

OVE Austrian Electrotechnical Association
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OVE Certification
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ENEC Certification Body registered under ID # 11.

Validity of ENEC+ Licences can be checked at www.enec.com

LICENCE

to use the ENEC+ Mark



Licence No.: **80585-012**

Date of issue: Wien, 2023 10 24

OVE the Austrian Electrotechnical Association as signatory to the **"Agreement on the use of a commonly agreed Mark of Conformity for certain electrical equipment complying with European Standards"** hereby grants the right to label the products mentioned hereunder and listed in the Annex with the Mark(s) shown above to the following company

Licensee: **ZG Lighting France**
Route de Paix
27705 Les Andelys
France

Product: **Luminaire for road and street lighting**

Trade Mark: **THORN**

Series/Type: **VOLUPTO CL2**

Basis for this given right is the conformity of the products with the requirements of the relevant Standard(s) as listed in the Annex and the fulfilment of articles 8 and 9 of the ENEC-Agreement by the manufacturer. This licence refers to the tested specimen and to all products manufactured strictly identical to the submitted one.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

Only valid in conjunction with ENEC-Licence No.: 80585-025 Rev. 01

Österreichischer Verband für Elektrotechnik
Head of OVE Certification

Digitally signed by T. Neumayer
Email=t.neumayer@ove.at

Dipl.-Ing. T. Neumayer



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<i>Hersteller Manufacturer</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Fertigungsstätte(n) Factory location(s)</i>	ZG Lighting SRB doo Ulica Cumtobel br. 1 18000 Nis Serbia
<i>Typenbezeichnung Type reference</i>	VO 12L ... CL2 ... VO 18L ... CL2 ... VO 24L ... CL2 ..., see type code on page 5.
<i>Prüfbericht Test Report</i>	TR 80585-0039-01, TR 80585-0039-02, TR 80585-0039-03, TR 80585-0039-04, TR 80585-0039-05, TR 80585-0039-06, TR 80585-0039-07, TR 80585-0039-08, TR 80585-0039-09.
<i>ENEC+ Requirement Sheet Standard</i>	PD EPRS 003:2018-05 (based on EN 62722-2-1:2016)
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	This Licence is valid for all LED luminaires as listed on page 6. Rated photometric values according to EPRS 003 had been approved on selected samples, which where found to be representative for the certified family range (based on AD ENEC 331). MPL-procedure.

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<i>Nennspannung</i> <i>Rated voltage</i>	AC 220-240 V, 50/60 Hz
<i>Nennleistung</i> <i>Rated power</i>	see page 5
<i>Lampentyp(en)</i> <i>Lamp identification</i>	1x LED module LEM R12, or 2x LED module LEM R12, or 1x LED module LEM H18.
<i>Schutzklasse</i> <i>Class of protection</i>	CI.II
<i>Ähnlichste Farbtemperatur</i> <i>Correlated colour temperature CCT</i>	2200 K, 2700 K (only for types VO 18L ...), 3000 K, 4000 K (all types).
<i>Bemessungswert des Farbwiedergabeindex</i> <i>Rated colour rendering index CRI</i>	70, 80 (only for types VO 18L ...)
<i>Bemessungslichtstrom</i> <i>Rated luminous flux</i>	see pages 7 to 16
<i>Bemessungswert der Lichtausbeute</i> <i>Rated efficacy</i>	see pages 7 to 16
<i>Umgebungstemperatur ta</i> <i>Rated ambient temperature ta</i>	25°C
<i>Type von LED-Leuchte</i> <i>Type of LED luminaire</i>	Type A
<i>Zusatzinformation</i> <i>Additional information</i>	Classified as risk group 2 (moderate risk) according to EN 62471:2008.

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<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufacturer</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
<i>LED control gear</i>	B	Tridonic	LCO 40/200–1050/64	ENEC 11
	B	Tridonic	LCO 60/200–1050/100	ENEC 11
	B	Philips	Xitanium SR 40W	ENEC 05
<i>Connector</i>	B	Tyco	2213858-1	IMQ
<i>Internal wiring</i>	B	Omerin	RECSC	VDE
	B	BLF	300V; 180°C; double insulated SiHSil U	VDE
	B	BLF	300V; 180°C; double insulated SIL/0100 300V; 0,75mm²; 180°C	VDE
<i>LED Module</i>	A*	THORN	LEM R12	ÖVE
	A*	THORN	max. 1050mA, RG2, tc=105°C LEM H18 max. 1050mA, RG2, tc=105°C	ÖVE
<i>Terminals</i>	A	Wago	224-112	VDE
	A	Electro Terminal	400V; 24A; T105 SLK/3 450V, 24A, T85	ENEC 11
<i>SPD</i>	B	Citel	MLPC2-230L-R	IMQ
<i>Cable Gland</i>	A	Bimed	BMOS-22 IP68, 100°C	VDE
<i>External wiring</i>	A	BizLink	H07RN-F 1,5mm²	HAR

A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057.
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.
D Alternative component.

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Typelist, thermal and electrical specification:

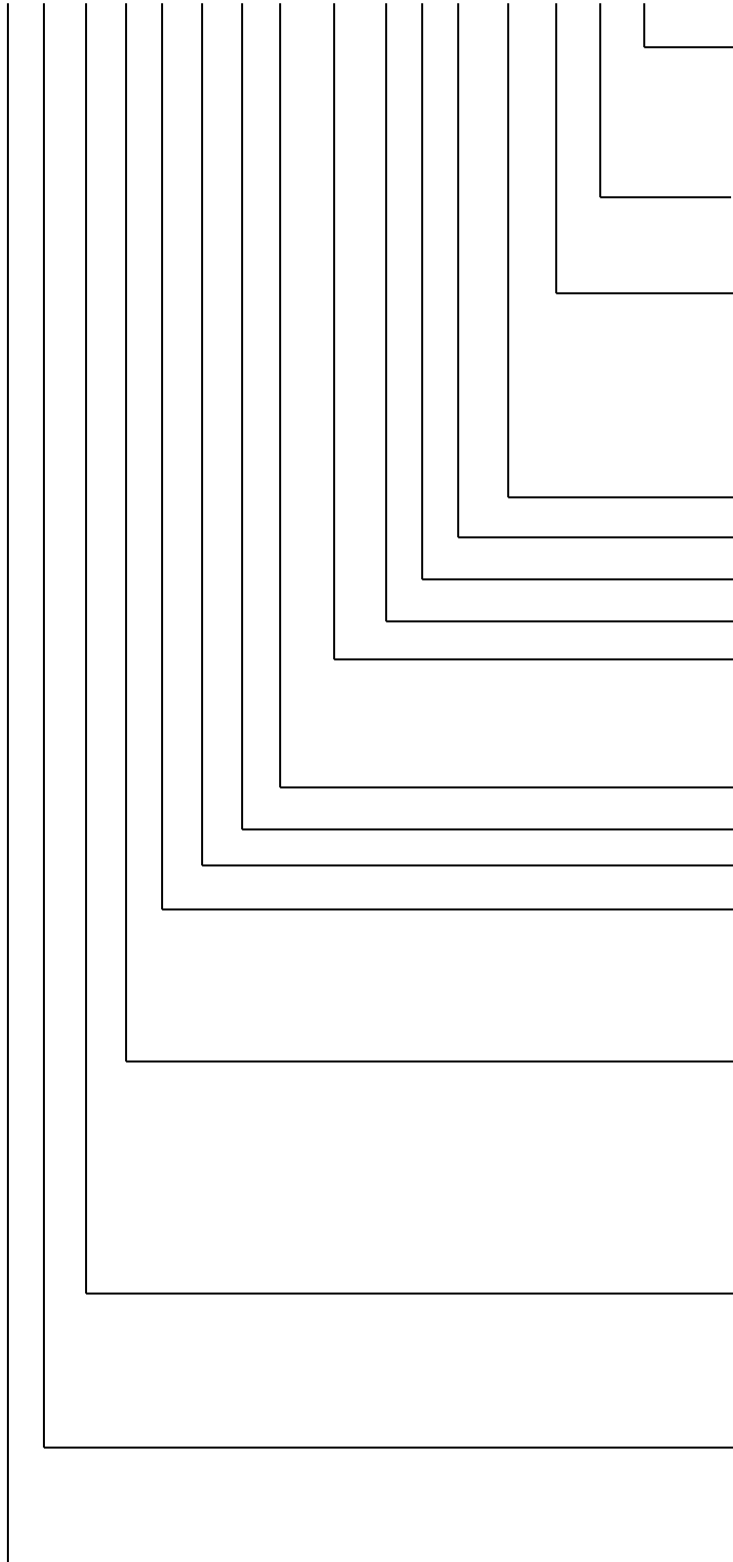
Model	Type	Built-in LED modules	No. of LEDs	Module current [mA]	Rated input power [W]	Rated ambient temp. (ta) [°C]
VOLUPTO	VO 12L35	1x LEM R12	12	350	14	25
	VO 12L50			500	19	
	VO 12L70			700	27	
	VO 12L105			1050	41	
	VO 18L35	1x LEM H18	18	350	20	25
	VO 18L50			500	28	
	VO 18L70			700	39	
	VO 18L105			1050	60	
	VO 24L35	2x LEM R12	24	350	26	25
	VO 24L50			500	37	
	VO 24L70			700	51	

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Typecode:

VO L **CL2**



- Colour**
- GY Light grey 150 sanded
- ANT Anthracite 900 sanded
- BK Black sanded
- Rxxxx RALxxxx
- Mounting**
- T60 Post-Top 60mm
- T76 Post-Top 76mm
- Wiring**
- D5 DACH, Pre-wired, 5m
- D6 DACH, Pre-wired, 6m
- D8 DACH, Pre-wired, 8m
- W5 Pre-wired, 5m
- W6 Pre-wired, 6m
- W8 Pre-wired, 8m
- CL2** Protection class II
- SP** with Surge Protective Device (optional)
- ZU** with Zhaga connector Up (optional)
- HFX** DALI dimmable (optional)
- Bi-Power light reduction** (optional)
- BPL Bi-Power Power Line
- LRT Light Reduction Twin Phases
- BPxx Bi-Power xh
- CLO** Constant Light Output (optional)
- LV** Internal louvre (optional)
- Optics**
- Enclosure**
- SF Semi Frosted
- CL Clear
- CL-D Clear with Diffuser
- U1 Ulor<1%
- Photometric code**
- 722 2200K, CRI 70 (only for types VO 18L)
- 727 2700K, CRI 70 (only for types VO 18L)
- 730 3000K, CRI 70
- 740 4000K, CRI 70
- 827 2700K, CRI 80 (only for types VO 18L)
- 830 3000K, CRI 80 (only for types VO 18L)
- 840 4000K, CRI 80 (only for types VO 18L)
- Current of LED module**
- 35 350mA
- 50 500mA
- 70 700mA
- 105 1050mA (types 12L and 18L only)
- Number of LEDs**
- 12L 12 LEDs
- 18L 18 LEDs
- 24L 24 LEDs
- Series VOLUPTO**

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Rated luminous flux and efficacy:

	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 18 x LED 350mA - RS Optic	SF	20	730	2607	130
	Volupto - 18 x LED 350mA - RS Optic	SF	20	740	2860	143
	Volupto - 18 x LED 350mA - RS Optic	SF	20	827	2135	107
	Volupto - 18 x LED 350mA - RS Optic	SF	20	830	2476	124
	Volupto - 18 x LED 350mA - RS Optic	SF	20	840	2561	128
	Volupto - 18 x LED 350mA - WST Optic	SF	20	730	2611	131
	Volupto - 18 x LED 350mA - WST Optic	SF	20	740	2863	143
	Volupto - 18 x LED 350mA - WST Optic	SF	20	827	2137	107
	Volupto - 18 x LED 350mA - WST Optic	SF	20	830	2479	124
	Volupto - 18 x LED 350mA - WST Optic	SF	20	840	2565	128
*	Volupto - 18 x LED 350mA - WST Optic	SF	20	722	2187	109
	Volupto - 18 x LED 500mA - RS Optic	SF	28	730	3596	128
	Volupto - 18 x LED 500mA - RS Optic	SF	28	740	3944	141
	Volupto - 18 x LED 500mA - RS Optic	SF	28	827	2938	105
	Volupto - 18 x LED 500mA - RS Optic	SF	28	830	3408	122
	Volupto - 18 x LED 500mA - RS Optic	SF	28	840	3525	126
	Volupto - 18 x LED 500mA - WST Optic	SF	28	730	3601	129
	Volupto - 18 x LED 500mA - WST Optic	SF	28	740	3949	141
	Volupto - 18 x LED 500mA - WST Optic	SF	28	827	2941	105
	Volupto - 18 x LED 500mA - WST Optic	SF	28	830	3412	122
	Volupto - 18 x LED 500mA - WST Optic	SF	28	840	3530	126
	Volupto - 18 x LED 700mA - RS Optic	SF	39	730	4839	124
	Volupto - 18 x LED 700mA - RS Optic	SF	39	740	5307	136
	Volupto - 18 x LED 700mA - RS Optic	SF	39	827	3942	101
	Volupto - 18 x LED 700mA - RS Optic	SF	39	830	4572	117
	Volupto - 18 x LED 700mA - RS Optic	SF	39	840	4730	121
	Volupto - 18 x LED 700mA - WST Optic	SF	39	730	4845	124
	Volupto - 18 x LED 700mA - WST Optic	SF	39	740	5314	136
	Volupto - 18 x LED 700mA - WST Optic	SF	39	827	3946	101
	Volupto - 18 x LED 700mA - WST Optic	SF	39	830	4578	117
	Volupto - 18 x LED 700mA - WST Optic	SF	39	840	4736	121
	Volupto - 18 x LED 1050mA - RS Optic	SF	60	730	6800	113
	Volupto - 18 x LED 1050mA - RS Optic	SF	60	740	7458	124
	Volupto - 18 x LED 1050mA - RS Optic	SF	60	827	5510	92
	Volupto - 18 x LED 1050mA - RS Optic	SF	60	830	6392	107
	Volupto - 18 x LED 1050mA - RS Optic	SF	60	840	6612	110
	Volupto - 18 x LED 1050mA - WST Optic	SF	60	730	6809	113
	Volupto - 18 x LED 1050mA - WST Optic	SF	60	740	7467	124
	Volupto - 18 x LED 1050mA - WST Optic	SF	60	827	5517	92
	Volupto - 18 x LED 1050mA - WST Optic	SF	60	830	6400	107
	Volupto - 18 x LED 1050mA - WST Optic	SF	60	840	6620	110
	Volupto - 18 x LED 350mA - RS Optic	CL	20	730	2866	143
	Volupto - 18 x LED 350mA - RS Optic	CL	20	740	3144	157
	Volupto - 18 x LED 350mA - RS Optic	CL	20	827	2347	117
	Volupto - 18 x LED 350mA - RS Optic	CL	20	830	2722	136
	Volupto - 18 x LED 350mA - RS Optic	CL	20	840	2816	141
	Volupto - 18 x LED 350mA - WST Optic	CL	20	730	2817	141
	Volupto - 18 x LED 350mA - WST Optic	CL	20	740	3090	155

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Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
		[W]	[K]	[lm]	[lm/W]
Volupto - 18 x LED 350mA - WST Optic	CL	20	827	2306	115
Volupto - 18 x LED 350mA - WST Optic	CL	20	830	2675	134
Volupto - 18 x LED 350mA - WST Optic	CL	20	840	2767	138
Volupto - 18 x LED 500mA - RS Optic	CL	28	730	3953	141
Volupto - 18 x LED 500mA - RS Optic	CL	28	740	4336	155
Volupto - 18 x LED 500mA - RS Optic	CL	28	827	3229	115
Volupto - 18 x LED 500mA - RS Optic	CL	28	830	3746	134
Volupto - 18 x LED 500mA - RS Optic	CL	28	840	3875	138
Volupto - 18 x LED 500mA - WST Optic	CL	28	730	3885	139
Volupto - 18 x LED 500mA - WST Optic	CL	28	740	4261	152
Volupto - 18 x LED 500mA - WST Optic	CL	28	827	3174	113
Volupto - 18 x LED 500mA - WST Optic	CL	28	830	3682	132
Volupto - 18 x LED 500mA - WST Optic	CL	28	840	3808	136
Volupto - 18 x LED 700mA - RS Optic	CL	39	730	5320	136
Volupto - 18 x LED 700mA - RS Optic	CL	39	740	5834	150
Volupto - 18 x LED 700mA - RS Optic	CL	39	827	4333	111
Volupto - 18 x LED 700mA - RS Optic	CL	39	830	5026	129
Volupto - 18 x LED 700mA - RS Optic	CL	39	840	5200	133
Volupto - 18 x LED 700mA - WST Optic	CL	39	730	5228	134
Volupto - 18 x LED 700mA - WST Optic	CL	39	740	5734	147
Volupto - 18 x LED 700mA - WST Optic	CL	39	827	4258	109
Volupto - 18 x LED 700mA - WST Optic	CL	39	830	4940	127
Volupto - 18 x LED 700mA - WST Optic	CL	39	840	5110	131
Volupto - 18 x LED 1050mA - RS Optic	CL	60	730	7476	125
Volupto - 18 x LED 1050mA - RS Optic	CL	60	740	8199	137
Volupto - 18 x LED 1050mA - RS Optic	CL	60	827	6057	101
Volupto - 18 x LED 1050mA - RS Optic	CL	60	830	7026	117
Volupto - 18 x LED 1050mA - RS Optic	CL	60	840	7269	121
Volupto - 18 x LED 1050mA - WST Optic	CL	60	730	7347	122
Volupto - 18 x LED 1050mA - WST Optic	CL	60	740	8058	134
Volupto - 18 x LED 1050mA - WST Optic	CL	60	827	5953	99
Volupto - 18 x LED 1050mA - WST Optic	CL	60	830	6905	115
Volupto - 18 x LED 1050mA - WST Optic	CL	60	840	7143	119
Volupto - 18 x LED 350mA - RS Optic	CL-D	20	730	2655	133
Volupto - 18 x LED 350mA - RS Optic	CL-D	20	740	2912	146
Volupto - 18 x LED 350mA - RS Optic	CL-D	20	827	2174	109
Volupto - 18 x LED 350mA - RS Optic	CL-D	20	830	2522	126
Volupto - 18 x LED 350mA - RS Optic	CL-D	20	840	2609	130
Volupto - 18 x LED 350mA - WST Optic	CL-D	20	730	2661	133
Volupto - 18 x LED 350mA - WST Optic	CL-D	20	740	2919	146
Volupto - 18 x LED 350mA - WST Optic	CL-D	20	827	2178	109
Volupto - 18 x LED 350mA - WST Optic	CL-D	20	830	2527	126
Volupto - 18 x LED 350mA - WST Optic	CL-D	20	840	2614	131
Volupto - 18 x LED 500mA - RS Optic	CL-D	28	730	3662	131
Volupto - 18 x LED 500mA - RS Optic	CL-D	28	740	4017	143
Volupto - 18 x LED 500mA - RS Optic	CL-D	28	827	2992	107
Volupto - 18 x LED 500mA - RS Optic	CL-D	28	830	3470	124
Volupto - 18 x LED 500mA - RS Optic	CL-D	28	840	3590	128
Volupto - 18 x LED 500mA - WST Optic	CL-D	28	730	3670	131

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			[W]	[K]	[lm]	[lm/W]
	Volupto - 18 x LED 500mA - WST Optic	CL-D	28	740	4025	144
	Volupto - 18 x LED 500mA - WST Optic	CL-D	28	827	2998	107
	Volupto - 18 x LED 500mA - WST Optic	CL-D	28	830	3478	124
	Volupto - 18 x LED 500mA - WST Optic	CL-D	28	840	3598	129
	Volupto - 18 x LED 700mA - RS Optic	CL-D	39	730	4928	126
	Volupto - 18 x LED 700mA - RS Optic	CL-D	39	740	5405	139
	Volupto - 18 x LED 700mA - RS Optic	CL-D	39	827	4014	103
	Volupto - 18 x LED 700mA - RS Optic	CL-D	39	830	4656	119
	Volupto - 18 x LED 700mA - RS Optic	CL-D	39	840	4817	124
	Volupto - 18 x LED 700mA - WST Optic	CL-D	39	730	4939	127
	Volupto - 18 x LED 700mA - WST Optic	CL-D	39	740	5417	139
	Volupto - 18 x LED 700mA - WST Optic	CL-D	39	827	4023	103
	Volupto - 18 x LED 700mA - WST Optic	CL-D	39	830	4666	120
	Volupto - 18 x LED 700mA - WST Optic	CL-D	39	840	4827	124
	Volupto - 18 x LED 1050mA - RS Optic	CL-D	60	730	6925	115
*	Volupto - 18 x LED 1050mA - RS Optic	CL-D	60	740	7596	126
	Volupto - 18 x LED 1050mA - RS Optic	CL-D	60	827	5611	94
	Volupto - 18 x LED 1050mA - RS Optic	CL-D	60	830	6509	108
	Volupto - 18 x LED 1050mA - RS Optic	CL-D	60	840	6734	112
	Volupto - 18 x LED 1050mA - WST Optic	CL-D	60	730	6940	116
	Volupto - 18 x LED 1050mA - WST Optic	CL-D	60	740	7612	127
	Volupto - 18 x LED 1050mA - WST Optic	CL-D	60	827	5623	94
	Volupto - 18 x LED 1050mA - WST Optic	CL-D	60	830	6523	109
	Volupto - 18 x LED 1050mA - WST Optic	CL-D	60	840	6748	112
	Volupto - 18 x LED 350mA - CST Optic	CL+U1	20	730	2532	127
	Volupto - 18 x LED 350mA - CST Optic	CL+U1	20	740	2777	139
	Volupto - 18 x LED 350mA - CST Optic	CL+U1	20	827	2073	104
	Volupto - 18 x LED 350mA - CST Optic	CL+U1	20	830	2405	120
	Volupto - 18 x LED 350mA - CST Optic	CL+U1	20	840	2488	124
	Volupto - 18 x LED 350mA - RSC Optic	CL+U1	20	730	2712	136
	Volupto - 18 x LED 350mA - RSC Optic	CL+U1	20	740	2974	149
	Volupto - 18 x LED 350mA - RSC Optic	CL+U1	20	827	2220	111
	Volupto - 18 x LED 350mA - RSC Optic	CL+U1	20	830	2575	129
	Volupto - 18 x LED 350mA - RSC Optic	CL+U1	20	840	2664	133
	Volupto - 18 x LED 500mA - CST Optic	CL+U1	28	730	3492	125
	Volupto - 18 x LED 500mA - CST Optic	CL+U1	28	740	3830	137
	Volupto - 18 x LED 500mA - CST Optic	CL+U1	28	827	2853	102
	Volupto - 18 x LED 500mA - CST Optic	CL+U1	28	830	3309	118
	Volupto - 18 x LED 500mA - CST Optic	CL+U1	28	840	3424	122
	Volupto - 18 x LED 500mA - RSC Optic	CL+U1	28	730	3740	134
	Volupto - 18 x LED 500mA - RSC Optic	CL+U1	28	740	4102	147
	Volupto - 18 x LED 500mA - RSC Optic	CL+U1	28	827	3055	109
	Volupto - 18 x LED 500mA - RSC Optic	CL+U1	28	830	3544	127
	Volupto - 18 x LED 500mA - RSC Optic	CL+U1	28	840	3666	131
	Volupto - 18 x LED 700mA - CST Optic	CL+U1	39	730	4700	121
	Volupto - 18 x LED 700mA - CST Optic	CL+U1	39	740	5154	132
	Volupto - 18 x LED 700mA - CST Optic	CL+U1	39	827	3828	98
	Volupto - 18 x LED 700mA - CST Optic	CL+U1	39	830	4440	114
*	Volupto - 18 x LED 700mA - CST Optic	CL+U1	39	840	4594	117

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	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 18 x LED 700mA - RSC Optic	CL+U1	39	730	5033	129
	Volupto - 18 x LED 700mA - RSC Optic	CL+U1	39	740	5520	142
	Volupto - 18 x LED 700mA - RSC Optic	CL+U1	39	827	4099	105
	Volupto - 18 x LED 700mA - RSC Optic	CL+U1	39	830	4755	122
	Volupto - 18 x LED 700mA - RSC Optic	CL+U1	39	840	4919	126
	Volupto - 18 x LED 1050mA - CST Optic	CL+U1	60	730	6604	110
	Volupto - 18 x LED 1050mA - CST Optic	CL+U1	60	740	7243	121
	Volupto - 18 x LED 1050mA - CST Optic	CL+U1	60	827	5351	89
	Volupto - 18 x LED 1050mA - CST Optic	CL+U1	60	830	6207	103
	Volupto - 18 x LED 1050mA - CST Optic	CL+U1	60	840	6421	107
	Volupto - 18 x LED 1050mA - RSC Optic	CL+U1	60	730	7072	118
	Volupto - 18 x LED 1050mA - RSC Optic	CL+U1	60	740	7757	129
	Volupto - 18 x LED 1050mA - RSC Optic	CL+U1	60	827	5730	96
	Volupto - 18 x LED 1050mA - RSC Optic	CL+U1	60	830	6647	111
	Volupto - 18 x LED 1050mA - RSC Optic	CL+U1	60	840	6876	115
	Volupto - 12 x LED 350mA - ES Optic	SF	14	730	1792	128
	Volupto - 12 x LED 350mA - ES Optic	SF	14	740	1959	140
	Volupto - 12 x LED 350mA - EWR Optic	SF	14	730	1835	131
	Volupto - 12 x LED 350mA - EWR Optic	SF	14	740	2007	143
*	Volupto - 12 x LED 350mA - NR Optic	SF	14	730	1807	129
	Volupto - 12 x LED 350mA - NR Optic	SF	14	740	1976	141
	Volupto - 12 x LED 350mA - NRLvb Optic	SF	14	730	1634	117
	Volupto - 12 x LED 350mA - NRLvb Optic	SF	14	740	1787	128
	Volupto - 12 x LED 350mA - WSC Optic	SF	14	730	1808	129
	Volupto - 12 x LED 350mA - WSC Optic	SF	14	740	1977	141
	Volupto - 12 x LED 350mA - WSCLvb Optic	SF	14	730	1696	121
	Volupto - 12 x LED 350mA - WSCLvb Optic	SF	14	740	1855	133
	Volupto - 12 x LED 500mA - ES Optic	SF	19	730	2473	130
	Volupto - 12 x LED 500mA - ES Optic	SF	19	740	2704	142
	Volupto - 12 x LED 500mA - EWR Optic	SF	19	730	2533	133
	Volupto - 12 x LED 500mA - EWR Optic	SF	19	740	2770	146
	Volupto - 12 x LED 500mA - NR Optic	SF	19	730	2494	131
	Volupto - 12 x LED 500mA - NR Optic	SF	19	740	2728	144
	Volupto - 12 x LED 500mA - NRLvb Optic	SF	19	730	2255	119
	Volupto - 12 x LED 500mA - NRLvb Optic	SF	19	740	2467	130
	Volupto - 12 x LED 500mA - WSC Optic	SF	19	730	2495	131
	Volupto - 12 x LED 500mA - WSC Optic	SF	19	740	2729	144
	Volupto - 12 x LED 500mA - WSCLvb Optic	SF	19	730	2341	123
	Volupto - 12 x LED 500mA - WSCLvb Optic	SF	19	740	2560	135
	Volupto - 12 x LED 700mA - ES Optic	SF	27	730	3331	123
	Volupto - 12 x LED 700mA - ES Optic	SF	27	740	3644	135
	Volupto - 12 x LED 700mA - EWR Optic	SF	27	730	3412	126
	Volupto - 12 x LED 700mA - EWR Optic	SF	27	740	3732	138
	Volupto - 12 x LED 700mA - NR Optic	SF	27	730	3360	124
	Volupto - 12 x LED 700mA - NR Optic	SF	27	740	3675	136
	Volupto - 12 x LED 700mA - NRLvb Optic	SF	27	730	3039	113
	Volupto - 12 x LED 700mA - NRLvb Optic	SF	27	740	3324	123
	Volupto - 12 x LED 700mA - WSC Optic	SF	27	730	3361	124
	Volupto - 12 x LED 700mA - WSC Optic	SF	27	740	3676	136

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	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 12 x LED 700mA - WSCLvb Optic	SF	27	730	3153	117
	Volupto - 12 x LED 700mA - WSCLvb Optic	SF	27	740	3449	128
	Volupto - 12 x LED 1050mA - ES Optic	SF	41	730	4695	115
	Volupto - 12 x LED 1050mA - ES Optic	SF	41	740	5135	125
	Volupto - 12 x LED 1050mA - EWR Optic	SF	41	730	4808	117
	Volupto - 12 x LED 1050mA - EWR Optic	SF	41	740	5259	128
	Volupto - 12 x LED 1050mA - NR Optic	SF	41	730	4735	115
	Volupto - 12 x LED 1050mA - NR Optic	SF	41	740	5179	126
	Volupto - 12 x LED 1050mA - NRLvb Optic	SF	41	730	4282	104
	Volupto - 12 x LED 1050mA - NRLvb Optic	SF	41	740	4684	114
	Volupto - 12 x LED 1050mA - WSC Optic	SF	41	730	4737	116
	Volupto - 12 x LED 1050mA - WSC Optic	SF	41	740	5181	126
	Volupto - 12 x LED 1050mA - WSCLvb Opt.	SF	41	730	4444	108
*	Volupto - 12 x LED 1050mA - WSCLvb Opt.	SF	41	740	4860	119
	Volupto - 24 x LED 350mA - ES Optic	SF	26	730	3565	137
	Volupto - 24 x LED 350mA - ES Optic	SF	26	740	3900	150
	Volupto - 24 x LED 350mA - EWR Optic	SF	26	730	3652	140
	Volupto - 24 x LED 350mA - EWR Optic	SF	26	740	3994	154
	Volupto - 24 x LED 350mA - NR Optic	SF	26	730	3596	138
	Volupto - 24 x LED 350mA - NR Optic	SF	26	740	3934	151
	Volupto - 24 x LED 350mA - NRLvb Optic	SF	26	730	3252	125
	Volupto - 24 x LED 350mA - NRLvb Optic	SF	26	740	3557	137
	Volupto - 24 x LED 350mA - WSC Optic	SF	26	730	3598	138
	Volupto - 24 x LED 350mA - WSC Optic	SF	26	740	3935	151
	Volupto - 24 x LED 350mA - WSCLvb Optic	SF	26	730	3375	130
	Volupto - 24 x LED 350mA - WSCLvb Optic	SF	26	740	3691	142
	Volupto - 24 x LED 500mA - ES Optic	SF	37	730	4904	133
	Volupto - 24 x LED 500mA - ES Optic	SF	37	740	5364	145
	Volupto - 24 x LED 500mA - EWR Optic	SF	37	730	5023	136
	Volupto - 24 x LED 500mA - EWR Optic	SF	37	740	5494	148
	Volupto - 24 x LED 500mA - NR Optic	SF	37	730	4947	134
	Volupto - 24 x LED 500mA - NR Optic	SF	37	740	5411	146
	Volupto - 24 x LED 500mA - NRLvb Optic	SF	37	730	4474	121
	Volupto - 24 x LED 500mA - NRLvb Optic	SF	37	740	4893	132
	Volupto - 24 x LED 500mA - WSC Optic	SF	37	730	4948	134
	Volupto - 24 x LED 500mA - WSC Optic	SF	37	740	5412	146
	Volupto - 24 x LED 500mA - WSCLvb Optic	SF	37	730	4642	125
	Volupto - 24 x LED 500mA - WSCLvb Optic	SF	37	740	5078	137
	Volupto - 24 x LED 700mA - ES Optic	SF	51	730	6570	129
	Volupto - 24 x LED 700mA - ES Optic	SF	51	740	7186	141
	Volupto - 24 x LED 700mA - EWR Optic	SF	51	730	6729	132
	Volupto - 24 x LED 700mA - EWR Optic	SF	51	740	7360	144
	Volupto - 24 x LED 700mA - NR Optic	SF	51	730	6627	130
	Volupto - 24 x LED 700mA - NR Optic	SF	51	740	7248	142
	Volupto - 24 x LED 700mA - NRLvb Optic	SF	51	730	5993	118
	Volupto - 24 x LED 700mA - NRLvb Optic	SF	51	740	6554	129
	Volupto - 24 x LED 700mA - WSC Optic	SF	51	730	6629	130
	Volupto - 24 x LED 700mA - WSC Optic	SF	51	740	7250	142
	Volupto - 24 x LED 700mA - WSCLvb Optic	SF	51	730	6219	122

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Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
		[W]	[K]	[lm]	[lm/W]
Volupto - 24 x LED 700mA - WSCLvb Optic	SF	51	740	6802	133
Volupto - 12 x LED 350mA - ENR Optic	CL	14	730	1965	140
Volupto - 12 x LED 350mA - ENR Optic	CL	14	740	2150	154
Volupto - 12 x LED 350mA - ES Optic	CL	14	730	1966	140
Volupto - 12 x LED 350mA - ES Optic	CL	14	740	2150	154
Volupto - 12 x LED 350mA - EWR Optic	CL	14	730	2020	144
Volupto - 12 x LED 350mA - EWR Optic	CL	14	740	2209	158
Volupto - 12 x LED 350mA - NR Optic	CL	14	730	1979	141
Volupto - 12 x LED 350mA - NR Optic	CL	14	740	2164	155
Volupto - 12 x LED 350mA - NRLv Optic	CL	14	730	1843	132
Volupto - 12 x LED 350mA - NRLv Optic	CL	14	740	2016	144
Volupto - 12 x LED 350mA - WS Optic	CL	14	730	1984	142
Volupto - 12 x LED 350mA - WS Optic	CL	14	740	2170	155
Volupto - 12 x LED 350mA - WSC Optic	CL	14	730	1982	142
Volupto - 12 x LED 350mA - WSC Optic	CL	14	740	2168	155
Volupto - 12 x LED 350mA - WSCLv Optic	CL	14	730	1853	132
Volupto - 12 x LED 350mA - WSCLv Optic	CL	14	740	2026	145
Volupto - 12 x LED 500mA - ENR Optic	CL	19	730	2712	143
Volupto - 12 x LED 500mA - ENR Optic	CL	19	740	2967	156
Volupto - 12 x LED 500mA - ES Optic	CL	19	730	2713	143
Volupto - 12 x LED 500mA - ES Optic	CL	19	740	2968	156
Volupto - 12 x LED 500mA - EWR Optic	CL	19	730	2788	147
Volupto - 12 x LED 500mA - EWR Optic	CL	19	740	3049	160
Volupto - 12 x LED 500mA - NR Optic	CL	19	730	2731	144
Volupto - 12 x LED 500mA - NR Optic	CL	19	740	2987	157
Volupto - 12 x LED 500mA - NRLv Optic	CL	19	730	2544	134
Volupto - 12 x LED 500mA - NRLv Optic	CL	19	740	2783	146
Volupto - 12 x LED 500mA - WS Optic	CL	19	730	2739	144
Volupto - 12 x LED 500mA - WS Optic	CL	19	740	2995	158
Volupto - 12 x LED 500mA - WSC Optic	CL	19	730	2735	144
Volupto - 12 x LED 500mA - WSC Optic	CL	19	740	2992	157
Volupto - 12 x LED 500mA - WSCLv Optic	CL	19	730	2557	135
Volupto - 12 x LED 500mA - WSCLv Optic	CL	19	740	2797	147
Volupto - 12 x LED 700mA - ENR Optic	CL	27	730	3654	135
Volupto - 12 x LED 700mA - ENR Optic	CL	27	740	3997	148
Volupto - 12 x LED 700mA - ES Optic	CL	27	730	3655	135
Volupto - 12 x LED 700mA - ES Optic	CL	27	740	3998	148
Volupto - 12 x LED 700mA - EWR Optic	CL	27	730	3756	139
Volupto - 12 x LED 700mA - EWR Optic	CL	27	740	4108	152
Volupto - 12 x LED 700mA - NR Optic	CL	27	730	3679	136
Volupto - 12 x LED 700mA - NR Optic	CL	27	740	4024	149
Volupto - 12 x LED 700mA - NRLv Optic	CL	27	730	3428	127
Volupto - 12 x LED 700mA - NRLv Optic	CL	27	740	3749	139
Volupto - 12 x LED 700mA - WS Optic	CL	27	730	3690	137
Volupto - 12 x LED 700mA - WS Optic	CL	27	740	4036	149
Volupto - 12 x LED 700mA - WSC Optic	CL	27	730	3685	136
Volupto - 12 x LED 700mA - WSC Optic	CL	27	740	4031	149
Volupto - 12 x LED 700mA - WSCLv Optic	CL	27	730	3445	128
Volupto - 12 x LED 700mA - WSCLv Optic	CL	27	740	3768	140

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	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 12 x LED 1050mA - ENR Optic	CL	41	730	5150	126
	Volupto - 12 x LED 1050mA - ENR Optic	CL	41	740	5633	137
	Volupto - 12 x LED 1050mA - ES Optic	CL	41	730	5151	126
	Volupto - 12 x LED 1050mA - ES Optic	CL	41	740	5634	137
	Volupto - 12 x LED 1050mA - EWR Optic	CL	41	730	5293	129
	Volupto - 12 x LED 1050mA - EWR Optic	CL	41	740	5789	141
	Volupto - 12 x LED 1050mA - NR Optic	CL	41	730	5185	126
	Volupto - 12 x LED 1050mA - NR Optic	CL	41	740	5671	138
	Volupto - 12 x LED 1050mA - NRLv Optic	CL	41	730	4830	118
	Volupto - 12 x LED 1050mA - NRLv Optic	CL	41	740	5283	129
	Volupto - 12 x LED 1050mA - WS Optic	CL	41	730	5200	127
	Volupto - 12 x LED 1050mA - WS Optic	CL	41	740	5687	139
	Volupto - 12 x LED 1050mA - WSC Optic	CL	41	730	5193	127
	Volupto - 12 x LED 1050mA - WSC Optic	CL	41	740	5680	139
	Volupto - 12 x LED 1050mA - WSCLv Optic	CL	41	730	4855	118
	Volupto - 12 x LED 1050mA - WSCLv Optic	CL	41	740	5310	130
	Volupto - 24 x LED 350mA - ENR Optic	CL	26	730	3911	150
	Volupto - 24 x LED 350mA - ENR Optic	CL	26	740	4278	165
	Volupto - 24 x LED 350mA - ES Optic	CL	26	730	3912	150
	Volupto - 24 x LED 350mA - ES Optic	CL	26	740	4279	165
	Volupto - 24 x LED 350mA - EWR Optic	CL	26	730	4020	155
	Volupto - 24 x LED 350mA - EWR Optic	CL	26	740	4397	169
	Volupto - 24 x LED 350mA - NR Optic	CL	26	730	3938	151
	Volupto - 24 x LED 350mA - NR Optic	CL	26	740	4307	166
	Volupto - 24 x LED 350mA - NRLv Optic	CL	26	730	3668	141
	Volupto - 24 x LED 350mA - NRLv Optic	CL	26	740	4012	154
	Volupto - 24 x LED 350mA - WS Optic	CL	26	730	3949	152
	Volupto - 24 x LED 350mA - WS Optic	CL	26	740	4319	166
	Volupto - 24 x LED 350mA - WSC Optic	CL	26	730	3944	152
	Volupto - 24 x LED 350mA - WSC Optic	CL	26	740	4314	166
	Volupto - 24 x LED 350mA - WSCLv Optic	CL	26	730	3687	142
	Volupto - 24 x LED 350mA - WSCLv Optic	CL	26	740	4033	155
	Volupto - 24 x LED 500mA - ENR Optic	CL	37	730	5380	145
	Volupto - 24 x LED 500mA - ENR Optic	CL	37	740	5885	159
	Volupto - 24 x LED 500mA - ES Optic	CL	37	730	5381	145
	Volupto - 24 x LED 500mA - ES Optic	CL	37	740	5886	159
	Volupto - 24 x LED 500mA - EWR Optic	CL	37	730	5529	149
	Volupto - 24 x LED 500mA - EWR Optic	CL	37	740	6048	163
	Volupto - 24 x LED 500mA - NR Optic	CL	37	730	5417	146
	Volupto - 24 x LED 500mA - NR Optic	CL	37	740	5925	160
	Volupto - 24 x LED 500mA - NRLv Optic	CL	37	730	5046	136
	Volupto - 24 x LED 500mA - NRLv Optic	CL	37	740	5519	149
*	Volupto - 24 x LED 500mA - WS Optic	CL	37	730	5432	147
	Volupto - 24 x LED 500mA - WS Optic	CL	37	740	5941	161
	Volupto - 24 x LED 500mA - WSC Optic	CL	37	730	5425	147
	Volupto - 24 x LED 500mA - WSC Optic	CL	37	740	5934	160
	Volupto - 24 x LED 500mA - WSCLv Optic	CL	37	730	5071	137
	Volupto - 24 x LED 500mA - WSCLv Optic	CL	37	740	5547	150
	Volupto - 24 x LED 700mA - ENR Optic	CL	51	730	7207	141

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	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 24 x LED 700mA - ENR Optic	CL	51	740	7882	155
	Volupto - 24 x LED 700mA - ES Optic	CL	51	730	7209	141
	Volupto - 24 x LED 700mA - ES Optic	CL	51	740	7884	155
	Volupto - 24 x LED 700mA - EWR Optic	CL	51	730	7407	145
	Volupto - 24 x LED 700mA - EWR Optic	CL	51	740	8101	159
	Volupto - 24 x LED 700mA - NR Optic	CL	51	730	7256	142
	Volupto - 24 x LED 700mA - NR Optic	CL	51	740	7936	156
	Volupto - 24 x LED 700mA - NRLv Optic	CL	51	730	6759	133
	Volupto - 24 x LED 700mA - NRLv Optic	CL	51	740	7393	145
	Volupto - 24 x LED 700mA - WS Optic	CL	51	730	7277	143
	Volupto - 24 x LED 700mA - WS Optic	CL	51	740	7959	156
	Volupto - 24 x LED 700mA - WSC Optic	CL	51	730	7267	142
	Volupto - 24 x LED 700mA - WSC Optic	CL	51	740	7948	156
	Volupto - 24 x LED 700mA - WSCLv Optic	CL	51	730	6793	133
	Volupto - 24 x LED 700mA - WSCLv Optic	CL	51	740	7430	146
	Volupto - 12 x LED 350mA - ENR Optic	CL-D	14	730	1859	133
	Volupto - 12 x LED 350mA - ENR Optic	CL-D	14	740	2033	145
	Volupto - 12 x LED 350mA - ES Optic	CL-D	14	730	1852	132
	Volupto - 12 x LED 350mA - ES Optic	CL-D	14	740	2026	145
	Volupto - 12 x LED 350mA - EWR Optic	CL-D	14	730	1896	135
	Volupto - 12 x LED 350mA - EWR Optic	CL-D	14	740	2074	148
	Volupto - 12 x LED 350mA - NR Optic	CL-D	14	730	1871	134
	Volupto - 12 x LED 350mA - NR Optic	CL-D	14	740	2046	146
	Volupto - 12 x LED 350mA - NRLv Optic	CL-D	14	730	1747	125
	Volupto - 12 x LED 350mA - NRLv Optic	CL-D	14	740	1911	137
	Volupto - 12 x LED 350mA - WS Optic	CL-D	14	730	1868	133
	Volupto - 12 x LED 350mA - WS Optic	CL-D	14	740	2043	146
	Volupto - 12 x LED 350mA - WSC Optic	CL-D	14	730	1862	133
	Volupto - 12 x LED 350mA - WSC Optic	CL-D	14	740	2037	146
	Volupto - 12 x LED 350mA - WSCLv Optic	CL-D	14	730	1745	125
*	Volupto - 12 x LED 350mA - WSCLv Optic	CL-D	14	740	1909	136
	Volupto - 12 x LED 500mA - ENR Optic	CL-D	19	730	2565	135
	Volupto - 12 x LED 500mA - ENR Optic	CL-D	19	740	2806	148
	Volupto - 12 x LED 500mA - ES Optic	CL-D	19	730	2556	135
	Volupto - 12 x LED 500mA - ES Optic	CL-D	19	740	2796	147
	Volupto - 12 x LED 500mA - EWR Optic	CL-D	19	730	2617	138
	Volupto - 12 x LED 500mA - EWR Optic	CL-D	19	740	2862	151
	Volupto - 12 x LED 500mA - NR Optic	CL-D	19	730	2582	136
	Volupto - 12 x LED 500mA - NR Optic	CL-D	19	740	2824	149
	Volupto - 12 x LED 500mA - NRLv Optic	CL-D	19	730	2412	127
	Volupto - 12 x LED 500mA - NRLv Optic	CL-D	19	740	2638	139
	Volupto - 12 x LED 500mA - WS Optic	CL-D	19	730	2578	136
	Volupto - 12 x LED 500mA - WS Optic	CL-D	19	740	2819	148
	Volupto - 12 x LED 500mA - WSC Optic	CL-D	19	730	2570	135
	Volupto - 12 x LED 500mA - WSC Optic	CL-D	19	740	2811	148
	Volupto - 12 x LED 500mA - WSCLv Optic	CL-D	19	730	2409	127
	Volupto - 12 x LED 500mA - WSCLv Optic	CL-D	19	740	2635	139
	Volupto - 12 x LED 700mA - ENR Optic	CL-D	27	730	3456	128
	Volupto - 12 x LED 700mA - ENR Optic	CL-D	27	740	3780	140

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	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 12 x LED 700mA - ES Optic	CL-D	27	730	3444	128
	Volupto - 12 x LED 700mA - ES Optic	CL-D	27	740	3767	140
	Volupto - 12 x LED 700mA - EWR Optic	CL-D	27	730	3525	131
	Volupto - 12 x LED 700mA - EWR Optic	CL-D	27	740	3856	143
	Volupto - 12 x LED 700mA - NR Optic	CL-D	27	730	3478	129
	Volupto - 12 x LED 700mA - NR Optic	CL-D	27	740	3805	141
	Volupto - 12 x LED 700mA - NRLv Optic	CL-D	27	730	3249	120
	Volupto - 12 x LED 700mA - NRLv Optic	CL-D	27	740	3554	132
	Volupto - 12 x LED 700mA - WS Optic	CL-D	27	730	3473	129
	Volupto - 12 x LED 700mA - WS Optic	CL-D	27	740	3798	141
	Volupto - 12 x LED 700mA - WSC Optic	CL-D	27	730	3463	128
	Volupto - 12 x LED 700mA - WSC Optic	CL-D	27	740	3788	140
	Volupto - 12 x LED 700mA - WSCLv Optic	CL-D	27	730	3246	120
	Volupto - 12 x LED 700mA - WSCLv Optic	CL-D	27	740	3550	131
	Volupto - 12 x LED 1050mA - ENR Optic	CL-D	41	730	4871	119
	Volupto - 12 x LED 1050mA - ENR Optic	CL-D	41	740	5327	130
	Volupto - 12 x LED 1050mA - ES Optic	CL-D	41	730	4853	118
	Volupto - 12 x LED 1050mA - ES Optic	CL-D	41	740	5308	129
	Volupto - 12 x LED 1050mA - EWR Optic	CL-D	41	730	4968	121
	Volupto - 12 x LED 1050mA - EWR Optic	CL-D	41	740	5434	133
	Volupto - 12 x LED 1050mA - NR Optic	CL-D	41	730	4902	120
	Volupto - 12 x LED 1050mA - NR Optic	CL-D	41	740	5362	131
*	Volupto - 12 x LED 1050mA - NRLv Optic	CL-D	41	730	4579	112
	Volupto - 12 x LED 1050mA - NRLv Optic	CL-D	41	740	5009	122
	Volupto - 12 x LED 1050mA - WS Optic	CL-D	41	730	4894	119
	Volupto - 12 x LED 1050mA - WS Optic	CL-D	41	740	5353	131
	Volupto - 12 x LED 1050mA - WSC Optic	CL-D	41	730	4880	119
	Volupto - 12 x LED 1050mA - WSC Optic	CL-D	41	740	5338	130
	Volupto - 12 x LED 1050mA - WSCLv Optic	CL-D	41	730	4574	112
	Volupto - 12 x LED 1050mA - WSCLv Optic	CL-D	41	740	5003	122
	Volupto - 24 x LED 350mA - ENR Optic	CL-D	26	730	3699	142
	Volupto - 24 x LED 350mA - ENR Optic	CL-D	26	740	4046	156
	Volupto - 24 x LED 350mA - ES Optic	CL-D	26	730	3686	142
	Volupto - 24 x LED 350mA - ES Optic	CL-D	26	740	4032	155
	Volupto - 24 x LED 350mA - EWR Optic	CL-D	26	730	3773	145
	Volupto - 24 x LED 350mA - EWR Optic	CL-D	26	740	4127	159
	Volupto - 24 x LED 350mA - NR Optic	CL-D	26	730	3723	143
	Volupto - 24 x LED 350mA - NR Optic	CL-D	26	740	4072	157
	Volupto - 24 x LED 350mA - NRLv Optic	CL-D	26	730	3478	134
	Volupto - 24 x LED 350mA - NRLv Optic	CL-D	26	740	3804	146
	Volupto - 24 x LED 350mA - WS Optic	CL-D	26	730	3717	143
	Volupto - 24 x LED 350mA - WS Optic	CL-D	26	740	4065	156
	Volupto - 24 x LED 350mA - WSC Optic	CL-D	26	730	3706	143
	Volupto - 24 x LED 350mA - WSC Optic	CL-D	26	740	4054	156
	Volupto - 24 x LED 350mA - WSCLv Optic	CL-D	26	730	3474	134
	Volupto - 24 x LED 350mA - WSCLv Optic	CL-D	26	740	3799	146
	Volupto - 24 x LED 500mA - ENR Optic	CL-D	37	730	5088	138
	Volupto - 24 x LED 500mA - ENR Optic	CL-D	37	740	5565	150
	Volupto - 24 x LED 500mA - ES Optic	CL-D	37	730	5070	137

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	Type description	Enclosure	Rated input power	Photometric code	Rated luminous flux	Rated efficacy
			[W]	[K]	[lm]	[lm/W]
	Volupto - 24 x LED 500mA - ES Optic	CL-D	37	740	5545	150
	Volupto - 24 x LED 500mA - EWR Optic	CL-D	37	730	5190	140
	Volupto - 24 x LED 500mA - EWR Optic	CL-D	37	740	5677	153
	Volupto - 24 x LED 500mA - NR Optic	CL-D	37	730	5121	138
	Volupto - 24 x LED 500mA - NR Optic	CL-D	37	740	5601	151
	Volupto - 24 x LED 500mA - NRLv Optic	CL-D	37	730	4784	129
	Volupto - 24 x LED 500mA - NRLv Optic	CL-D	37	740	5232	141
	Volupto - 24 x LED 500mA - WS Optic	CL-D	37	730	5113	138
	Volupto - 24 x LED 500mA - WS Optic	CL-D	37	740	5592	151
	Volupto - 24 x LED 500mA - WSC Optic	CL-D	37	730	5098	138
	Volupto - 24 x LED 500mA - WSC Optic	CL-D	37	740	5576	151
	Volupto - 24 x LED 500mA - WSCLv Optic	CL-D	37	730	4778	129
	Volupto - 24 x LED 500mA - WSCLv Optic	CL-D	37	740	5226	141
	Volupto - 24 x LED 700mA - ENR Optic	CL-D	51	730	6816	134
	Volupto - 24 x LED 700mA - ENR Optic	CL-D	51	740	7455	146
	Volupto - 24 x LED 700mA - ES Optic	CL-D	51	730	6792	133
	Volupto - 24 x LED 700mA - ES Optic	CL-D	51	740	7428	146
	Volupto - 24 x LED 700mA - EWR Optic	CL-D	51	730	6952	136
*	Volupto - 24 x LED 700mA - EWR Optic	CL-D	51	740	7604	149
	Volupto - 24 x LED 700mA - NR Optic	CL-D	51	730	6860	135
	Volupto - 24 x LED 700mA - NR Optic	CL-D	51	740	7503	147
	Volupto - 24 x LED 700mA - NRLv Optic	CL-D	51	730	6408	126
	Volupto - 24 x LED 700mA - NRLv Optic	CL-D	51	740	7009	137
	Volupto - 24 x LED 700mA - WS Optic	CL-D	51	730	6849	134
	Volupto - 24 x LED 700mA - WS Optic	CL-D	51	740	7491	147
	Volupto - 24 x LED 700mA - WSC Optic	CL-D	51	730	6829	134
	Volupto - 24 x LED 700mA - WSC Optic	CL-D	51	740	7470	146
	Volupto - 24 x LED 700mA - WSCLv Optic	CL-D	51	730	6401	126
	Volupto - 24 x LED 700mA - WSCLv Optic	CL-D	51	740	7001	137
	Volupto - 12 x LED 350mA - SC Optic	CL+U1	14	730	1786	128
	Volupto - 12 x LED 350mA - SC Optic	CL+U1	14	740	1953	140
	Volupto - 12 x LED 500mA - SC Optic	CL+U1	19	730	2464	130
	Volupto - 12 x LED 500mA - SC Optic	CL+U1	19	740	2695	142
	Volupto - 12 x LED 700mA - SC Optic	CL+U1	27	730	3320	123
	Volupto - 12 x LED 700mA - SC Optic	CL+U1	27	740	3631	134
	Volupto - 12 x LED 1050mA - SC Optic	CL+U1	41	730	4679	114
	Volupto - 12 x LED 1050mA - SC Optic	CL+U1	41	740	5118	125
	Volupto - 24 x LED 350mA - SC Optic	CL+U1	26	730	3554	137
	Volupto - 24 x LED 350mA - SC Optic	CL+U1	26	740	3887	150
	Volupto - 24 x LED 500mA - SC Optic	CL+U1	37	730	4888	132
	Volupto - 24 x LED 500mA - SC Optic	CL+U1	37	740	5346	144
	Volupto - 24 x LED 700mA - SC Optic	CL+U1	51	730	6548	128
	Volupto - 24 x LED 700mA - SC Optic	CL+U1	51	740	7162	140

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