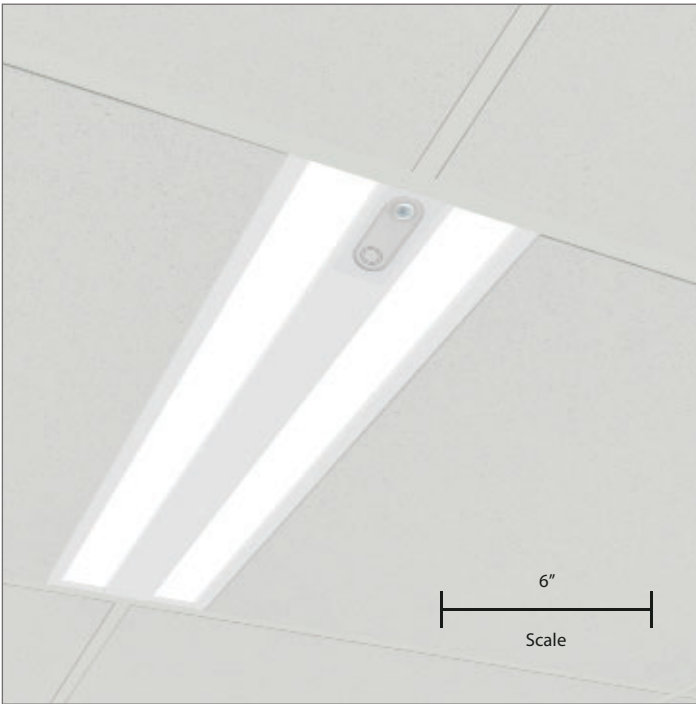


# GRIDHybrid6

## 6" Edge-Lit Linear LED T-Bar Mount



### Features & Benefits

Exceptional Performance  
Up to 2,000 lm/ft, 135 lm/W efficacy

Wide Range of LED Selections  
Static, Tunable White, and Dim-to-Warm

Designed with Options  
Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

Patented Innovations  
Fusion® Optix Inside with unique SmartBeam® capabilities

Proprietary Optical Components  
Provides excellent light distribution and high-transmission

Committed to Sustainability  
Declare Listed and Red Free List materials

Compliance  
UL Listed, Dry and Damp Locations

5-Year Warranty  
Standard 5-year warranty, 50,000 hours



Designed & Built in  
**BOSTON**



## FIXTURE ORDERING

Project Name

Fixture Type

### 1) FIXTURE DESIGN

PRODUCT	GRID T-BAR STYLE	FIXTURE LENGTH	FINISH	OPTIC
<b>GHY6-R</b>				
6" Edge-Lit Linear LED Recessed T-Bar Grid Mounting	<b>GT1</b> 9/16" Flat T-Bar <b>GT2</b> 9/16" Bolt Slot T-Bar <b>GT3</b> 15/16" Flat T-Bar  <b>X_</b> Specify Mounting Type	<b>S2F</b> Standard Grid 2ft <b>S4F</b> Standard Grid 4ft <b>S6F</b> Standard Grid 6ft <b>S8F</b> Standard Grid 8ft  <b>X_</b> Specify X', Y"	<b>MWH</b> Matte White (RAL9003) <b>MBK</b> Matte Black (RAL9005) <b>MGR</b> Matte Gray (RAL7001)  <b>RAL_</b> Specify RAL#	<b>ORL</b> Regressed Lens <b>OFL</b> Flush Lens

### 2) LED LIGHT ENGINE

CRI	CCT	DIRECT BEAM PATTERN	DIRECT OUTPUT
<b>S80</b> Std. 80 CRI	<b>22</b> 2200K	<b>DLAM</b> Lambertian	<b>35</b> 350 lm/ft
<b>S90</b> Std. 90 CRI	<b>27</b> 2700K	<b>DM60</b> Medium 60°	<b>50</b> 500 lm/ft
<b>HE80</b> High-Eff. 80 CRI	<b>30</b> 3000K	<b>DBW65</b> Batwing 65°	<b>75</b> 750 lm/ft
<b>HE90</b> High-Eff. 90 CRI	<b>35</b> 3500K	<b>DBW115</b> Batwing 115°	<b>100</b> 1,000 lm/ft
<b>HD95</b> High-Def. 95 CRI	<b>40</b> 4000K	<b>DA5025</b> Asymmetric 50° at 25° Tilt	<b>150</b> 1500 lm/ft
<b>SUN</b> Full SunLike	<b>50</b> 5000K		<b>200</b> 2000lm/ft
<b>SBIOS</b> Static BIOS	<b>3022D</b> 3000K to 2200K Dim-to-Warm	<b>X_</b> Specify Beam	
<b>DBIOS</b> Dynamic BIOS	<b>3527D</b> 3500K to 2700K Dim-to-Warm		<b>O_</b> Specify lm/ft
<b>TBIOS</b> Tunable White BIOS	<b>X_</b> Specify CCT		

### 3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (AC)	INTEGRAL DRIVER (POWER)	EMERGENCY BACKUP	CONTROL SYSTEM <sup>1</sup>
<b>UNV</b> 120/277V <b>347</b> 347V	<b>FDND</b> Factory Non-Dimming <b>FD01</b> Factory 0-10V 1% Dim <b>FD10</b> Factory 0-10V 10% Dim <b>FDDA</b> Factory DALI 0.1% Dim <b>FDDX</b> Factory DMX Dim <b>FDTR</b> Factory TRIAC Dim <b>LD01</b> Lutron Hi-Lume 1% Dim <b>LD05</b> Lutron 5-Series 5% Dim <b>ED00</b> eldoLED 0-10V 0.1% Dim <b>ED01</b> eldoLED 0-10V 1% Dim <b>EDDA</b> eldoLED DALI 0.1% Dim <b>X_</b> Specify Driver	<b>NN</b> Not Needed <b>EMC</b> Emergency Circuit <b>EMB</b> Emergency Battery (10 W — Onboard) <b>X_</b> Specify Backup	<b>NN</b> Not Needed <b>LUT</b> Lutron <b>COO</b> Cooper <b>CAS</b> Casambi <b>X_</b> Specify Control System

### 4) ACCESSORIES

#### MOUNTING HARDWARE

**SSC** Stainless Steel Suspension Cable

#### NOTES

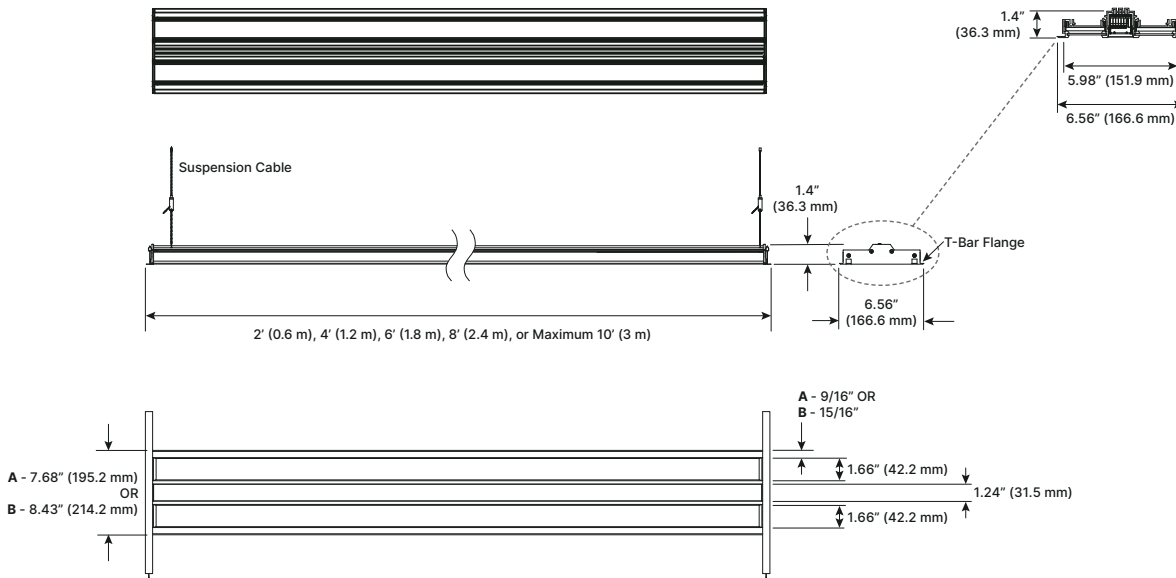
Footnotes: <sup>1</sup> The control system and driver must be compatible.

## FIXTURE DESIGN

### Dimensions



To download BIM (Revit) Files, please click or scan the QR Code.



### Length

Length Options: 2', 4', 6', 8', 10' nominal, or custom within 3"

### Finish

Housing Colors (Matte Finish)



White (RAL9003)



Black (RAL9005)



Gray (RAL7001)



Clear Anodized Effect



Custom RAL

Housing Material: 6063-T5 extruded, recycled aluminum

Mounting Brackets: Sheet metal

### End Cap

End Cap Option: Flat

End Cap Material: Machined or cast aluminum

### Optic

Lens Option: Regressed

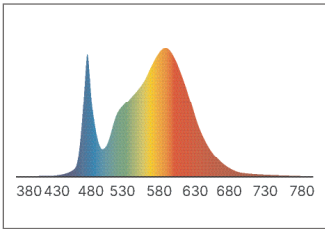
Lens Material: Patented SmartOptics® made from Acrylic (PMMA)

### Voltage

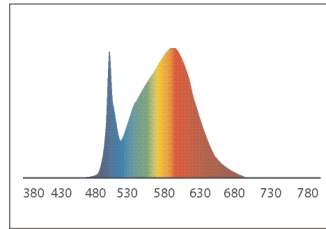
Fixture Voltage (AC): 120–277 VAC and 347 VAC, 50/60 Hz

LED SELECTION GUIDE

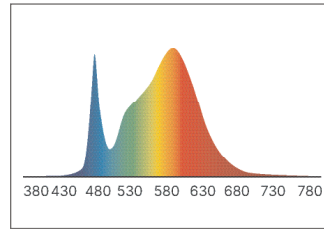
S80: Standard 80+ CRI



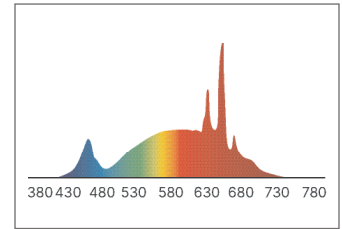
S90: Standard 90+ CRI



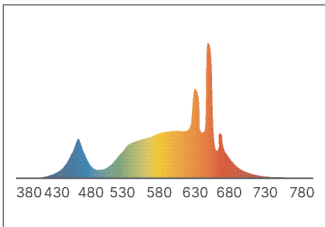
HE80: High-Efficiency 80+ CRI



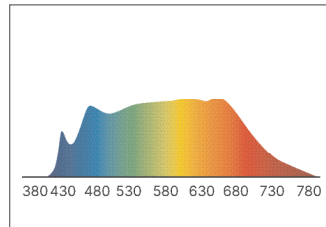
HE90: High-Efficiency 90+ CRI



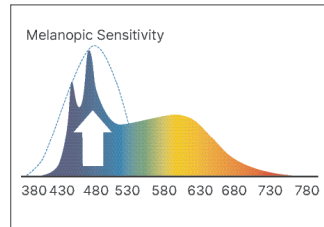
HD95: High-Definition 95+ CRI



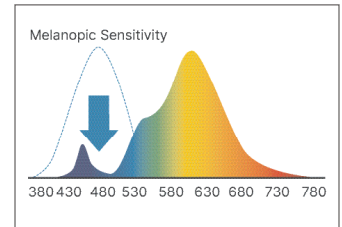
SUN: Full Spectrum "SunLike"



HCD: Human Centric Day



HCN: Human Centric Night



Static White Light (LED Light Engine Only)

CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
S80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
S90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
HE80	High Efficiency 80 CRI	3500K	82.1	5.9	83	94.2	81.2	0.52	210
HE90	High Efficiency 90 CRI	3500K	92.2	90	90.7	103.8	92.1	0.56	190
HD95	High Definition 95 CRI	3500K	97.1	95	-	-	-	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	-	-	-	-	130
HCD	Human Centric Day	4000K	83	95	-	-	-	0.92	155
HCN	Human Centric Night	2700K	80	-	-	-	-	0.44	134

LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
S80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
S90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
HE80	-	0.96	0.99	1.00	1.03	1.04	1.03	1.03
HE90	-	0.91	0.96	1.00	1.04	1.11	N/A	N/A
HD95	-	0.91	0.96	1.00	1.04	1.11	1.03	1.04
SUN95	-	0.90	0.92	1.00	1.01	1.07	1.04	1.05
HCD	-	N/A	0.96	1.00	1.04	1.04	1.04	1.04
HCN	-	0.87	0.96	1.00	1.04	N/A	N/A	N/A

## BIOS TECHNOLOGY

### Choosing Your BIOS Solution

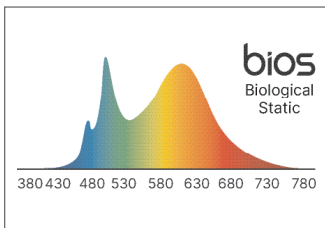
BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural color temperatures.



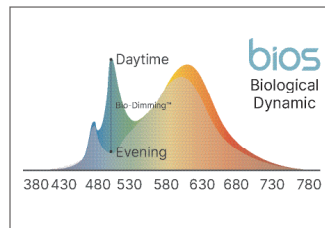
To learn more about BIOS Technology, please click or scan the QR Code.



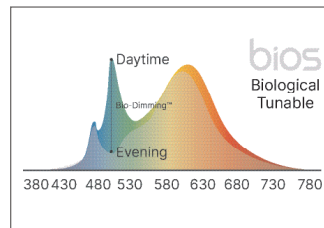
BIOS Static



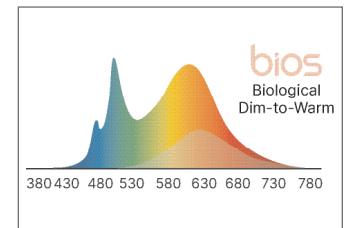
BIOS Dynamic



BIOS Tunable



BIOS Dim-to-Warm



#### Daytime

No color change when dimmed

Spaces that operate during daytime hours — 7am and 7pm

#### Daytime & Evening

500K shift when dimmed

Spaces that operate overnight — after 7pm and before 7am

#### Daytime & Evening

Dims to 2700K

Spaces that operate with overnight shifts — after 7pm and before 7am

#### Daytime & Evening

Dims from cool to warm

Spaces where people sleep — after 7pm and before 7am

### Circadian and Human Centric Light

CODE	DESCRIPTION	BIO-DIMMING MODULE TECHNOLOGY GUIDE					
		Driver	Driver Voltage	CCT	Requires BIO-Dimming Module	Lighting Control	BIOS SkyBlue (490nm)
SBIOS	BIOS Static	DIM1	0-10V Dimming to 1% Dim-to-Dark	No CCT Change	No	Intensity Dimming Control Only	Always Present
DBIOS	BIOS Dynamic	BIODIM1	0-10V Intensity Dimming to 1% Dim-to-Dark	500K Shift	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DBIOS-2	BIOS Dynamic (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
TBIOS	BIOS Tunable	ATW / DTW	0-10V Control of Intensity & CCT on Separate 2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels	Dims to 2700K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
TBIOS-2	BIOS Tunable (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
DWBIOS	BIOS Dim-to-Warm	-	-	Dims to 2200K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DWBIOS-2	BIOS Dim-to-Warm (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"

SMARTBEAM® TECHNOLOGY

The Ultimate Control of Lighting Distributions

SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every XICO product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

To learn more about our SmartBeam Technology, please click or scan the QR Code.



FIXTURE POWER & CONTROLS

Voltage

LED Driver Factory Selected, 36–39V Constant Current

Emergency Backup

Backup Types Emergency Circuit, Emergency Battery (Onboard), and other emergency backups are available

Wiring Typically the Emergency Backup is wired to 48” sections

Power 10 W

Illumination Time 90 minutes

Partners



Control Systems

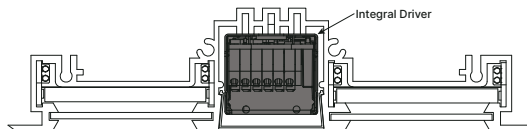
Integral Drivers

Other Factory Non-Dimming, Factory 0–10V 1% Dim, Factory 0–10V 10% Dim, Factory DALI 0.1% Dim, Factory DMX Dim, Factory TRIAC Dim, eldoLED 0–10V 0.1% Dim, eldoLED 0–10V 1% Dim, eldoLED DALI 0.1% Dim, and other drivers are available, consult factory (not all integral)

Lutron Hi-Lume 1% Dimming and 5-Series 5% Dimming

Cooper Compatible driver

Casambi (wireless) Compatible driver



Drivers are integral to the fixture and are included. They provide 0–10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.



Integral Driver

## FIXTURE MOUNTING & CONNECTIONS

### Mounting Type

T-Bar Mount

Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

Power Cord

24" Cable Kit

White

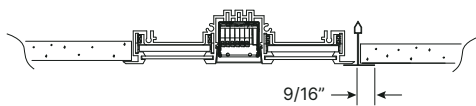
Mounting Kit

Suspension Cord

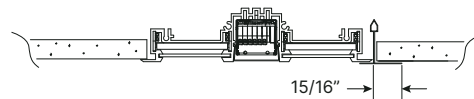
Stainless Steel

### Mounting Options

#### T1 - 9/16" Flat T-Bar Mount

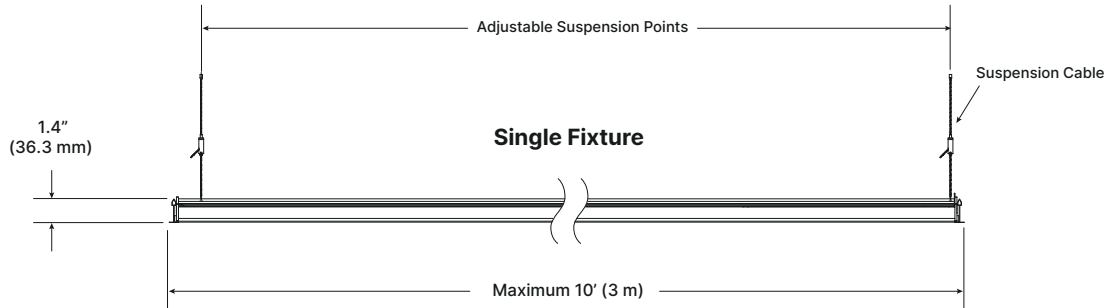


#### T3 - 15/16" Flat T-Bar Mount

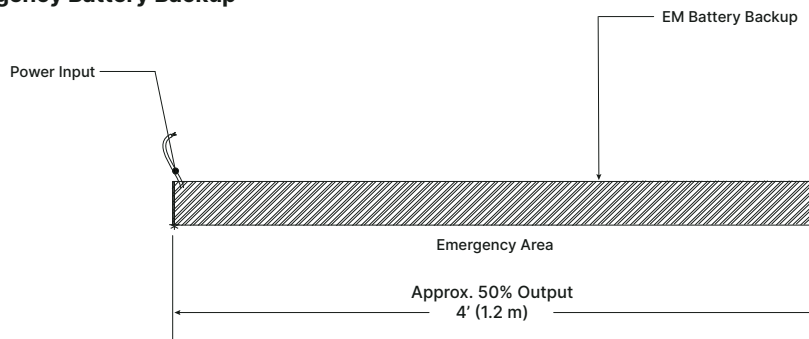


## Standard Lengths & Continuous Runs

Maximum length of one fixture is 10'. Longer runs can be produced by joining sections. Customer approval of shop drawings is required prior to build of any non-standard length order.



## Emergency Battery Backup



EM Area is Set to 4' (1.2 m) for All Fixture Lengths.  
 Fixtures Normal Power Maximum Output Level Set at Factory

Battery Power: 10 W  
 Illumination Time: 90 minutes  
 Light Output approx 300 lm/ft or 1200-1300 Total Lumens\*  
 Recharge Time: 24 Hours

\*Light output may vary based on fixture output level ordered.



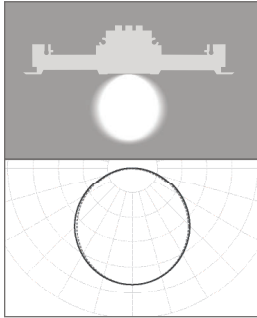


OPTIC	BEAM PATTERN		
	DLAM	DBW65	DA5025
Regressed Lens	●	●	●

## DIRECT PHOTOMETRICS

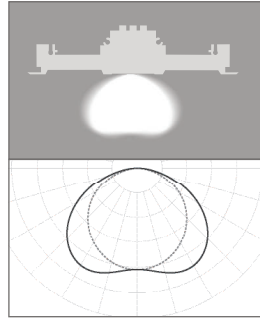
Static White Light

DLAM: Lambertian



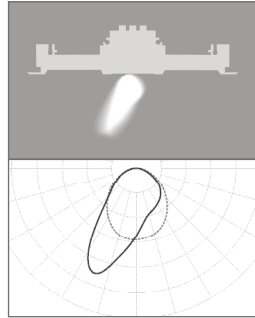
Length 48"  
 LED HE80  
 CRI/CCT 80+/3500K  
 Lumens 3,000  
 lm/ft 746  
 Watts 27  
 W/ft 6.8  
 LPW 110

DBW65: Batwing 65°



Length 48"  
 LED HE80  
 CRI/CCT 80+/3500K  
 Lumens 3,000  
 lm/ft 743  
 Watts 27  
 W/ft 6.8  
 LPW 109

DA5025: Asymmetric 50° at 25° Tilt



Length 48"  
 LED HE80  
 CRI/CCT 80+/3500K  
 Lumens 3,000  
 lm/ft 738  
 Watts 10.5  
 W/ft 5.3  
 LPW 141

PATENTS & TRADEMARKS



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Utility Patents

United States	US11543582, US11520097, US11512466, US11441749, US11396751, US11333822, US11163104, US11156762, US10852466, US10068447, US8953926, US8948564, US8911099, US8876348, US8794812, US8783898, US8761565, US8750671, US8721152, US8619363, US8430548, US8408775, US8249408, US8231256, US8177408, US8033706, US8033674, US7991257, US7914192, US7784954, US7758227, US7722224, US7542635, US7453636, US7453635, US7431489, US7408707, US7278775, US6369944, US6346311, US6123877, US5932342, US5837346, US20220373144, US20220372752, US20220364708, US20220357006, US20220357005, US20220342141, US20220290432, US20220206210A1, US20220171119A1, US20220171115A1, US20220162856A1, US20220162853A1, US20220146063A1, US20220137287, US20210301991A1, US20200355345A1, US20200217071A1, US20220333765A1, US20220228366A1, US20220196906A1, US20220010554A1, US20080043490A1, US20060290253A1, US20060215958A1, US20120321247, US20120250330, US20120099204
Canada	CA2702600, CA2702685, CA2702690
France	FREP0800658
Germany	DEEP0800658
Great Britain	GB2492541, GB2492542, GBEP0800658, GB2492398
Japan	JP03958359
Netherlands	NLEP0800658
Taiwan	FTW360813B
European Patent Organization	EP0843203, EP0843203

Design Patents

United States	USD719282, USD717973, USD669606, USD669608, USD669609, USD669614, USD663056
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The Patent Corporation Treaty

World Intellectual Property Organization	WO2015200268
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Trademarks

United States	US6672871, US6397231, US6373493, US6257728, US6190558, US6190559, US6142905, US6114408, US6038234, US6025279, US6060740, US6257729, US5856164, US5734112, US5543304, US5309290, US5309315, US4691124, US4640751
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