



TRAC-MASTER®

Avant Garde

GYRUS™

T640 and T645

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

A new spin on an old idea, the Gyrus™ combines dramatic aerodynamic styling with the convenience of a front relamping gimbal ring. The MR16 has an integrated accessory holder that accepts standard up to two 2" diameter lenses and louvers. An optional snap-in, dual-media cartridge is available for the PAR30 that smartly integrates into the fixture design.

Aiming 90° vertical aiming capability and 358° rotation.

Construction Die-cast aluminum lamp housing • Extruded aluminum support stem conceals lamp lead wires.

Labels UL listed • CSA certified • Union made • Assembled in U.S.A.

Specifications subject to change without notice.



Low Voltage MR16 - Gyrus™

Lamp 12V, 50W maximum MR16 GU5.3/GX5.3 bi-pin.

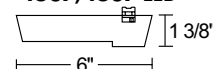
Socket Ceramic bi-pin.

Accessory Holder Integral to fixture design • Die cast aluminum construction • Accommodates up to two accessories simultaneously • Clear glass lens included with fixture.

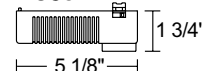
Construction Die-cast aluminum lamp housing • Extruded aluminum support stem conceals lamp lead wires.

Transformer Must be ordered separately • Compatible with T537 or T538 12V electronic transformer for halogen lamps (D1.2.1) • Compatible with T537 LED universal 12V electronic transformer for LED or halogen lamps (D1.2.1) • Compatible with T539 12V electronic transformer for halogen lamps (D1.2.0) • Compatible with T542 or T543 12V magnetic transformer for LED or halogen lamps (D1.2.0).

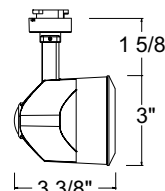
T537, T537 LED



T538



Catalog Number	Description	Finish	Lamp
T640 WH	Gyrus™	White	50W MR16 max.
T640 BL	Gyrus™	Black	50W MR16 max.
T640 SL	Gyrus™	Silver	50W MR16 max.



ACCESSORIES

Cat. No.	Description	Cat. No.	Description
HCLBL 200	Hexagonal Cell Louver - Black	UVF 200	UV Filter
SNOOTBL 200	Snoot - Black	DIFF 200	Diffusion Lens
EYEBROWBL 200	Eyebrow - Black	SOLITE 200	Uniformity Lens (Solite)
CGF 200	Color Glass Filters	PRISM 200	Prismatic Spread Lens
DGF 200	Dichroic Glass Filters	LSPREAD 200	Linear Spread Lens
DCCF 200	Dichroic Color Correction Filters	T58N ¹	Monopoint Canopy

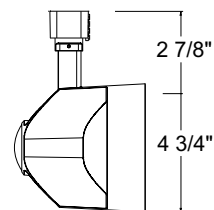
See specification sheet D1.2.2 for details. Other accessories can be found on specification sheet D1.2.0.

Notes:

1 Add finish code to complete catalog number (Example: T58N WH).

TRAC-MASTER®

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GYRUS™**T640 and T645****Line Voltage PAR30 - Gyrus™****Lamp** 120V, 75W maximum PAR30 medium base.**Socket** Medium base porcelain with nickel plated copper screw shell.**Construction** Die-cast aluminum lamp housing • Extruded aluminum support stem conceals lamp lead wires.**Juno Universal Trac Adapter** Universally compatible with both Trac-Master 1-circuit or 2-circuit trac, Trac-Lites trac, monopoints and special mountings • Also UL Recognized for use on ConTech® LT Series track • Copper alloy contacts provide precise spring action - no arcing and will not take a set • True, positive electrical ground • On/off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures trac light to trac • Two-position power contact provided for two-circuit application.**Alternate GTYPE Trac Adapter** Compatible with track systems based on GES type track, including Lithonia LT Commercial Track (not LTS type) • System specific and assembled to trac fixture • Consult factory for additional information.**Alternate HTYPE Trac Adapter** Compatible with track systems which use a H-type track adapter, including Lithonia LTS Decorative Track (not LT type) • System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.**Alternate LTYPE Trac Adapter** Compatible with track systems which use a L-type track adapter • System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

Catalog Number	Description	Finish	Lamp
T645 WH	Gyrus™ w/Universal Trac Adapter	White	75W PAR30 max.
T645 BL	Gyrus™ w/Universal Trac Adapter	Black	75W PAR30 max.
T645 SL	Gyrus™ w/Universal Trac Adapter	Silver	75W PAR30 max.
T645 GTYPE WH	Gyrus™ w/G-Type Trac Adapter	White	75W PAR30 max.
T645 GTYPE BL	Gyrus™ w/G-Type Trac Adapter	Black	75W PAR30 max.
T645 GTYPE SL	Gyrus™ w/G-Type Trac Adapter	Silver	75W PAR30 max.
T645 HTYPE WH	Gyrus™ w/H-Type Trac Adapter	White	75W PAR30 max.
T645 HTYPE BL	Gyrus™ w/H-Type Trac Adapter	Black	75W PAR30 max.
T645 HTYPE SL	Gyrus™ w/H-Type Trac Adapter	Silver	75W PAR30 max.
T645 LTYPE WH	Gyrus™ w/L-Type Trac Adapter	White	75W PAR30 max.
T645 LTYPE BL	Gyrus™ w/L-Type Trac Adapter	Black	75W PAR30 max.
T645 LTYPE SL	Gyrus™ w/L-Type Trac Adapter	Silver	75W PAR30 max.

Catalog Number	Description	Finish	Accessory
T645MCWH	Media Cartridge	White	Compatible with up to two 3 3/4" accessories as noted below
T645MCBL	Media Cartridge	Black	Compatible with up to two 3 3/4" accessories as noted below
T645MC SL	Media Cartridge	Silver	Compatible with up to two 3 3/4" accessories as noted below

ACCESSORIES

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
HCLBL 375¹	Hexagonal Cell Louver - Black	DCCF 375¹	Dichroic Color Correction Filters	LSPREAD 375¹	Linear Spread Lens
SNOOTBL 375¹	Snoot - Black	UVF 375¹	UV Filter	T577BL¹	Eyebrow - Black
EYEBROWBL 375¹	Eyebrow - Black	DIFF 375¹	Diffusion Lens	T40N²	Monopoint Canopy
CGF 375¹	Color Glass Filters	SOLITE 375¹	Uniformity Lens (Solite)		
DGF 375¹	Dichroic Glass Filters	PRISM 375¹	Prismatic Spread Lens		

See specification sheet [D1.2.2](#) for details. Other accessories can be found on specification sheet [D1.2.0](#).

Notes:

1 Use of light control accessories requires media cartridge (order separately).

2 Add finish code to complete catalog number (Example: T40N WH).

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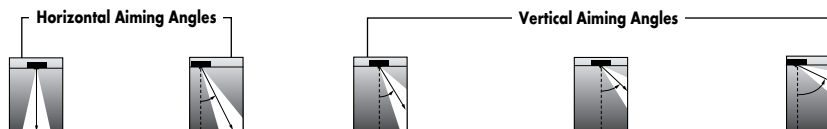
Avant Garde

GYRUS™

T640 and T645

PHOTOMETRICS

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)



Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0°		30°			30°				45°				60°							
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
Q35W MR16	SP	20°	5000	3900	4	244	1.4	1.4	158	1.9	1.6	2	122	3.5	3.1	1.4	345	2.0	1.5	1.0	4	158	2.3	1.9	1.6
					6	108	2.1	2.1	70	2.8	2.4	3	54	5.2	4.7	2.1	153	3.0	2.2	1.5	6	70	3.5	2.8	2.4
					8	61	2.8	2.8	40	3.8	3.3	4	31	6.9	6.2	2.8	86	4.0	2.9	2.0	8	40	4.6	3.8	3.3
					10	39	3.5	3.5	25	4.7	4.1	5	20	8.7	7.8	3.5	55	5.0	3.6	2.5	10	25	5.8	4.7	4.1
					12	27	4.2	4.2	18	5.7	4.9	6	14	10.4	9.3	4.2	38	6.0	4.4	3.0	12	18	6.9	5.7	4.9
Q50W MR16	NSP	15°	6000	9100	4	638	1.0	1.0	414	1.3	1.1	2	319	3.5	2.1	1.0	902	2.0	1.0	0.7	8	104	4.6	2.6	2.3
					6	283	1.5	1.5	184	2.0	1.7	3	142	5.2	3.1	1.5	401	3.0	1.5	1.0	10	66	5.8	3.3	2.8
					8	159	2.0	2.0	104	2.6	2.3	4	80	6.9	4.1	2.0	225	4.0	2.0	1.4	12	46	6.9	3.9	3.4
					10	102	2.5	2.5	66	3.3	2.8	5	51	8.7	5.1	2.5	144	5.0	2.5	1.7	14	34	8.1	4.6	4.0
					12	71	2.9	2.9	46	3.9	3.4	6	35	10.4	6.2	2.9	100	6.0	3.0	2.1	16	26	9.2	5.3	4.5
NFL	25°	6000	3200	4	213	1.9	1.9	138	2.6	2.2	2	106	3.5	4.6	1.9	301	2.0	2.0	1.4	4	138	2.3	2.6	2.2	
				6	94	2.9	2.9	61	3.9	3.3	3	47	5.2	7.0	2.9	134	3.0	3.1	2.0	6	61	3.5	3.9	3.3	
				8	53	3.8	3.8	35	5.2	4.4	4	27	6.9	9.3	3.8	75	4.0	4.1	2.7	8	35	4.6	5.2	4.4	
				10	34	4.8	4.8	22	6.5	5.5	5	17	8.7	11.6	4.8	48	5.0	5.1	3.4	10	22	5.8	6.5	5.5	
				12	24	5.8	5.8	15	7.8	6.7	6	12	10.4	13.9	5.8	33	6.0	6.1	4.1	12	15	6.9	7.8	6.7	
FL	40°	6000	1700	4	116	2.9	2.9	75	4.1	3.4	2	58	3.5	9.6	2.9	164	2.0	3.4	2.1	4	75	2.3	4.1	3.4	
				6	51	4.4	4.4	33	6.1	5.0	3	26	5.2	14.5	4.4	73	3.0	5.0	3.1	6	33	3.5	6.1	5.0	
				8	29	5.8	5.8	19	8.1	6.7	4	14	6.9	19.3	5.8	41	4.0	6.7	4.1	8	19	4.6	8.1	6.7	
				10	19	7.3	7.3	12	10.2	8.4	5	9	8.7	24.1	7.3	26	5.0	8.4	5.1	10	12	5.8	10.2	8.4	
				12	13	8.7	8.7	8	12.2	10.1	6	6	10.4	**	8.7	18	6.0	10.1	6.2	12	8	6.9	12.2	10.1	

Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0°		30°			30°				45°				60°								
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W	
75W PAR30 Halogen	SP	10°	2000	13000	6	361	0.9	0.9	235	1.3	1.1	3	181	5.2	1.9	0.9	511	3.0	0.9	0.7	8	132	4.6	1.7	1.5	
					8	203	1.3	1.3	132	1.7	1.5	4	102	6.9	2.6	1.3	287	4.0	1.3	0.9	10	84	5.8	2.1	1.8	
					10	130	1.6	1.6	84	2.1	1.8	5	65	8.7	3.2	1.6	184	5.0	1.6	1.1	12	59	6.9	2.5	2.2	
					13000	12	90	1.9	1.9	59	2.5	2.2	6	45	10.4	3.8	1.9	128	6.0	1.9	1.3	14	43	8.1	2.9	2.5
					13000	14	66	2.2	2.2	43	2.9	2.5	7	33	12.1	4.5	2.2	94	7.0	2.2	1.6	16	33	9.2	3.4	2.9
	FL	27°	2000	3100	6	86	2.9	2.9	56	3.9	3.3	3	43	5.2	7.0	2.9	122	3.0	3.1	2.0	4	126	2.3	2.6	2.2	
					8	48	3.8	3.8	31	5.2	4.4	4	24	6.9	9.3	3.8	69	4.0	4.1	2.7	6	56	3.5	3.9	3.3	
					3100	10	31	4.8	4.8	20	6.5	5.5	5	16	8.7	11.6	4.8	44	5.0	5.1	3.4	8	31	4.6	5.2	4.4
					3100	12	22	5.8	5.8	14	7.8	6.7	6	11	10.4	13.9	5.8	30	6.0	6.1	4.1	10	20	5.8	6.5	5.5
					3100	14	16	6.7	6.7	10	9.1	7.8	7	8	12.1	16.2	6.7	22	7.0	7.1	4.8	12	14	6.9	7.8	6.7
	FL	40°	2000	2000	6	56	4.0	4.0	36	5.6	4.6	3	28	5.2	12.1	4.0	79	3.0	4.5	2.8	4	81	2.3	3.7	3.1	
					2000	8	31	5.4	5.4	20	7.4	6.2	4	16	6.9	16.1	5.4	44	4.0	6.0	3.8	6	36	3.5	5.6	4.6
					2000	10	20	6.7	6.7	13	9.3	7.7	5	10	8.7	20.1	6.7	28	5.0	7.5	4.7	8	20	4.6	7.4	6.2
2000					12	14	8.0	8.0	9	11.1	9.3	6	7	10.4	24.1	8.0	20	6.0	9.0	5.7	10	13	5.8	9.3	7.7	
2000					14	10	9.4	9.4	7	13.0	10.8	7	5	12.1	**	9.4	14	7.0	10.5	6.6	12	9	6.9	11.1	9.3	

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination."

**Due to steep aiming angle, length of beam extends beyond 25'.