LEDTOUCH Tracklight L
Data Sheet

LEDTOUCH Tracklight L is a 22W LED tracklight luminaire for track lighting applications. With elegant mechanical appearance, high efficient optical design, long lifetime and easy installation features, it is an ideal replacement for a standard 100W halogen111 tracklight, 35W HID MR16 and PAR20 tracklight luminaires.

MAJOR BENEFIT

- **Energy Saving;**
- **Elegantly mechanical appearance with the white and black body color;**
- **Allows swiveling of up to 75° vertically and rotation of 355° horizontally;**
- **Flexibility with a choice of a 10°, 24°, 35° and 60°x20° beam angles;**
- **Available in warm white (2700K, 3000K), neutral white (4000K) and cold white (6500K);**
- **Long lifetime: 50,000 hours;**
- **Dimmable.**

APPLICATION

- **Areas of application:**
  - **Window Displays;**
  - **Selling Floor;**
  - **Promotion Area;**
  - **Shelving;**
  - **Wall;**
  - **Counters.**
- **Functionality:**
  - **Spot/accent lighting;**
  - **Vertical illumination;**
  - **Mood lighting.**

SPECIFICATION

Item	Parameter	LDTH TRA L P1/P3 WT/BK W4F-827-L10	LDTH TRA L P1/P3 WT/BK W4F-830-L10	LDTH TRA L P1/P3 WT/BK W4F-840-L10	LDTH TRA L P1/P3 WT/BK W4F-765-L10
Light Output*	Lumen (lm)	1400	1400	1500	1500
	Beam Angle	10°	10°	10°	10°
	Luminous intensity (cd)	22400	22400	24000	24000
	Power (W, including OT)	22W	22W	22W	22W
	Efficacy (lm/W)	65lm/W	65lm/W	70lm/W	70lm/W
	CCT (K)	2700K	3000K	4000K	6500K
	CRI	>82	>82	>82	>70
	Lifetime (T_a @ 25ºC)	50,000 hrs			
Electrical #	Input	220-240V ~			
	Dimming	5-100% (1-10V with integrated adjustable resistor)			
Mechanical	Dimension	Luminaire Light Source Diameter Φ97mm x Luminaire Height 240mm(track adapter excluded)			
	Mounting	Recessed. Swiveling up to 75° and rotation of 355°			
	Mounting hole	--			
	Track Mounting	Phase 1 / Phase 3			
	Optical Windows	PC cover, replaceable with 24°, 35° or 60°x20° anti-reflection coated PC lens			
	Weight	805g			
	Color of the luminaire [RAL]	White (RAL 9010) / Black (RAL9017)			
Temperature ##	Ambient (ºC)	-20 … 40ºC (T_a in free air)			
	Operation (ºC)	-20 … 70ºC (measure at T_c point)			
	Storage (ºC)	-30 … 80ºC			
Standard Compliance	CE	IEC 60598-1, IEC 60598-2-2, CE			
	Eye Safety	IEC 62471 (Eye-Security/CIE S009)			
	EMC immunity	IEC 61547			
	EMC radio disturbance	IEC 55015			
	Harmonics and Flickers	EN 61000-3-2 and IEC 61000-3-3			
	Protection Class	IP20, CLASS I			
	Protection against ignition and fire	F			
	Environment	RoHS			

*) Due to the special conditions of manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
#) Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.
##) Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.
The temperature of the LED module needs to be measured at the Tc-point according to EN60598-1 in a thermally constant status with a temperature sensor or a temperature sensitive label. For exact location of the Tc-point see drawings.

Item	Parameter	LDTH TRA L P1/P3 WT/BK W4F-9WW-L10	LDTH TRA L P1/P3 WT/BK W4F-9NW-L10
Light Output*	Lumen (lm)	1200	1200
	Beam Angle	10°	10°
	Luminous intensity (cd)	19200	19200
	Power (W, including OT)	22W	22W
	Efficacy (lm/W)	60lm/W	60lm/W
	CCT (K)	Warm white	Neutral white
	CRI	>90, R1~R15>90	>90, R1~R15>90
	Lifetime (T_a @ 25ºC)	50,000 hrs	
Electrical #	Input	220-240V ~	
	Dimming	5-100% (1-10V with integrated adjustable resistor)	
Mechanical	Dimension	Luminaire Light Source Diameter Φ97mm x Luminaire Height 240mm(track adapter excluded)	
	Mounting	Recessed. Swiveling up to 75° and rotation of 355°	
	Mounting hole	--	
	Track Mounting	Phase 1 / Phase 3	
	Optical Windows	PC cover, replaceable with 24°, 35° or 60°x20° anti-reflection coated PC lens	
	Weight	805g	
	Color of the luminaire [RAL]	White (RAL 9010) / Black (RAL9017)	
Temperature ##	Ambient (ºC)	-20 … 40ºC (T_a in free air)	
	Operation (ºC)	-20 … 70ºC (measure at T_c point)	
	Storage (ºC)	-30 … 80ºC	
Standard Compliance	CE	IEC 60598-1, IEC 60598-2-2, CE	
	Eye Safety	IEC 62471 (Eye-Security/CIE S009)	
	EMC immunity	IEC 61547	
	EMC radio disturbance	IEC 55015	
	Harmonics and Flickers	EN 61000-3-2 and IEC 61000-3-3	
	Protection Class	IP20, CLASS I	
	Protection against ignition and fire	F	
	Environment	RoHS	

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Light output under 24°/ 35°lens, which can be ord ered in case needed

Item	Parameter	827/830,L24	840/765,L24	827/830,L35	840/765,L35
Light Output*	Lumen (lm)	1400	1500	1400	1500
	Beam Angle	24°	24°	35°	35°
	Luminous intensity (cd)	7000	7500	3300	3500
	Power (W, including OT)	22W	22W	22W	22W
	Efficacy (lm/W)	65lm/W	70lm/W	65lm/W	70lm/W
	CCT (K)	2700/3000K	4000/6500K	2700/3000K	4000/6500K
	CRI	>82	>82 (4000K) >70 (6500K)	>82	>82 (4000K) >70 (6500K)

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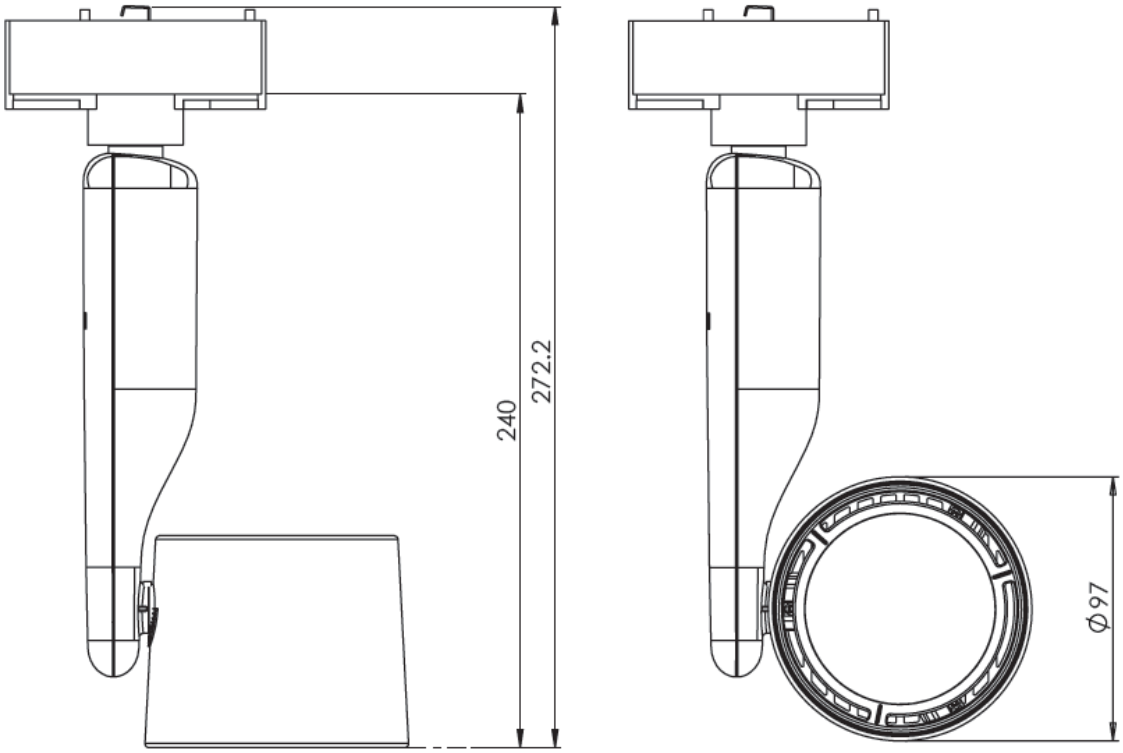
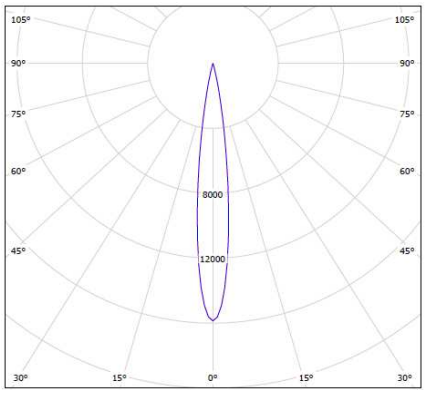
DRAWINGS

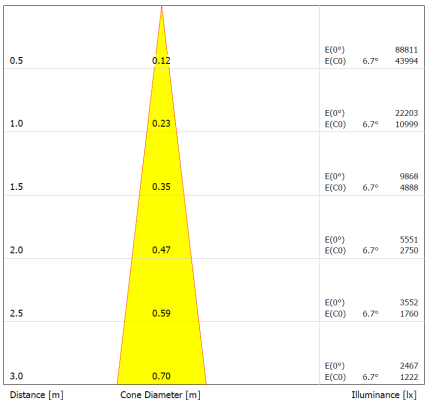


PHOTOMETRICS

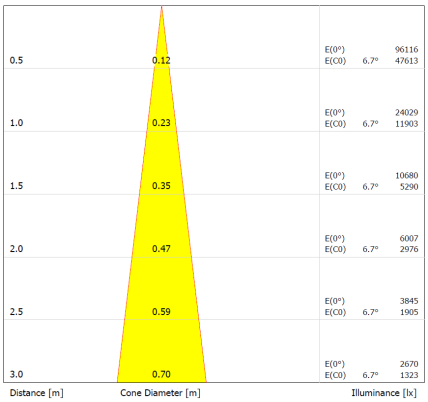
Polar Candela Distribution cd/klm (827/830/840/765-L10)



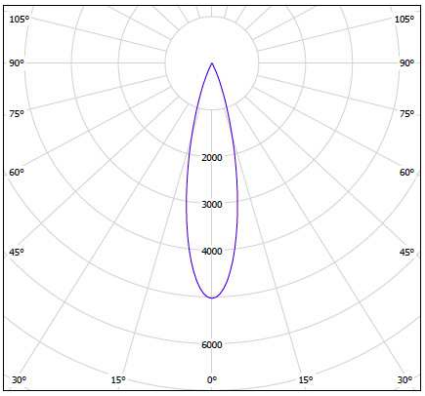
Distance Illuminance (827/830-L10)



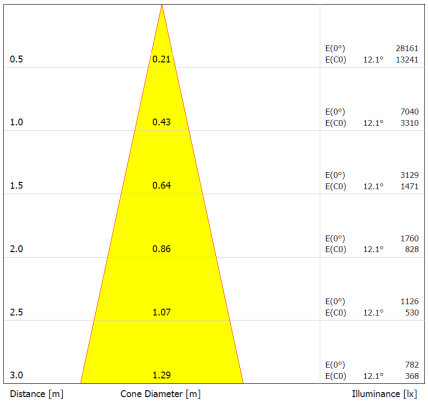
Distance Illuminance (840/765-L10)



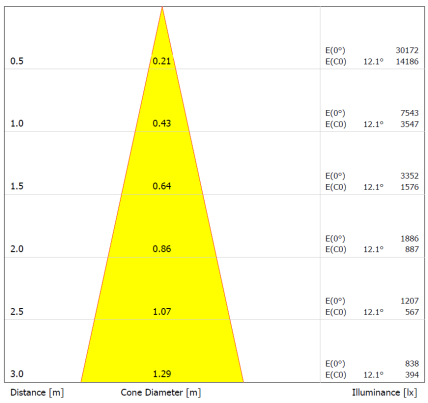
Polar Candela Distribution cd/klm (827/830/840/765-L24)



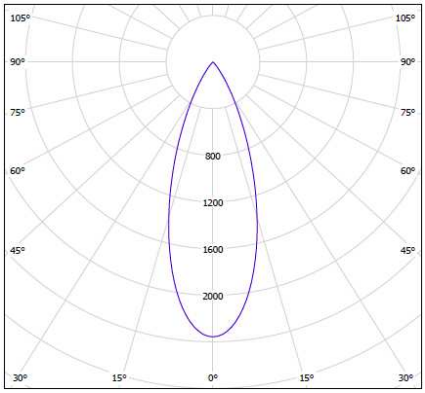
Distance Illuminance (827/830-L24)



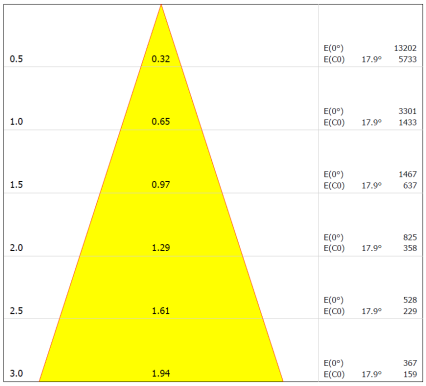
Distance Illuminance (840/765-L24)



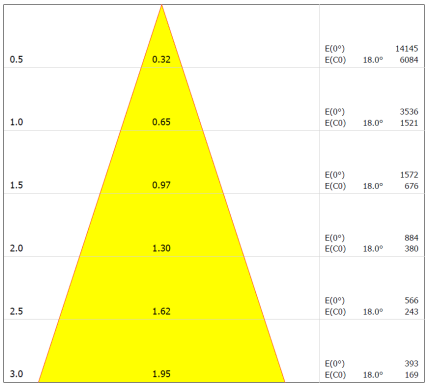
Polar Candela Distribution cd/klm (827/830/840/765-L35)



Distance Illuminance (827/830-L35)



Distance Illuminance (840/765-L35)



SAFETY INFORMATION

- The LED luminaire itself and all its components may not be mechanical stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED luminaire with (power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Damage by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- The design of the housing should be according to the IP standards in the application.

ORDERING CODE

Product Name	Product Code	Product Number	Piece pre Box
White body with Phase 1 track adapter			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 WT W4F-827-L10	4008321832597	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 WT W4F-830-L10	4008321832610	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 WT W4F-840-L10	4008321832634	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 WT W4F-765-L10	4008321832658	4x1
Black body with Phase 1 track adapter			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 BK W4F-827-L10	4008321832511	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 BK W4F-830-L10	4008321832535	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 BK W4F-840-L10	4008321832559	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 BK W4F-765-L10	4008321832573	4x1
White body with Phase 3 track adapter			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 WT W4F-827-L10	4008321833679	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 WT W4F-830-L10	4008321833730	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 WT W4F-840-L10	4008321833693	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 WT W4F-765-L10	4008321833716	4x1
Black body with Phase 3 track adapter			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 BK W4F-827-L10	4008321833594	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 BK W4F-830-L10	4008321833655	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 BK W4F-840-L10	4008321833617	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 BK W4F-765-L10	4008321833631	4x1
White body with Phase 3 track adapter, CRI>90			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 WT W4F-9WW-L10	4008321852830	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 WT W4F-9NW-L10	4008321852854	4x1
Black body with Phase 3 track adapter, CRI>90			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 BK W4F-9WW-L10	4008321852878	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P3 BK W4F-9NW-L10	4008321853011	4x1
White body with Phase 1 track adapter, CRI>90			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 WT W4F-9WW-L10	4008321852755	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 WT W4F-9NW-L10	4008321852779	4x1
Black body with Phase 1 track adapter, CRI>90			
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 BK W4F-9WW-L10	4008321852793	4x1
LEDTOUCH TRACKLIGHT L	LDTH TRA L P1 BK W4F-9NW-L10	4008321852816	4x1

Accessory Code

Product Name	Product Code	Product Number	Piece pre Box
LEDTOUCH TRACKLIGHT L	LDTH TRA L L24 LENS	4008321833556	5x4
LEDTOUCH TRACKLIGHT L	LDTH TRA L L35 LENS	4008321833570	5x4
LEDTOUCH TRACKLIGHT L	LDTH TRA L L60x20 LENS	4008321850256	5x4

SALES & TECHNICAL SUPPORT

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Sales and technical support is given by the local OSRAM subsidiaries. Complete subsidiaries listing is available at OSRAM homepage.

RELATED & FURTHER INFORMATION

- The new dimension of light 153 S006 GB
- OPTORONIC® data sheets http://catalog.myosram.com
- OPTORONIC® technical guide 130 T008 GB