OVEGA-Zoomable

TLO020-31 / TLO025-31 / TLO030-31

DESCRIPTION

OVEGA(EN-TLO series, Zoomable version) is a stylish and compact LED track light that will fit smoothly into any museum, gallery and retail environments. Featuring an adjustable beam mechanism designed to provide endless beam options from a 10° narrow to a 60° wide flood distribution. The head can be adjusted precisely 360°+ horizontal(rotation) and 90° vertical without dead angle. The light, as a result, is emitted exactly where you need it. The integrated driver gives clean feeling and the ceiling will not be cluttered with drivers aimed in different directions.

FEATURES

- Stylish and compact design with integrated driver.
- Excellent modular combination concept: integrated driver+ different fixture bases, DIY to get different light solutions and easy for maintenance.
- Beam angle adjustable mechanism provides endless beam options from a narrow to wide flood distribution by simply rotate the rubber ring.
- Light efficiency is up to 90lm/W.
- Patented joints can hold the track head at any positions without malfunctions.
- 360°+ rotation without dead angle and 90° vertical aiming.
- Use OVEGA family to get a unified impression in one environment.

ELECTRICAL

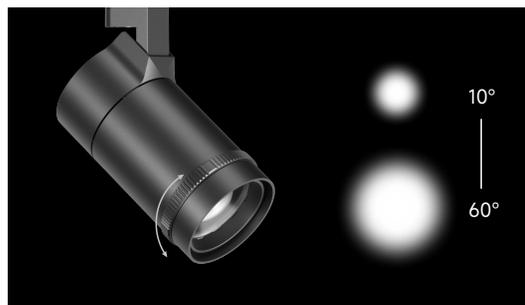|	
Power:	20W / 25W / 30W
Voltage:	220-240V / 100-277V AC
Frequency:	50/60Hz
Class:	II
Power Factor:	>0.90
Dimming:	On-off / 0/1-10V / DALI / TRIAC

OPTICAL

LED Type:	COB
Lumen Output:	1789lm(20W), 2107lm(25W),2463lm(30W)
Beam Optic:	10°-60°(20W/25W), 25°-60°
Color Quality:	CRI 80+/90+/95+, SDCM≤3
Color Temperature:	Static white: 2700K/3000K/3500K/4000K
TM30 values:	Rf: 99-105 Rg: 88-92
LM80:	ANSI/IES LM-80-15

LUMINAIRE

Location:	Indoor
Installation Methods:	Track-mounted / Surface-mounted / Pendant / Wall-mounted
IP Rating:	IP20
Adjustability:	0°-90° tiltable, 360°+ rotatable
Luminaire Color:	RAL9005 Black / RAL9016 White / Custom Finish*(Consult Factory)
Material:	Die-cast aluminum
Operating Temperature:	-20°C~40°C
Lifespan:	> 50000h@80%(L80)
Warranty:	5 years Carefree for Parts and Components (Laber not included) LED luminaire life reduction and warranty invalidation will occur if installed in environments above 40°C

DETAILS

ORDERING INFORMATION

TLO			+					
SERIES	**POWER**	**INSTALLATION**	**HOUSING COLOR**	**TRACK TYPE**	**CRI**	**CCT**	**OPTIC**	**DIMMING**
☐ TLO OVEGA	☐ 020 20W	☐ 31 Track	☐ W RAL9016 White	☐ J 2-pin Juno	☐ 8 80+	☐ 27 2700K	**20W-25W** ☐ 1T6 10°-60°	☐ V 0/1-10V
	☐ 025 25W	☐ 32 Surface	☐ B RAL9005 Black	☐ L 2-pin Lightolier	☐ 9 90+	☐ 30 3000K	**20W-30W** ☐ 2T6 25°-60°	☐ T Triac
	☐ 030 30W	☐ 33 Pendant	☐ C Custom Finish *(Consult Factory)	☐ H 3-pin Halo	☐ H 95+	☐ 35 3500K		☐ X 0-10V/Triac
		☐ 34 Wall		☐ G 4-pin Global		☐ 40 4000K		☐ D DALI
				☐ D 6-pin DALI				☐ N Non-dimming

ACCESSORIES (TO BE ORDERED SEPARATELY)
FOR INSTALLATION CONSULT THE INSTRUCTION SHEET

OPTICAL ACCESSORY

☐ **Honeycomb** TLO-AC11	☐ **Circular Small** TLO-AC24	☐ **Circular Big** TLO-AC25	☐ **Square** TLO-AC26	☐ **Rectangular** TLO-AC27	☐ **Wall Washing** TLO-AC28

PHOTOMETRIC DATA (NON-DIMMING)

LUMEN PACKAGE	POWER	CCT	10°			60°			25°			60°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
TLO020-31	20W	3000K	1090	52	22506	1366	65	1783	1628	88	8405	1789	97	1918
TLO025-31	25W	3000K	1232	47	25733	1484	57	1927	1920	85	9908	2107	93	2258

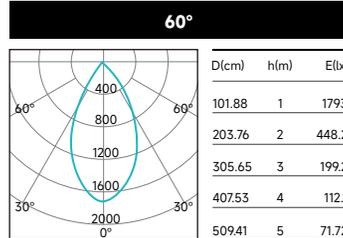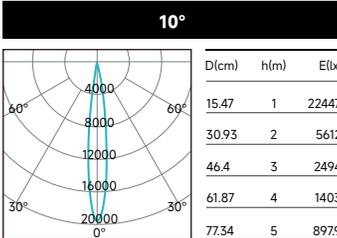| LUMEN PACKAGE	POWER	CCT	25°			60°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
TLO030-31	30W	3000K	2244	84	11612	2463	92	2638

LUMEN MULTIPLIERS

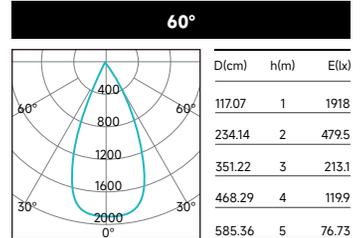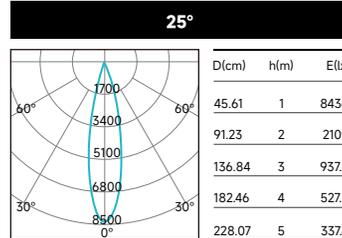| CCT	MULTIPLIER
2700K	0.93
3000K	1.00
3500K	1.07
4000K	1.15

Applying Lumen Multipliers to Calculate Deliveried Lumens

Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	=	Delivered Lumens for Desired Fixture
STANDARD TRIM Example: TLO020-31 20W 3500K				
1090 lm	x	1.07	=	1166 lm

LIGHT DISTRIBUTION

3000K 20W
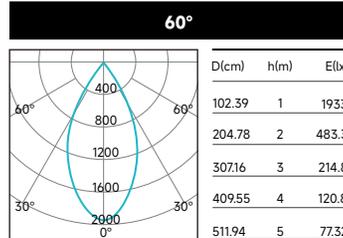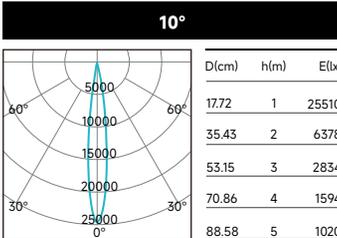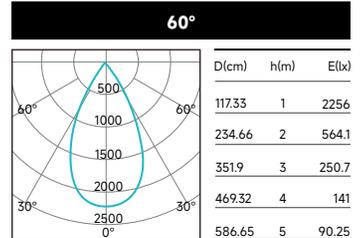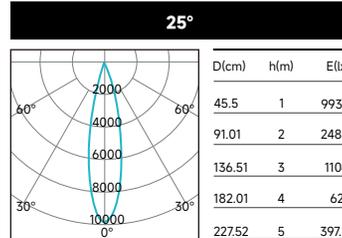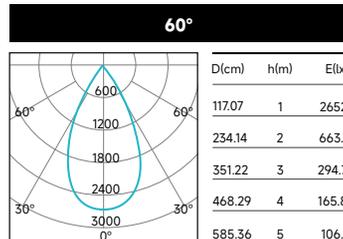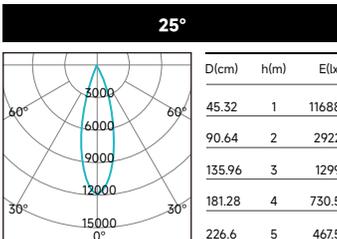
10°

D(cm)	h(m)	E(lx)
15.47	1	22447
30.93	2	5612
46.4	3	2494
61.87	4	1403
77.34	5	897.9

60°

D(cm)	h(m)	E(lx)
101.88	1	1793
203.76	2	448.2
305.65	3	199.2
407.53	4	112.1
509.41	5	71.72

3000K 20W

25°

D(cm)	h(m)	E(lx)
45.61	1	8436
91.23	2	2109
136.84	3	937.3
182.46	4	527.2
228.07	5	337.4

60°

D(cm)	h(m)	E(lx)
117.07	1	1918
234.14	2	479.5
351.22	3	213.1
468.29	4	119.9
585.36	5	76.73

3000K 25W

10°

D(cm)	h(m)	E(lx)
17.72	1	25510
35.43	2	6378
53.15	3	2834
70.86	4	1594
88.58	5	1020

60°

D(cm)	h(m)	E(lx)
102.39	1	1933
204.78	2	483.3
307.16	3	214.8
409.55	4	120.8
511.94	5	77.32

3000K 25W

25°

D(cm)	h(m)	E(lx)
45.5	1	9937
91.01	2	2484
136.51	3	1104
182.01	4	621
227.52	5	397.5

60°

D(cm)	h(m)	E(lx)
117.33	1	2256
234.66	2	564.1
351.9	3	250.7
469.32	4	141
586.65	5	90.25

3000K 30W

25°

D(cm)	h(m)	E(lx)
45.32	1	11688
90.64	2	2922
135.96	3	1299
181.28	4	730.5
226.6	5	467.5

60°

D(cm)	h(m)	E(lx)
117.07	1	2652
234.14	2	663.1
351.22	3	294.7
468.29	4	165.8
585.36	5	106.1

DIMENSION

TLO020-31
TLO025-31

Track-mounted

232mm
189mm
158mm
Φ84mm

TLO030-31

Track-mounted

232mm
189mm
158mm
Φ84mm
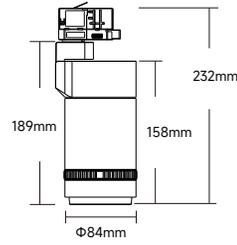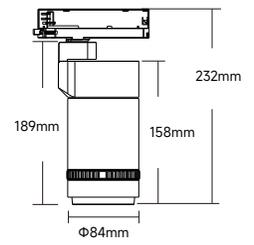
INSTALLATION

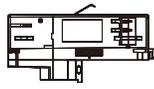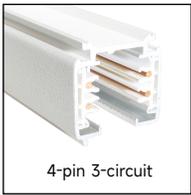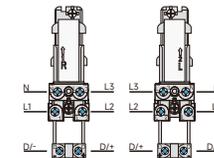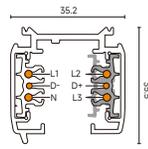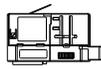Track-mounted

6-pin 3-circuit

DALI

35.2
35.5

L1
L2
D-
N
D+
L3

N   L3   L3   N
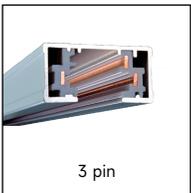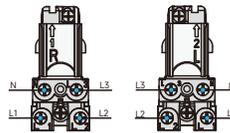L1   L2   L1
D/-   D/+   D/+   D/-
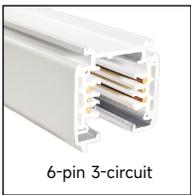
4-pin 3-circuit

Global

Standard

35.2
35.5

L2
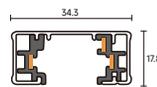L3
L1
N

N   L3   L3   N
L1   L2   L2   L1

3 pin

Halo

34.3
17.8
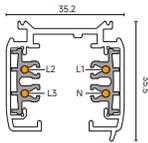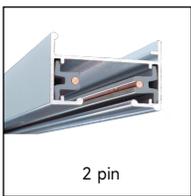
2 pin

Juno

Lightolier

Surface-mounted

TLO020-32
TLO025-32
TLO030-32

190mm
Φ84mm

Pendant

TLO020-33
TLO025-33
TLO030-33

Φ95mm
26mm
1250±50mm
190mm
Φ84mm

Wall-mounted

TLO020-34
TLO025-34
TLO030-34

26mm
158mm
Φ95mm
Φ84mm

EXCELLENT MODULAR COMBINATION CONCEPT

Track-Mounted Base

Surface-Mounted Base

Pendant-Mounted Base

Wall-Mounted Base

Zoomable Light Engine

Track-Mounted

Surface-Mounted

Pendant

Wall-Mounted
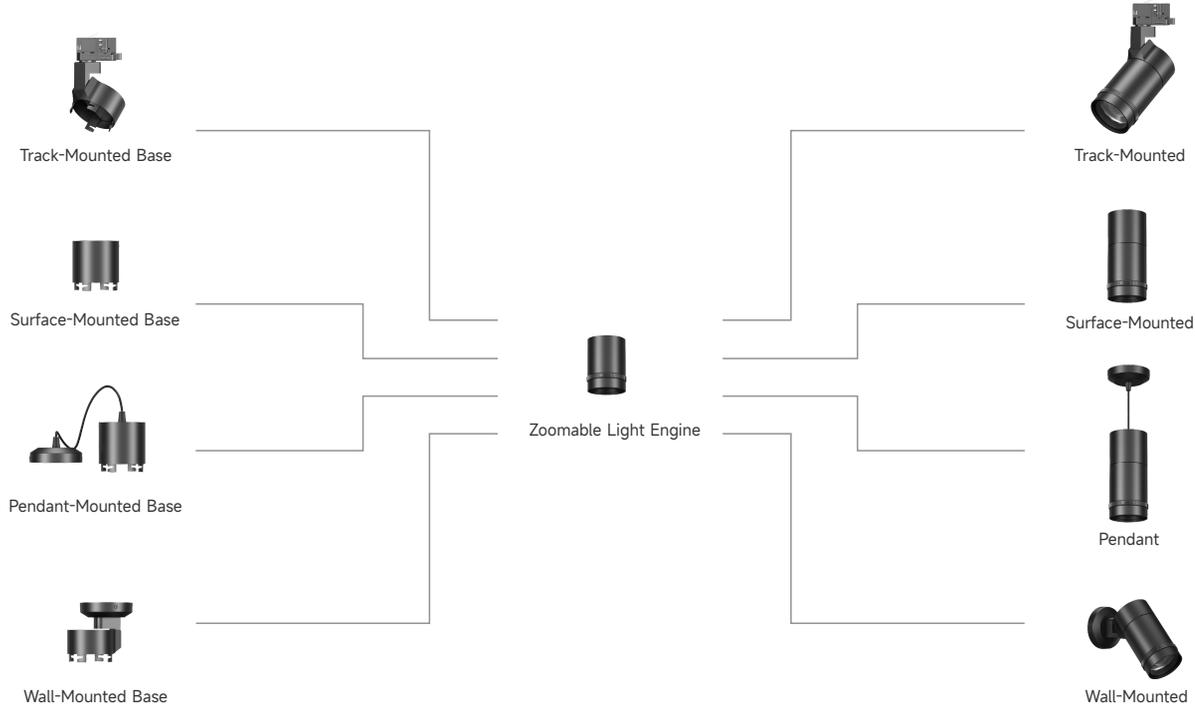
OVEGA TRACK LIGHT SYSTEM

UNLIMITED POSSIBILITIES with OVEGA family. Seven versions in excellent modular combination concept with similar appearances but different light solutions entitle OVEGA family will fit smoothly into any retails, museums and galleries environment.

In versions with different light solutions, OVEGA covers high performance accent lighting with very narrow beam 6°, different interchangeable beam lens & different optical accessories, flood lighting of exhibits, beam angle adjusting from narrow to wide, wall washing and projection.

Except versatile light solutions, OVEGA is also a complete family with different installation methods(track-mounted, pendant, surface-mounted and wall-mounted). So, if you have an environment where ask for different light solutions & different installation methods, OVEGA family will be a great choice to get a unified impression.

DETAILS

Scan to know more about product information