interact occupancy & daylight sensor for Standalone, Gateway & Gateway + IoT tiers (SWZCS)

- The SWZCS sensor option is a connected sensor with built-in occupancy and daylight detection, along with wireless mesh connectivity.
- Compatible with standalone and gateway modes of Interact.

Interact advanced sensor bundle for Gateway + IoT tier (IAOSB)

- IAOSB sensor option offers occupancy and daylight sensing and supports advanced IoT capabilities, such as desk-level temperature and humidity monitoring, noise classification, and Bluetooth Low Energy (BLE) beacon functionality.
- Setup requires a compatible gateway and internet connectivity.
- With compatible gateway and software analytics, IAOSB sensor option enables greater building efficiency, seamless system integration, and optimized space utilization through occupancy and environmental insights.

Interact for Intelligent Buildings Sensor Option Codes Across Genlyte product lines*				
	Sensor Part #	Day-Brite	Ledalite	Lightolier
Zigbee + Bluetooth	SC100B	RADIO	RA	RA
Zigbee + Bluetooth + Sensing	SC200B	SWZCS	CS	SBA or SWCS accessory
Zigbee + Bluetooth + Sensing + Environmental data	SC1500	IAOSB	SB	SBA or SWCS accessory
Zigbee + Highbay + Bluetooth + Sensing	SNH210 IA	SWZCSH	-	-

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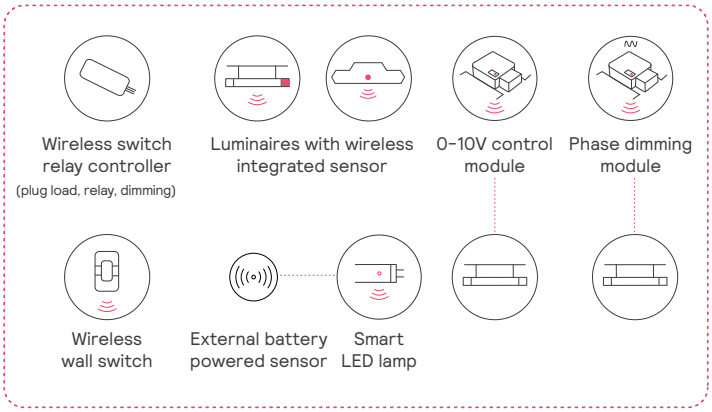
signify interact

Easy. Effective. Smart.



Meet Interact

A smart, wireless luminaire level lighting control system (LLLC). A complete solution that combines modern and intuitive technologies for easy installation and specification.

- Works with or without gateway
- No IT
- No light point restrictions
- Up to 75% out of the box savings
- Fast & easy
- Code & rebates compliant

Capabilities

- Luminaire integrated occupancy and daylight sensing
- BMS integration
- Human-centric lighting
- Connectivity & insights
- Full Automation*
- Security

*Grouping, zoning, dimming, high-end trimming, scenes, scheduling, manual controls

Benefits

Up to 80% installation savings[1]
Compared to installation costs of wired systems

Up to 5 min faster setup time[2]
Compared to similar wireless systems

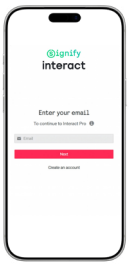
Less than 2 year payback
Implement deep energy-saving stategies and claim utility rebates

1.8x more energy savings
Compared to conventional control systems

Up to 2x utility rebates
Network Interact ready devices and get more utility rebates[3]

1. Versus legacy systems based on installer interviews
2. Based on installer analysis done by Signify for a typical multi-zone space
3. Utility programs across US

Just lights and an App



1. Install the Interact ready fixtures with embedded smart sensor
2. Install the wireless wall switch
3. Configure your setup with the Interact App
4. Leverage the IRT9015 remote accessory to accelerate your setup process
5. Optionally add a gateway for insights and management

Learn more about Interact:

Interact includes an app, a web portal, and a comprehensive range of Interact ready wireless luminaires, lamps, retrofit kits, and control devices like switches and sensors that operate within the same system.

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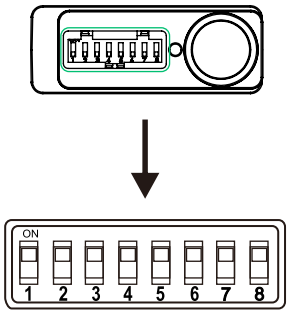
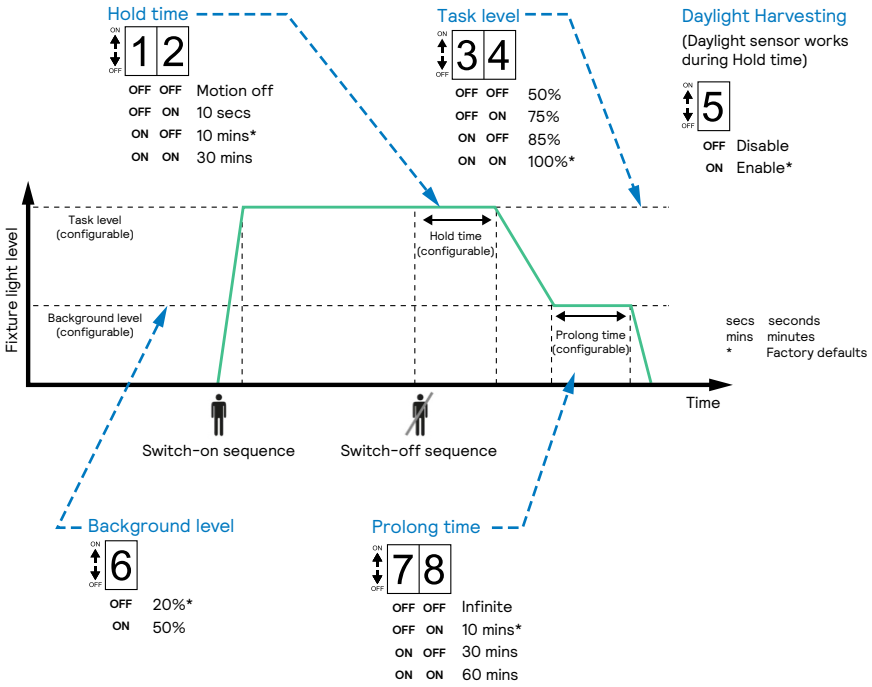
DAYOCC – Basic Daylight & Occupancy Sensor Specifications

Configurable Parameters (Dip-switches)





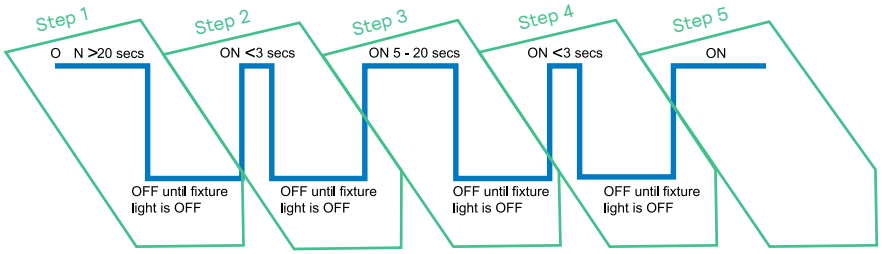
Daylight Calibration Routine

Step-by-step for the electrical mains on-off switching routine for daylight calibration in the field.

NOTE: The daylight calibration must be done when there is less or no sunlight in the area.

Step 1 Light ON for more that 20 secs, Light OFF
Step 2 Light ON for less than 3 secs, Light OFF
Step 3 Light ON for more than 5 secs but less than 20 secs, Light OFF
Step 4 Light ON for less than 3 secs, Light OFF
Step 5 Light ON
Step 6 ~3 secs after Step 5, the fixture light will blink 3 times to confirm the successful calibration of daylight sensing.

NOTE: If the confirmation blinks are not received, please restart the calibration process starting from Step 1.



Occupancy Sensing Coverage

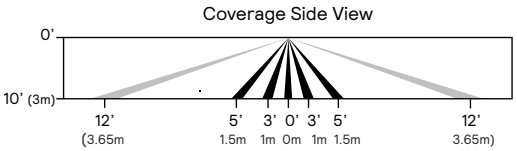
Maximum mounting height 12ft (3.65m)

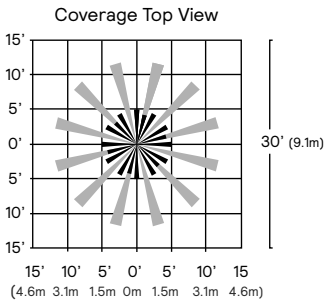
Recommended mounting height 8 – 10ft (2.5 – 3.0m)

The detection area for movement sensor can be roughly divided into two parts:

Minor movement (person moving ≤3ft/s or ≤0.9m/s

Major movement (person moving ≥3ft/s or ≥0.9m/s



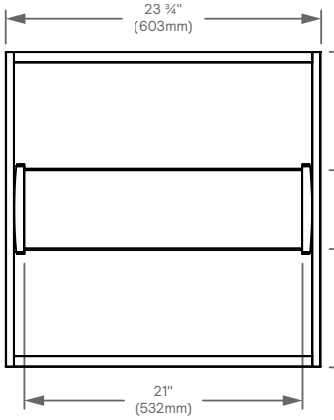


DSRT Selectable Troffer

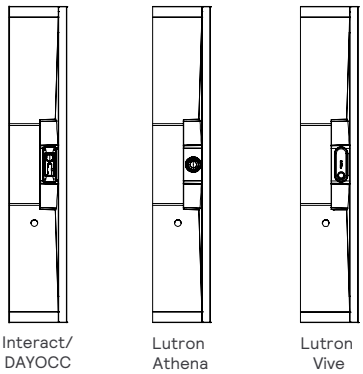
Selectable or Static Lumens & Color

Standard Configurations

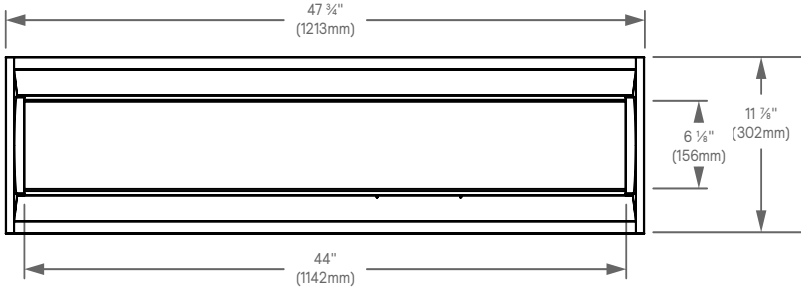
2x2 Dimensions



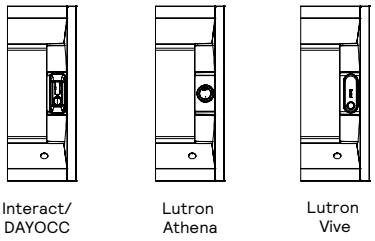
2x2 and 2x4 End Cap Detail with Integral Sensors and EM Switch



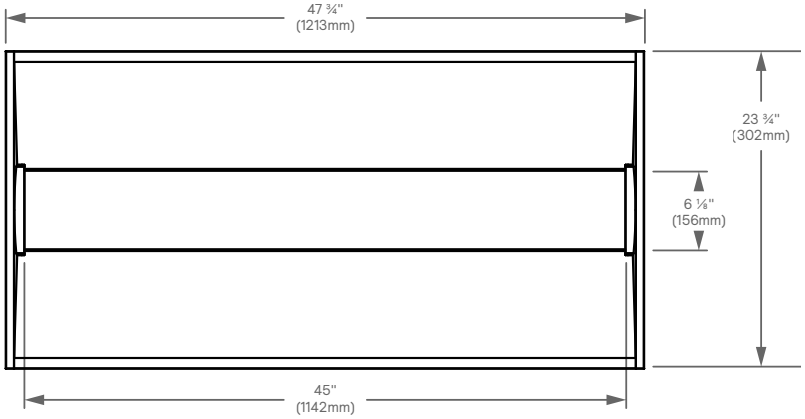
1x4 Dimensions



1x4 End Cap Detail with Integral Sensors and EM Switch

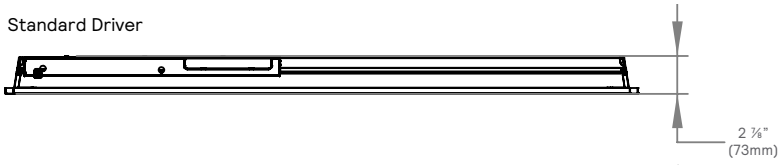


2x4 Dimensions

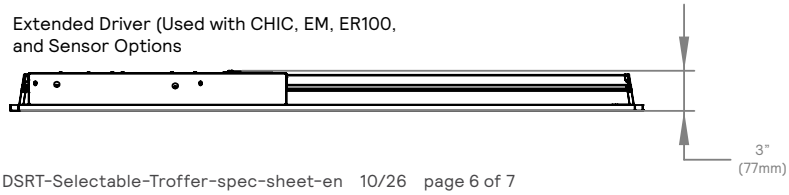


Product Height

Standard Driver



Extended Driver (Used with CHIC, EM, ER100, and Sensor Options



DSRT Selectable Troffer

Selectable or Static Lumens & Color

Photometry

DSRT 1'x4'

Nominal CRI &CCT		CRI 80, 3500K				CRI 80, 4000K				CRI 80, 5000K			
Diffuser	Lumen Package	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR
RS	3000lm	2953	23	126	19	2950	23	129	19	2977	23	128	19
RS	4000lm	3921	31	126	20	4019	31	131	20	4019	31	128	20
RS	5000lm	4700	38	125	20	4894	37	132	20	4867	38	129	20
RS	6000lm	5139	44	117	20	5444	44	124	21	5377	45	119	21
RR	3000lm	3149	23	138	20	3185	23	141	20	3220	23	140	21
RR	4000lm	4182	31	135	21	4286	31	140	22	4285	31	137	22
RR	5000lm	5012	38	134	22	5219	37	141	22	5190	38	138	22
RR	6000lm	5848	44	133	23	6196	44	141	23	6119	45	135	23
SS	3000lm	3027	23	132	19	3062	23	136	19	3126	23	135	19
SS	4000lm	4019	31	129	20	4120	31	134	20	4119	31	132	20
SS	5000lm	4817	38	129	21	5016	37	136	21	4989	38	132	21
SS	6000lm	5553	44	127	21	5884	44	133	21	5811	45	130	21
SR	3000lm	3150	23	138	21	3199	23	142	21	3224	23	140	21
SR	4000lm	4184	31	135	22	4288	31	140	22	4287	31	137	22
SR	5000lm	5014	38	134	23	5221	37	141	23	5192	38	138	23
SR	6000lm	5855	44	133	23	6367	44	144	23	6074	45	136	23

DSRT 2'x2'

Nominal CRI &CCT		CRI 80, 3500K				CRI 80, 4000K				CRI 80, 5000K			
Diffuser	Lumen Package	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR
RS	2800lm	2636	22	119	20	2685	22	123	20	2715	22	122	20
RS	3500lm	3373	28	120	21	3466	28	125	21	3477	28	123	21
RS	4200lm	4050	34	118	22	4162	34	124	22	4155	34	122	22
RS	6000lm	5204	44	119	22	5214	44	119	22	5382	44	123	23
RR	2800lm	2965	22	132	22	3017	22	137	22	3046	23	135	22
RR	3500lm	3597	28	128	23	3696	28	133	23	3708	28	132	23
RR	4200lm	4318	34	126	24	4438	34	133	24	4431	34	130	24
RR	6000lm	5712	45	128	25	5934	43	137	25	5878	45	132	25
SS	2800lm	2926	22	131	21	2580	22	117	21	2609	23	116	21
SS	3500lm	3457	28	123	22	3553	28	128	22	3564	28	126	22
SS	4200lm	4490	34	131	22	4602	34	137	23	4259	34	125	22
SS	6000lm	5457	44	125	23	5635	43	130	23	5560	44	126	23
SR	2800lm	3032	22	135	23	3087	22	140	23	3143	22	140	23
SR	3500lm	3598	28	128	23	3698	28	134	23	3710	28	132	23
SR	4200lm	4320	34	126	24	4440	34	133	24	4433	34	130	24
SR	6000lm	5791	44	132	25	6127	44	140	25	5999	44	137	25

DSRT 2'x4'

Nominal CRI &CCT		CRI 80, 3500K				CRI 80, 4000K				CRI 80, 5000K			
Diffuser	Lumen Package	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR	Flux (lm)	Watts (W)	Efficacy (LPW)	UGR
RS	3800lm	3757	30	125	19	3798	30	129	19	3815	30	127	19
RS	4800lm	4676	38	124	20	4750	37	129	20	4763	38	127	20
RS	5500lm	5504	44	124	20	5611	44	128	20	5585	45	125	20
RS	7000lm	6058	51	118	21	6294	51	123	21	6235	51	122	21
RS	8000lm	6675	58	116	21	7140	58	124	21	6997	60	118	21
RR	3800lm	4006	30	133	21	4050	30	137	21	4069	30	136	21
RR	4800lm	4986	38	133	22	5066	37	138	22	5079	38	135	22
RR	5500lm	5869	44	132	22	5984	44	137	22	5955	45	134	22
RR	7000lm	6894	51	135	23	7162	51	140	23	7095	51	139	23
RR	8000lm	7659	58	133	23	8125	58	141	23	7962	60	134	23
SS	3800lm	3850	30	128	19	3893	30	132	19	3911	30	130	19
SS	4800lm	4792	38	127	20	4869	37	132	20	4882	38	130	20
SS	5500lm	5642	44	127	20	5752	44	132	21	5724	45	128	21
SS	7000lm	6547	57	115	21	6802	57	119	21	6738	57	118	21
SS	8000lm	7270	58	126	21	7717	67	116	22	7392	58	127	21
SR	3800lm	4008	30	133	21	4052	30	137	21	4071	30	136	21
SR	4800lm	4988	38	133	22	5068	37	138	22	5082	38	136	22
SR	5500lm	5872	44	132	22	5987	44	137	22	5958	45	134	22
SR	7000lm	7785	57	136	23	8088	57	141	24	8012	57	140	23
SR	8000lm	7728	58	134	23	8631	67	130	24	7972	58	137	23

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