



TYPE 'A', 'A1', 'A2', 'A3'

TRAC 3

TRC-3



**Form**

- 5 Architectural Sizes Available for any Project Scale
- 2 Architectural Wall Sconces
- 2 Architectural Bollards
- 1 Architectural Pendant/Ceiling Mount
- Elegant Rectilinear Extruded Aluminum Housing
- Corrosion Resistant Stainless Steel External Hardware
- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Anchor Base Plate for easy installation
- 8 Architectural finishes standard, RAL colors available

**Function**

- Micro Optics IES Distributions T2, T3, T4, T5
- Lumileds Luxeon MX LEDs
- Philips Advance 0-10V Dimming Drivers THD @ Max Load < 15% Power factor @ Max Load < 0.95
- 3000, 4000, or 5000 Kelvin
- 16L TO 64L LED Configuration
- 18-205 Watts (Single Head Wattage)
- <CRI 70
- Extruded Aluminum Heat Sink
- Driver Separate from Light Engine for Superior Thermal Management
- 5 mils Powder Coat

**Reliability**

- 30 Year Lighting Solution
- L70 483,000 Hours
- L90 160,000 Hours
- Silicone Micro Optics
- 5 Year Standard Warranty
- IP 65 Rated Fixture
- IP67 Optics
- UL Listed
- Reduces energy consumption and costs up to 65%

**Design Flexibility**

- Mid Pole Fixture



The image shows a modern, rectangular LED bollard light fixture. It has a dark, extruded aluminum housing with a sleek, minimalist design. The fixture is mounted on a single vertical post and features a clear, rectangular lens at the top through which multiple LED modules are visible. The background is a solid, neutral gray.

# 4DR LED 4.5" Downlight – Round

**TYPE 'S'**

CATALOG #:

TYPE:

PROJECT:

## NEW CONSTRUCTION AND REMODEL

## FEATURES

### TrimLock®

Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane  
Industry-leading efficacies as high as 113 lm/W – ENERGY STAR® certified  
Available on QuickShip

## SPECIFICATIONS

**HOUSING** – Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms field adjust for ceiling thickness from 1/2" – 2-1/4".

**TRIMLOCK** – Innovative TrimLock reflector retention system ensures the trim remains flush with the ceiling plane.

**OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.

**LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, tempered glass lens.  
**ELECTRICAL** – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.

**MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Remodel kit option includes receiver bracket hardware. Minimum 24" O.C. marked spacing required for L50 and L60 lumen packages.

## LISTINGS –

- cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for damp locations. LED light assembly conforms to UL 2108 for remote installation.
- Suitable for wet location under covered ceiling when specified with WET/CC or TD options.
- ENERGY STAR® certified in select configurations, see [www.energystar.gov](http://www.energystar.gov)
- IC-rated for direct contact with insulation when specified with I Mounting Type.
- City of Chicago Environmental Air approved when specified with CP option.
- Complies with ASTM-E283 when specified with ATH option.
- RoHS compliant.
- Title 24 (JA8) compliant in select configurations, see [www.cacertappliances.energy.ca.gov](http://www.cacertappliances.energy.ca.gov).

**WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE:** 4DR - TL - L20/835 - OPTIONS - DIM - UNV - [HOUSING] - [TRIM] - [MOUNT.]

## HOUSING

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	OPTIONS	CONTROL <sup>[2]</sup>	VOLTAGE
4DR - TL	L10 1,000lm <sup>[3]</sup>	8 80	27 2700K	SCA_	DIM	Dimming driver, 0-10V
TrimLock	L15 1,500lm	9 90 <sup>[4]</sup>	30 3000K	Sloped ceiling adapter <sup>[5]</sup>	DIM1	347 347V <sup>[6]</sup>
	L20 2,000lm		35 3500K	ATH	Airtight construction	1% Dimming driver, 0-10V
	L30 3,000lm		40 4000K	F	Fuse	
	L40 4,000lm		50 5000K	EM/7W	7-watt emergency battery <sup>[7]</sup>	
	L50 5,000lm			EM/10W	10-watt emergency battery <sup>[8]</sup>	
	L60 6,000lm			EM/10W/RTS	10-watt emergency battery with regressed test switch <sup>[9]</sup>	
				CP	Chicago plenum (CCEA) <sup>[10]</sup>	
				SDT	Stepdown transformer <sup>[11]</sup>	

## TRIM <sup>[12]</sup>

TRIM TYPE	DISTRIBUTION <sup>[13]</sup>	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W Wide	OF 1/2" standard flange	Open trim types	MWT Textured white trim flange <sup>[20]</sup>
L Flush lens	65° Open	50° Flush	CS Clear semi-specular anodize	IP IP65 rated trim <sup>[21]</sup>
R Regressed lens	50° Regressed	50° Regressed	SG Satin-glow anodize	AD Diffuse acrylic lens <sup>[22]</sup>
A Angled lens <sup>[14]</sup>	Medium <sup>[16]</sup>	SF 1/4" mud-in flange <sup>[19]</sup>	GD Gold anodize	PD Diffuse 1/8" polycarbonate lens <sup>[23]</sup>
S Non-conductive flush lens for shower applications <sup>[15]</sup>	45° Open	Champagne gold anodize	TD Diffuse polycarbonate lens media at top of open reflector <sup>[24]</sup>	
	35° Flush	Pewter anodize		
	30° Regressed	SPC Clear specular anodize		
	N Narrow <sup>[17]</sup>	RG Rose gold anodize		
	10° Open	WH White texture powder coat		
	25° Flush	BL Black texture powder coat		
	25° Regressed			
WW Wall wash <sup>[18]</sup>				
			Lens trim types	
			CS Clear semi-specular powder coat	
			WH White texture powder coat	
			BL Black texture powder coat	
			MB Black texture splay with white flange <sup>[27]</sup>	

## MOUNTING

### MOUNTING TYPE <sup>[28]</sup>

- N Open pan for new construction
- I IC-rated enclosure for new construction <sup>[30]</sup>
- R Remodel kit <sup>[31]</sup>

### MOUNTING HARDWARE <sup>[29]</sup>

- F1 Integral 2-position fixed pan bracket, universal bar hanger included <sup>[32]</sup>
- BA1 Adjustable butterfly pan bracket, bar hanger not included <sup>[33]</sup>
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included <sup>[34]</sup>

## NOTES

- 1 Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- 2 See page 4 for ADDITIONAL CONTROL OPTIONS.
- 3 Not available with EM/10W emergency batteries.
- 4 Extended lead times may apply. Consult factory for availability.
- 5 9" aperture, specify degrees of slope in 5° increments, 05°-30°. See page 4 for SLOPED CEILING ADAPTOR DETAILS. Not available with ATH option. N Mounting Type only. Not available with WET/CC.
- 6 Not available with EM batteries or DMX controls.
- 7 N and R Mounting Types only.
- 8 N and R Mounting Types only.
- 9 Not available with WET/CC, ATH or IP options. N and R Mounting Types only. See page 5 for EM/10W/RTS DETAILS.
- 10 I Mounting Type required.

- 11 May be required for 347V, see product builder at [hew.com/product-builder](http://hew.com/product-builder)
- 12 Trim ships separately.
- 13 Beam angle based on CS or WH reflector finish.
- 14 Available with WW Distribution only.
- 15 W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
- 16 Not available with lumen stops L50 and higher when specified with flush or regressed trim types.
- 17 Not available with lumen stops L50 and higher when specified with flush or regressed trim types.
- 18 O and A Trim Types only.
- 19 For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 5 for FLANGE TYPE DETAILS. Not available with ATH or IP options.
- 20 Not available with WH Reflector Finish, L or S Trim Types.
- 21 L and R Trim Types only.

- 22 Not available with O trim type. W distribution only.
- 23 Not available with O trim type. W distribution only.
- 24 O Trim Type only. WET/CC standard. L50 lumen package max.
- 25 L50 lumen package max with O Trim Type.
- 26 WH and BL Reflector Finishes only. Not available with S Trim Type.
- 27 R Trim Type only. Not available with MWT.
- 28 Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 5 for MOUNTING TYPE DETAILS.
- 29 Additional mounting hardware options available. See page 6 for MOUNTING HARDWARE DETAILS.
- 30 L20 lumen package max. L30 available, wide distribution only for lensed trims.
- 31 Also used in new construction sheetrock ceilings.
- 32 N and I Mounting Types only. I Mounting requires external brackets.
- 33 N Mounting Type only
- 34 N Mounting Type only

**bios**  
ILLUMINATED  
Available with BIOS® consult factory

H.E. Williams, Inc.

Carthage, Missouri

[www.hew.com](http://www.hew.com)

417-358-4065

Designed and Manufactured in the USA

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Downlights

Page 1 of 6

Project Name:			Type: <b>TYPE 'A', 'A1', 'A2', 'A3'</b>						
<b>TRC-3 ORDERING GUIDE</b>			*Ordering information for Pole & Fixture						
Cat#	Light Dist.	No. of LEDs	Milliamps	Kelvin Temp	Volts	Config.	Color	Options	
Trac 3 <b>(TRC-3)</b>	Type 2 <b>(T2)</b>	16 <b>(16L)</b>	700 <b>(7)</b>	3000K <b>(30K)</b>	120-277 <b>(UNV)</b>	Single <b>(SGL)</b>	Bronze Textured <b>(BRZ)</b>	Surge Protector <b>(10K)</b>	
	Type 3 <b>(T3)</b>	32 <b>(32L)</b>	1050 <b>(1)</b>	4000K <b>(40K)</b>	340-480 <b>(HV)</b>	Double <b>(D-180)</b>	White Textured <b>(WHT)</b>	Nema 7-Pin Receptacle <b>(PE7)</b>	
	Type 4 <b>(T4)</b>	48 <b>(48L)</b>		5000K <b>(50K)</b>		T	Smooth White Gloss <b>(SWT)</b>	Photocell <b>(PC)</b>	
	Type 5 <b>(T5)</b>					MPF Triple <b>(TRI)</b>	Silver Textured <b>(SVR)</b>	* Universal Voltage 120-277	
						MPF Quad <b>(QD)</b>	Black Textured <b>(BLK)</b>	Dimming Control with Motion Sensor (UNV Voltage) <b>(DC-20)</b> For 9'-20'	
						MPF <b>(MPF)</b>	Smooth Black Gloss <b>(SBK)</b>	<b>(DC-40)</b> For 21'-40'	
							Graphite Textured <b>(GPH)</b>	Marine Grade Finish <b>(MGF)</b>	
							*MPF Mid Pole Fixture	Grey <b>(GRY)</b>	
								Custom <b>(CS)</b>	House Side Shield <b>(HSS)</b>
									Rotated Optic Left <b>(ROL)</b>
									Rotated Optic Right <b>(ROR)</b>
Pole Height	MPF Fix	MPF LEDs	MPF mA	MPF Height	MPF Orient				
16' <b>(16)</b>	Trac 3 <b>(TRC-3)</b>	16 <b>(16L)</b>	350 <b>(35)</b>	12' <b>(12)</b>	Single Right <b>(SGLR)</b>				
18' <b>(18)</b>	Trac 2 <b>(TRC-2)</b>	32 <b>(32L)</b>	530 <b>(53)</b>	14' <b>(14)</b>	Single Left <b>(SGLL)</b>				
20' <b>(20)</b>	Trac 1 <b>(TRC-1)</b>	48 <b>(48L)</b>	700 <b>(7)</b>	16' <b>(16)</b>					
22' <b>(22)</b>			1050 <b>(1)</b>		*MPF Height From Ground				

Project Name:	Type: <b>TYPE 'B'</b>			
<b>TBL ORDERING GUIDE</b>				
Cat#	Length	Light Dist.	No. of LEDs	Milliamps
Trac Linear Bollard <b>(TBL)</b>	24 in <b>(24)</b>	Type 2 <b>(T2)</b>	16 <b>(16L)</b>	175 <b>(175)</b>
	36 in <b>(36)</b>	Type 3 <b>(T3)</b>		350 <b>(35)</b>
	42 in <b>(42)</b>	Type 4 <b>(T4)</b>		530 <b>(53)</b>
				700 <b>(7)</b>
				1050 <b>(1)</b>
Kelvin	Volts	Mounting	Color	Options
3000K <b>(30K)</b>	120-277 <b>(UNV)</b>	Anchor Base <b>(AB)</b>	Bronze Textured <b>(BRZ)</b>	Surge Protector <b>(10K)</b>
4000K <b>(40K)</b>			White Textured <b>(WHT)</b>	Dimming Control with Motion Sensor (UNV Voltage) <b>(DC-8)</b> For 8' and below
5000K <b>(50K)</b>			Smooth White Gloss <b>(SWT)</b>	Marine Grade Finish <b>(MGF)</b>
			Silver Textured <b>(SVR)</b>	Dual Head <b>(DH)</b>
			Black Textured <b>(BLK)</b>	
			Smooth Black Gloss <b>(SBK)</b>	
			Graphite Textured <b>(GPH)</b>	
			Grey <b>(GRY)</b>	
			Custom <b>(CS)</b>	

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Downlights  
 Page 1 of 6

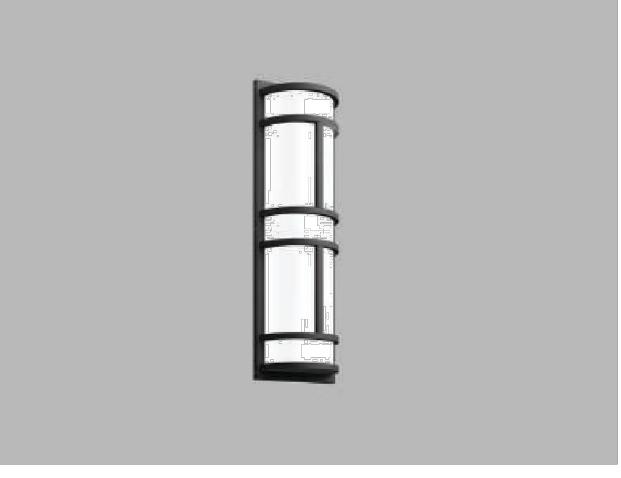
**Solera**  
 1610 Sismet Road, Mississauga, Ontario L4W 1R4, Canada  
 Toll Free: 1.877.765.3722 Fax: 905.457.1115 www.soleracorp.com

Date  
 Quote #  
 Project Name  
 Type

**TYPE 'W'**

**DGW - Wall Mount**

**Description:**  
 Fabricated aluminum housing construction with silicone gasket for weather seal. Several aluminum bar designs available. Contact for custom.



Name	Engine	Lumens	CCT	Electrical	Mounting	Lens	Pattern	Options	Finish
<input type="text"/>									

Name	Light Engine	Source Lumens <sub>(LED)(5000K)</sub>	Color Temp	Electrical
DGW-2C	12"X38" 60 LED (Max)	10560 (3G Version)	2700K	UNV 120-277V
DGW-2UD	2PLT32		3000K	HLV 347-480V
DGW-3G	27BIAX		3500K	TT Tri-Tap(HID)
DGW-7G			4000K	MT Multi-Tap(HID)
DGW-7SPL			5000K	
DGW-4G-PERF				
DGW-PERF				
Contact for custom designs	Contact for custom	Contact for custom	Contact for custom	

Mounting	Lens	Light Pattern	Options	Finishes					
WM	Wall mount	OAL	Opal acrylic lens (Std)	UDF	Up, down & front light (std)	DM	0-10V dimming	Black	
		ABL	Alabaster lens	F	Front light	PC	Button photocell	BL	Black
						WL	Wet location	WH	White
						SF	Single fuse	SG	Silver Grey
						EM	Emergency battery	BZ	Bronze
						RB	Remote ballast/driver	CC	Custom
						TP	Tamperproof hardware		Custom Color
						TS	Tamperproof screws		See website for custom colors. Contact factory for physical samples.
						RGBW	Programmable color changing LEDs		

Lumens are based on max wattage & 5000K CCT  
 IES files available upon request  
 Std - Standard Offering

Since product development is an on-going process, Solera reserves the right to change the information on this spec sheet.